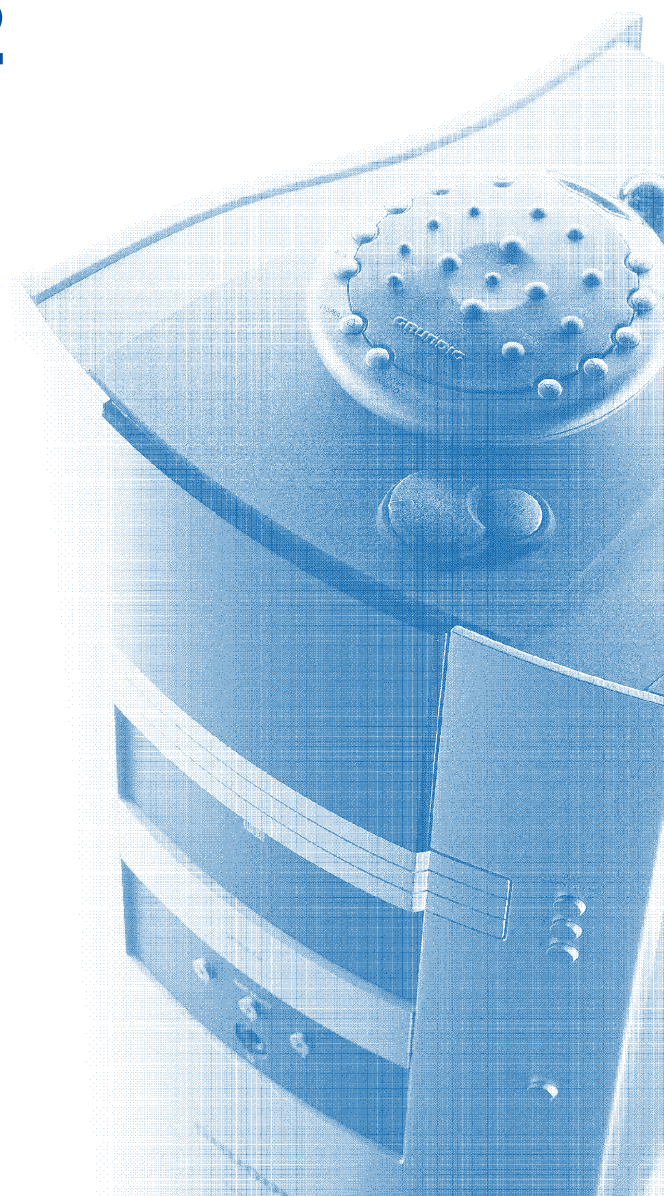




GRUNDIG

**TECHNICAL
ANNUAL
2002**



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Fax

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22113 Hamburg
e-mail: KDNord@grundig.com

*chargeable

We would be obliged for any tips and suggestions or criticism which we shall give our attention. Please send to fax number: **++49 9 11 - 7 03 19 05** or via e-mail to **doku.cs@grundig.com**

Grundig AG, D-90329 Nürnberg

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Technical Annual 2002

Dear Readers,

In order not to go beyond the limits of a booklet this issue contains as usual only the latest data and technical changes.

For information frequently repeated in the past few years please refer to the previous issues of the Grundig Technical Annual.

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Video Technology	3.1
Camcorder Technology	4.1
Satellite Reception	5.1
Audio Technology	6.1

Subject to alteration

Partners help each other

Please help us find hidden faults and return all modules with a brief description of the fault.

For this purpose, a fault tag or adhesive label is enclosed with all modules (insert cards) delivered by the GRUNDIG service organisation.

<p>○</p> <p>FÜR IHR RÜCKABETEIL FOR RETURNING FAULTY MODULES ALLEGARE AL PEZZO CHE VIENE RIMANDATO INDIETRO POUR RETOURNER AVEC LE MODULE DEFECTUEUX PARA DEVOLUCIÓN DE MÓDULOS AVERIADOS</p>	<p>Fehleranhänger für Module / Label tag for modules Cartellino dei difetti per i moduli / Fiche suivieuse pour module Etiqueta de avería para módulos</p> <p><input type="checkbox"/> Fehler tritt sofort auf / Fault occurs immediately / Il difetto compare subito Le défaut apparaît immédiatement / La avería aparece inmediatamente</p> <p><input type="checkbox"/> Fehler tritt nur zeitweise auf / Fault occurs intermittently / Il difetto compare solo a periodi / Le défaut est intermittent / La avería aparece intermitentemente</p> <p><input type="checkbox"/> Fehler tritt nach ca. Minuten aut Fault occurs after approx minutes Il difetto compare dopo ca. minuti Le défaut apparaît après environ minutes de fonctionnement La avería aparece tras minutos</p> <p><input type="checkbox"/> Wackelkontakt / intermittent contact / Contatto difettoso Mauvais contact intermittent / contacto intermitente</p> <p>Sonstige Fehlererscheinungen: / Other faults: / Altri difetti: Autres défauts: / Otras averías: _____</p> <p>_____</p> <p>_____</p>
--	---

<p>○</p>	<p>Bitte unterstützen Sie uns beim Auffinden versteckter Fehler: Versehen Sie alle Modul-Rückläufer mit vollständig ausgefüllten Fehleranhängern!</p> <p>Please help us to trace obscure faults: Ensure all modules are returned with label tag completed!</p> <p>Collaborate con noi nella ricerca deidifetti: corredate ogni modulo che rimandate indietro dei cartellino dei difetti compilato in tutti i suoi punti!</p> <p>Afin de nous permettre d'améliorer la Qualité de notre service, nous vous prions de nous renvoyer avec votre module, cette étiquette dûment renseignée. Merci pour votre collaboration.</p> <p>Ayúdenos a encontrar las averías ocultas: procuren que cada módulo devuelto vaya con su etiqueta de avería para módulos debidamente relienda!</p>
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To be better readable part numbers are shown with two spaces.
For ordering spare parts please indicate part numbers as **twelve-figure number** without spaces.

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Fax: (+61-2) 9759 6621

e-mail: **information:** office@grundig-australia.com
technique: support@grundig-australia.com
sales: sales@grundig-australia.com
<http://www.grundig-australia.com>

NEW ZEALAND

Sound Group Holdings Ltd.
Unit B / 3 Rothwell Ave.
Albany P.O. Box 302-106
North Harbour Post Centre
Auckland

Tel.: (+64-9) 415 6680
Fax: (+64-9) 415 6683
e-mail: bob@soundgroup.co.nz

GENERAL EXPORT AGENT

TEC Techno Export + Consulting GmbH
Großmooring 18
21079 Hamburg

Tel.: (+49-40) 766 9960
Fax: (+49-40) 766 99628
e-mail: TEC-Hamburg@t-online.de

GERMANY

Product Range and Customer Services: Automotive Test and Measuring Systems

Diagnostic and Information System

GIDIS (Grundig Diagnostic and Information System) for independent as well as proprietary auto workshops.

PC based system with

- SCAN Box to diagnose the electronic systems of vehicles including EOBD (European On Board Diagnostic)
- Oscilloscope and multimeter MSC 200 for vehicle repair
- Info Systems on CD-ROM with vehicle specific data and informations for service and repair
- asanetwork for integration in existing commercial EDP systems e.g. the order acceptance, invoicing, spare parts management, etc.
- Expandable with exhaust gas test equipment to get a complete test station for vehicles (diagnostic and test of a car's emissions).

Exhaust Gas Test Equipment

- Modular conception for the legally required compulsory annual test of a car's emissions
- Suitable for petrol and diesel vehicles
- Alternatively with and without PC
- Automatic measurement, zero compensation and altitude correction
- Equipped for the new EOBD (European On Board Diagnostic) guidelines
- Integration according to ASA network
- Expandable with diagnostic system to get a complete exhaust gas test and diagnostic station

RPM Measurement

- DAB 5000 C/ DAB 5100 C for RPM measuring via the on-board power supply
- RPM measuring especially for engines with soundproofing, Common Rail Systems, pump-jet-injection (Pumpe-Düse) systems
- Connection to cigarette lighter
- Adapter cable to connect to all common exhaust gas tester, for all trademarks

OEM- Supplier

- Supplier of diagnostic and exhaust gas test measurement to the VW, Audi, Seat and Skoda organisations

Service

- 24-h fixed price exchange service
- Maintenance contracts with permanent guarantee
- Spare parts delivery
- Training
- Calibrating service also for third-party products and communication test equipment
- Hotline

Grundig AG, Geschäftsbereich Instruments, Test- und Mess-Systeme
 Würzburger Str. 150, D-90766 Fürth, Tel.: (++49-911) 703-4540, Fax: (++49-911) 703-4130
 eMail: instruments@grundig.com, Internet: <http://www.grundig-instruments.de>



Automotive Measuring Instruments

Manager Automotive Measuring Instruments

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Test- und Mess-Systeme
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Fax: (+49-911) 703 4 112
e-mail: reinhold.schuster@grundig.com

Sales Manager Export - Automotive Measuring Instruments

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Geschäftsbereich Instruments
Test- und Mess-Systeme
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Würzburger Str. 150
D-90766 Fürth
Tel.: (+49-911) 703 4334
Fax: (+49-911) 703 4 130
e-mail: ruediger.diehn@grundig.com

Service Training Courses for our Customers

We train you in intensive courses in the GRUNDIG Central Customer Service division in Nuremberg as well as in one-day regional training courses.

We deal with all current questions on product technology in the fields of television, satellite reception, video and digital audio.

Our rooms are furnished for theoretical and hands-on training of 24 participants. Monitors are used to display measured values true to the detail and special measuring and adjustment procedures of the products the participants are to be trained on.

The suitable and modern equipment of measuring instruments makes it possible for the trainees to turn the theoretical knowledge gained directly into practical experience.



For detailed information on these courses please see the service training booklet which is available on request from your competent GRUNDIG contact partner, via Internet on our homepage www.grundig.de -> Produkte -> Händlerservice -> Service Schulungsprogramm 2002, or via "Infotip" button "Info" -> Service Schulungen 2002. There you also will find an enrolment form.

For inquiries do not hesitate to contact Mrs Lastinger Tel.: (0911) 703-8455

Fax-No.: (0911) 703-7732

We ask for your understanding that we can consider only applications in writing.

Selbststudium mit Service Training - Manuals

The following training manuals can be ordered for private study against payment of a fee:

TV Engineering Service Training	Part No. D	Part No. GB
CUC 6360/6365/7300	72010 350 0000	-
Digi IV/ 100Hz Technique	72010 350 0500	-
Pal+ System Principles	72010 350 1000	-
Digi Basic	72010 350 1500	72010 350 1600
Digi Basic ++	72010 350 1700	72010 350 1800
Digi 6 / CUC 1842	72010 350 3000	72010 350 3100
CUC 2000/2010/2030/2050	72010 350 3500	72010 350 3600
Digi Basic 3	72010 350 3700	72010 350 3750
Planatron 2	72010 350 3800	72010 350 3900
Digi 100	72010 350 2100	72010 350 2200
CUC 2100/21xx	72010 350 3200	72010 350 3300

Video Engineering Service Training	Part No. D	Part No. GB
GV 400 and variants	72010 525 1000	-
GV 500 and variants	72010 525 1500	-
GV 540/560 HiFi and variants	72010 525 2000	-
HSD Drive Mechanism	72010 525 2500	-
GV 640 and variants	72010 528 9000	72010 528 9100
GV 670-690	72010 528 9300	-
GV 900/940	72010 536 1500	-
GV 7000	72010 531 4000	72010 531 4100
GV 29..., GV 9000..., GV 9300..., GV 94...	72010 537 8000	-
GV 3000/5000/60xx	72010 537 1900	-
Principles of Digital-Video DV	72010 532 3500	-
MPEG Principles Digital-Video	72010 537 9000	-

Audio/HiFi Engineering: Service Training	Part No. D	Part No. GB
Principles of Audio Engineering	72010 749 5000	-
FM Tuner T11 / T1000	72010 749 5500	-
CD Player CD11 / CD12	72010 749 6000	-
DAB Principles	72010 749 6500	-

Video Training Film

Training film: High-speed Video Drive Mechanism HSDPart No.:72007 744 8100
 Dismantling and re-assembling the drive mechanism • replacement of wearing parts • replacement of the headwheel and the CTL head • adjustment of the tape transport path, tracking position and head gap position indicator • length approx. 30 minutes.

GRUNDIG

ISDN - InfoTip®

The common
Service Communication System in the
Entertainment Electronics Industry

GRUNDIG and members of the industrial association of entertainment electronics within the ZVEI (Central Association of the Electrotechnical Industry) offer the specialised dealers

"ISDN-InfoTip®"

as a future-orientated communication system.

Further information and quotation of prices are obtainable from:

InfoTip® Service GmbH • Marketing und Vertrieb
Postfach 510 213 • 44874 Bochum
Tel.: (0180) 567 30 42/43 (0,12€/min.) • Fax (0234) 941 10 02
e-mail: infotip@t-online.de or info@infotip.de
www.infotip.de

Grundig Universal Remote Controls



TV Control 1 Part No.: 72011 601 0000

replaces the following types:

Type	Code
TP Easy	102
TP 621	101
TP 622	101
TC 622	101
RC 622	101
TP 623	102
TP 661	103
RC 661	103
TP 661 Top	104
RC 661 Top	104
TP 661 Fasttext	104
TP 663	105
TP 911	103
TP 911 Top	104

and variants

Programming:
Press the Standby and OK buttons simultaneously. Release the buttons and enter the 3-digit code.



TV Control 2
Part No.: 72011 602 0000

replaces the following types:

Type	Code
TVP 1	122
TVP 2	123
TP 15	117
TP 85	113
TP 200	113
TP 300	113
TP 300 Text	113
TP 310	113
TP 360	113
TP 370	113
TP 380	113
TP 390	115
TP 400	113
TP 500 Antiope	114
TP 500 AT Antares	113
TP 500	113
TP 590 VT	115
TP 600	115
TP 610	116
TP 611	116
RC 611	116
TP 630	116
TP 650	116
TC 650	116
TP 660	116
TC 660	116
TP 660 Top/Fast	119

and variants

Programming:
 Press the Standby and OK buttons simultaneously. Release the buttons and enter the 3-digit code.



Video Control 1 Part No.: 72011 610 0000

replaces the following types:

Type	Code
RP 4	205
RP 6	201
RC 6	201
RP 50	205
VP 386	202
VP 615	206
RC 615	206

and variants

Programming:
Press the Standby and OK buttons simultaneously. Release the buttons and enter the 3-digit code.



SAT Control 1
Part No.: 72011 620 0000

replaces the following types

Type	Code
TP DSR	302
RC SAT	301
RC 200 SAT	301
RC 201	301
RC 212	301
RC 300	301

and variants

Programming:
 Press the Standby and OK buttons simultaneously. Release the buttons and enter the 3-digit code.



Telepilot 807 C
Part No.: 29642 061 1700

replaces the following types:

Type

TP 720
TP 760
TP 770

and variants

No programming needed!



Video Control LCD
Part No.: 72011 615 0000

replaces the following types:

Type	Code
RP 5 LCD	1
RP 6 LCD	1
RP 13 LCD	2
RP 20 LCD	3
RP 25 LCD	4
RP 30 LCD	5
RP 33 LCD	6
RP 35 LCD	6
RC 60 LCD	7
RP 65 LCD	1
RP 70 LCD	1
RC 70 LCD	1
RC 75 LCD	7
RP 75 LCD	7
RP 85 LCD	8
RP 90 LCD	7
RP 95 LCD	7
RP 130 LCD	2

and variants

Programming:
 Insert battery -> SEL in display -> enter the code and confirm with OK.

The handling of the remote controls not mentioned before remains unchanged.

We recommend our dealers to build up appropriate stocks of these six types for immediate customer support in the case of repairs.

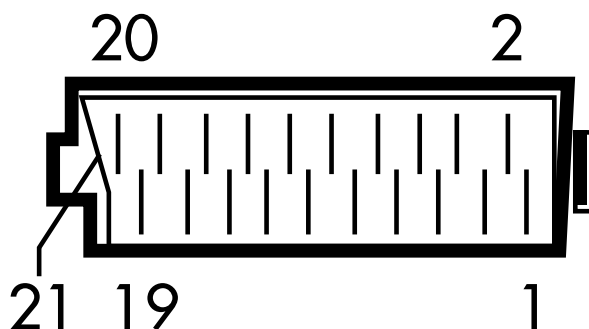
The remote controls are offered in a pleasing sales packing with all operating and coding information printed on it.

Pinning of Sockets and Plugs

Pinning of the EURO-AV Socket

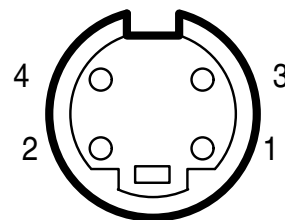
The following table helps you to establish a standard connection of your television receiver to additional equipment on request (e.g. computer, amplifier).

Pin		Signal
1	=	Audio output right
2	=	Audio input right
3	=	Audio output left
4	=	Audio ground
5	=	Blue ground
6	=	Audio input left
7	=	RGB Blue input, chroma input/output with SVHS
8	=	Switching voltage 6V (16:9), 12V (4:3)
9	=	Green ground
10	=	Data lead MEGALOGIC
11	=	RGB Green input
12	=	Data
13	=	Red ground
14	=	Ground
15	=	RGB Red input, chroma input/output with SVHS
16	=	RGB switching voltage (1V Fastblanking)
17	=	Video ground
18	=	RGB switching voltage ground
19	=	CCVS output
20	=	CCVS / Y input
21	=	Shielding/ground



Pinning of Hosiden Socket (S-Video)

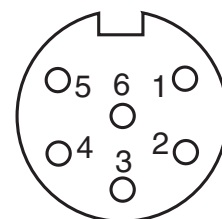
Pin		Signal
1	=	Ground
2	=	Ground
3	=	Y-signal
4	=	Chroma signal



Top View

Pinning of DIN-AV Socket

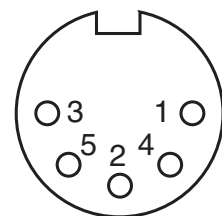
Pin		Signal
1	=	Switching voltage on playback
2	=	CCVS signal
3	=	Ground
4	=	Audio left
5	=	Operating voltage for video adapter
6	=	Audio right



Top View

Pinning of DIN-Audio Socket

Pin		Signal
1	=	Record left and mono
2	=	Ground
3	=	Playback left and mono
4	=	Record left
5	=	Playback right



Top View

Pinning of Jack Plug

Pin		Signal
1	=	Ground
2	=	AF right
3	=	AF left



Pinning of ISO Standard Connector Blocks for Car Radios

I: Additional block (for Grundig products only)

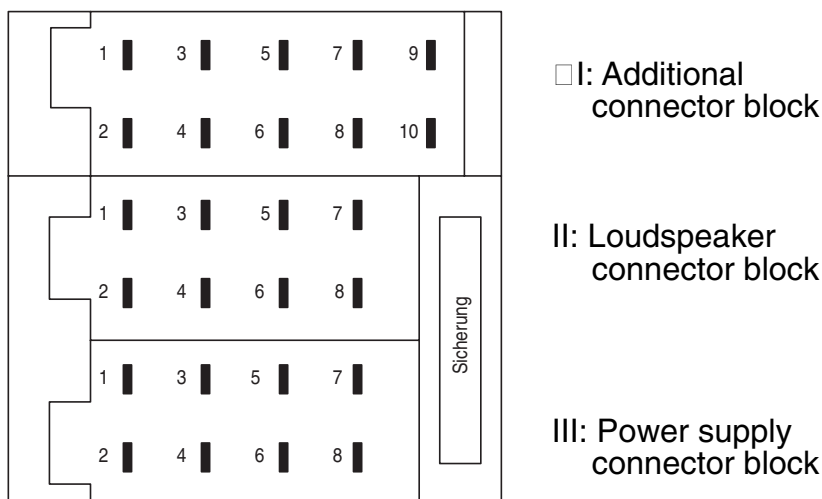
Pin	=	Signal
1	=	TXD
2	=	RXD
3	=	+A CD changer
4	=	+U CDchanger
5	=	GND
6	=	GND
7	=	Line out FR
8	=	Line out RR
9	=	Line out FL
10	=	Line out RL

II: Loudspeaker connector block

Pin	=	Signal
1	=	RR+
2	=	RR-
3	=	FR+
4	=	FR-
5	=	FL+
6	=	FL-
7	=	RL+
8	=	RL-

III: Power supply connector block

Pin	=	Signal
1	=	SCV
2	=	Telephone mute
3	=	not used
4	=	Ignition (contact 15)
5	=	Automatic aerial
6	=	Illumination
7	=	+14V (contact 30)
8	=	GND



Pinning of ISO Standard Connector Blocks for Car Radios

I: Additional connector (for Grundig products only)

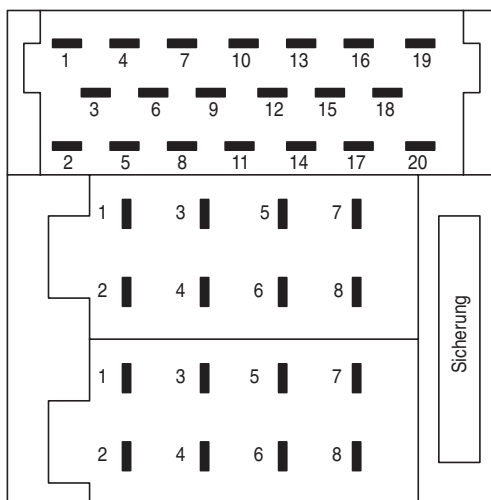
Pin	Signal
1	= Line out RL
2	= Line out RR
3	= Line out GND
4	= Line out FL
5	= Line out FR
6	= +Booster
7	= RXD
8	= TXD
9	= GND
10	= Subwoofer NF
11	= Aux IN
12	= Aux GND
13	= CD-bus
14	= not used
15	= CD-bus GND
16	= +A CD changer
17	= +U CD changer
18	= CD-NF GND
19	= CD-NF left
20	= CD-NF right

II: Loudspeaker connector block

Pin	Signal
1	= RR+
2	= RR-
3	= FR+
4	= FR-
5	= FL+
6	= FL-
7	= RL+
8	= RL-

III: Power supply connector block

Pin	Signal
1	= SCV
2	= Telephone mute
3	= not used
4	= Ignition (contact 15)
5	= Automatic aerial
6	= Illumination
7	= +14V (contact 30)
8	= GND



□ I: Additional connector block

□ II: Loudspeaker connector block

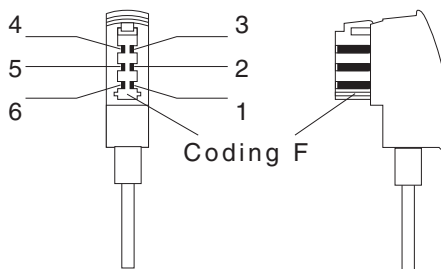
□ III: Power supply connector block

Top View

**TAE-plug (F-coded)
with integrated Western socket**

Standardized contact configuration
(TAE-plug)

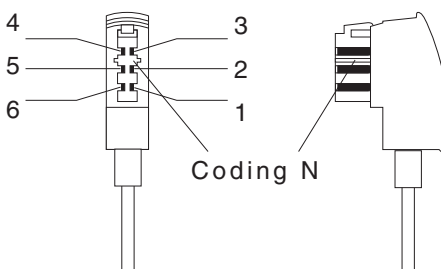
- 1 --> A 4 --> E
 - 2 --> B 5 --> NC
 - 3 --> W2 6 --> NC
- (NC = not connected)



**TAE-plug (N-coded)
with integrated Western socket**

Standardized contact configuration
(TAE-plug)

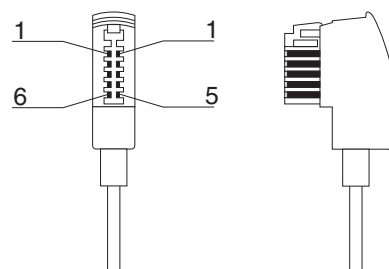
- 1 --> A 4 --> E
- 2 --> B 5 --> B1
- 3 --> W2 6 --> A1



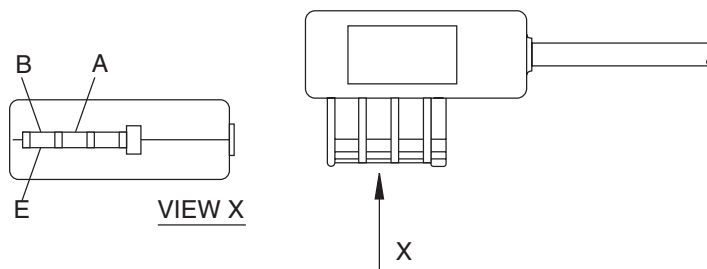
Connecting plug for Austrian variant

Contact configuration

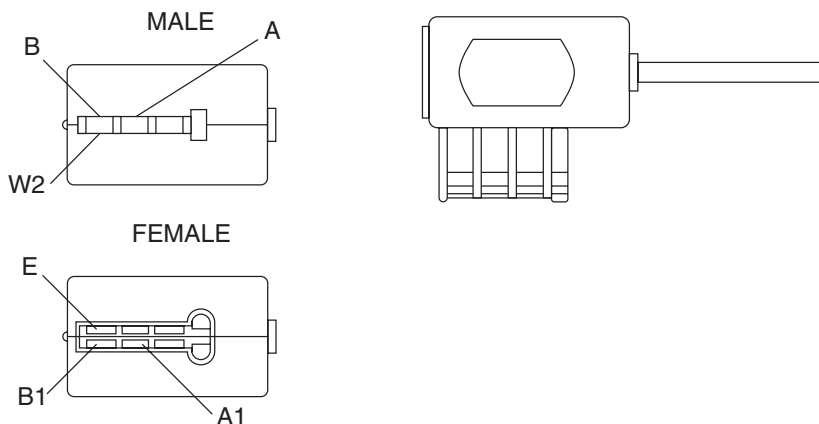
- 1 --> A 6 --> B1
 - 2 --> E 7 --> NC
 - 3 --> W2 8 --> NC
 - 4 --> NC 9 --> NC
 - 5 --> B 10 --> A1
- (NC = not connected)



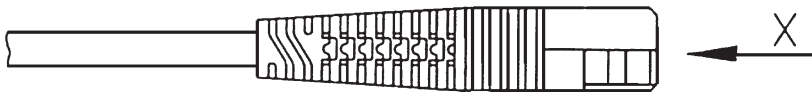
Connecting plug for French variant 1



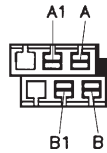
Connecting plug for French variant 2



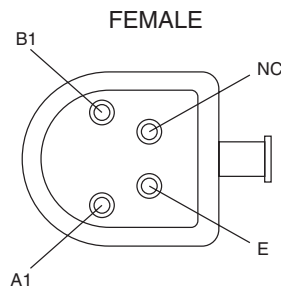
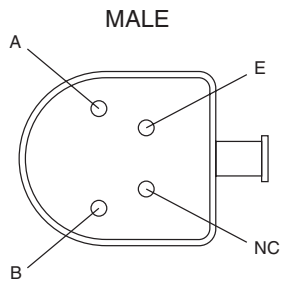
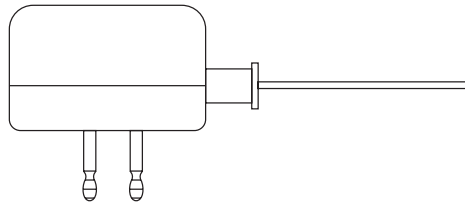
Connecting plug for Swiss variant



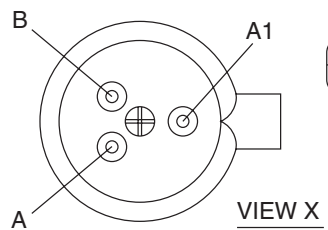
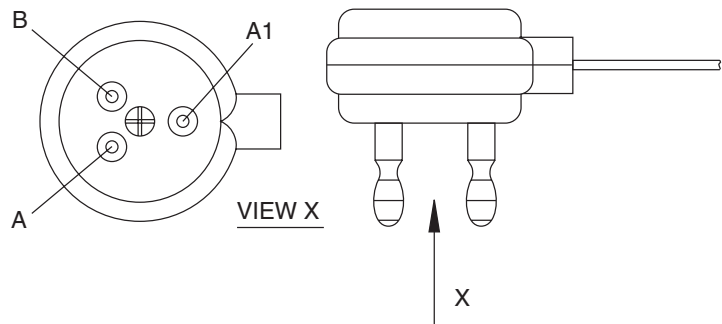
VIEW X



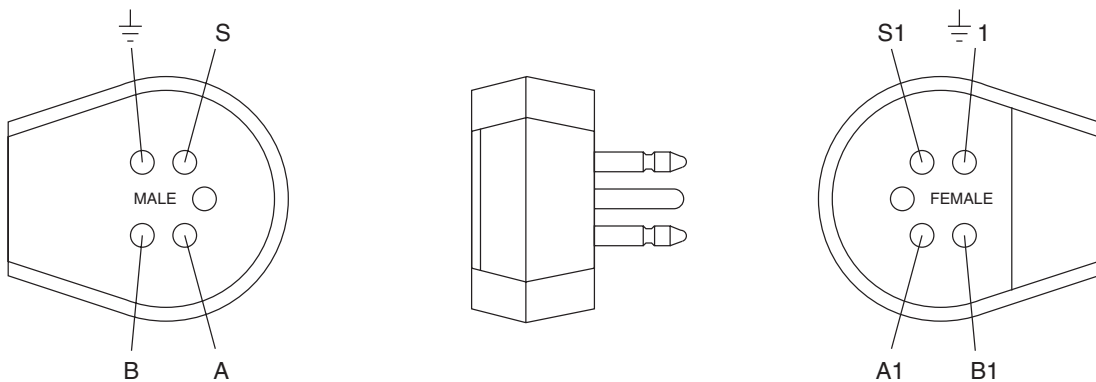
Connecting plug for Dutch variant



Connecting plug for Italian variant



Connecting plug for Belgian Variant



Partners help each other

Please help us find hidden faults and return all modules with a brief description of the fault.

For this purpose, a fault tag or adhesive label is enclosed with all modules (insert cards) delivered by the GRUNDIG service organisation.

<p>○</p> <p>FÜR IHR RÜCKABETEIL FOR RETURNING FAULTY MODULES ALLEGARE AL PEZZO CHE VIENE RIMANDATO INDIETRO POUR RETOURNER AVEC LE MODULE DEFECTUEUX PARA DEVOLUCIÓN DE MÓDULOS AVERIADOS</p>	<p>Fehleranhänger für Module / Label tag for modules Cartellino dei difetti per i moduli / Fiche suivieuse pour module Etiqueta de avería para módulos</p> <p><input type="checkbox"/> Fehler tritt sofort auf / Fault occurs immediately / Il difetto compare subito Le défaut apparaît immédiatement / La avería aparece inmediatamente</p> <p><input type="checkbox"/> Fehler tritt nur zeitweise auf / Fault occurs intermittently / Il difetto compare solo a periodi / Le défaut est intermittent / La avería aparece intermitentemente</p> <p><input type="checkbox"/> Fehler tritt nach ca. Minuten auf Fault occurs after approx. minutes Il difetto compare dopo ca. minuti Le défaut apparaît après environ minutes de fonctionnement La avería aparece tras minutos</p> <p><input type="checkbox"/> Wackelkontakt / intermittent contact / Contatto difettoso Mauvais contact intermittent / contacto intermitente</p> <p>Sonstige Fehlererscheinungen: / Other faults: / Altri difetti: Autres défauts: / Otras averías: _____</p> <p>_____</p> <p>_____</p>
--	---

<p>○</p>	<p>Bitte unterstützen Sie uns beim Auffinden versteckter Fehler: Versehen Sie alle Modul-Rückläufer mit vollständig ausgefüllten Fehleranhängern!</p> <p>Please help us to trace obscure faults: Ensure all modules are returned with label tag completed!</p> <p>Collaborate con noi nella ricerca deidifetti: corredate ogni modulo che rimandate indietro dei cartellino dei difetti compilato in tutti i suoi punti!</p> <p>Afin de nous permettre d'améliorer la Qualité de notre service, nous vous prions de nous renvoyer avec votre module, cette étiquette dûment renseignée. Merci pour votre collaboration.</p> <p>Ayúdenos a encontrar las averías ocultas: procuren que cada módulo devuelto vaya con su etiqueta de avería para módulos debidamente relienda!</p>
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To be better readable part numbers are shown with two spaces.
 For ordering spare parts please indicate part numbers as **twelve-figure number** without spaces.

Frequencies and Standards

Allocation of Frequencies

151 - 285 kHz	2001 - 1050 m	Long Wave
536 - 1605 kHz	560 - 189 m	Medium Wave
5,95 - 26,1 MHz	50 - 11,5 m	Short Wave
41 - 68 MHz	Channel Width 7 MHz	VHF-TV Band I
87,5 - 108 MHz	Channel Width 100 kHz	VHF-UKW Band II
174 - 223 MHz	Channel Width 7 MHz	VHF-TV Band III
470 - 606 MHz	Channel Width 8 MHz	UHF-TV Band IV
606 - 854 MHz	Channel Width 8 MHz	UHF-TV Band V

General Television Standards

Standard	Lines	Channel Width in MHz	Video Band-width in MHz	Vision/Sound Spacing in MHz	Residual Side-band in MHz	Colour Sub-carrier in MHz (PAL)	Vision Modulation	Sound Modulation
A	405	5	3	-3,5	0,75	-	Pos	AM
B	625	7	5	+ 5,5	0,75	4,43	Neg	FM
C	625	7	5	+ 5,5	0,75	4,43	Pos	AM
D	625	8	6	+ 6,5	0,75	-	Neg	FM
E	819	14	10	+ 11,15	2	-	Pos	AM
F	819	7	5	+ 5,5	0,75	-	Pos	AM
G	625	8	5	+ 5,5	0,75	4,43	Neg	FM
H	625	8	5	+ 5,5	1,25	4,43	Neg	FM
I	625	8	5,5	+ 6,0	1,25	4,43	Neg	FM
K	625	8	6	+ 6,5	0,75	4,43	Neg	FM
K'	625	8	6	+ 6,5	1,25	4,43	Neg	FM
L	625	8	6	+ 6,5	1,25	4,43	Pos	AM
M	525	6	4,2	+ 4,5	0,75	3,576 *)	Neg	FM
N	625	6	4,2	+ 4,5	0,75	3,582	Neg	FM

50 Hz field frequency, 60 Hz only Standard M *) NTSC = 3.579 MHz

Band IV/V - European and African Standards

(only 625 lines, channel bandwidth 8 MHz)

Standard	Video Band-width MHz	Vision/Sound Spacing MHz	Residual Side-band MHz	Vision Modulation	Sound Modulation MHz	Colour Sub-carrier	Picture/Sound Radio
G	5	5,5	0,75	Neg	FM	4,43	5:1
H	5	5,5	1,25	Neg	FM	4,43	5:1
I	5,5	6	1,25	Neg	FM	4,43	5:1
K	6	6,5	0,75	Neg	FM	4,43	5:1
L	6	6,5	1,25	Pos	AM	4,43	8:1

Satellite Bands

Designation	Frequency Range GHz
C-Band	3,6-4,2
Ku-Bands	10,7-12,75

Standards and Channels

Standard A

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
Ch 1	45,0	41,5	Ch 7	184,75	181,25
Ch 2	51,75	48,25	Ch 8	189,75	186,25
Ch 3	56,75	53,25	Ch 9	194,75	191,25
Ch 4	61,75	58,25	Ch 10	199,75	196,25
Ch 5	66,75	63,25	Ch 11	204,75	201,25
Ch 6	179,75	176,25	Ch 12	209,75	206,25

Standard B/C/F/G

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
Band I			Ch 37	599,25	604,75
Ch 1	46,25	51,75	Ch 38	607,25	612,75
Ch 2	48,25	53,75	Ch 39	615,25	620,75
Ch 3	55,25	60,75	Ch 40	623,25	628,75
Ch 4	62,25	67,75	Ch 41	631,25	636,75
Band III			Ch 42	639,25	644,75
Ch 5	175,25	180,75	Ch 43	647,25	652,75
Ch 6	182,25	187,75	Ch 44	655,25	660,75
Ch 7	189,25	194,75	Ch 45	663,25	668,75
Ch 8	196,25	201,75	Ch 46	671,25	676,75
Ch 9	203,25	208,75	Ch 47	679,25	684,75
Ch 10	210,25	215,75	Ch 48	687,25	692,75
Ch 11	217,25	222,75	Ch 49	695,25	700,75
Ch 12	224,25	229,75	Ch 50	703,25	708,75
Band IV/V acc. to Standard H			Ch 51	711,25	716,75
Ch 21	471,25	476,75	Ch 52	719,25	724,75
Ch 22	479,25	484,75	Ch 53	727,25	732,75
Ch 23	487,25	492,75	Ch 54	735,25	740,75
Ch 24	495,25	500,75	Ch 55	743,25	748,75
Ch 25	503,25	508,75	Ch 56	751,25	756,75
Ch 26	511,25	516,75	Ch 57	759,25	764,75
Ch 27	519,25	524,75	Ch 58	767,25	772,75
Ch 28	527,25	532,75	Ch 59	775,25	780,75
Ch 29	535,25	540,75	Ch 60	783,25	788,75
Ch 30	543,25	548,75	Ch 61	791,25	796,75
Ch 31	551,25	556,75	Ch 62	799,25	804,75
Ch 32	559,25	564,75	Ch 63	807,25	812,75
Ch 33	567,25	572,75	Ch 64	815,25	820,75
Ch 34	575,25	580,75	Ch 65	823,25	828,75
Ch 35	583,25	588,75	Ch 66	831,25	836,75
Ch 36	591,25	596,75	Ch 67	839,25	844,75
			Ch 68	847,25	852,75
			Ch 69	855,25	860,75

Standard D *)

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
Ch 1	49,75	56,25	Ch 7	183,25	189,75
Ch 2	59,25	65,75	Ch 8	191,25	197,75
Ch 3	77,25	83,75	Ch 9	199,25	205,75
Ch 4	85,25	91,75	Ch 10	207,25	213,75
Ch 5	93,25	99,75	Ch 11	215,25	221,75
Ch 6	175,25	181,75	Ch 12	223,25	229,75

*) UHF channels and vision carriers like Standard B, vision to sound carrier spacing + 6,5 MHz each

Standard E

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
Ch 2	52,4	41,25	Ch 8	185,25	174,1
Ch 4	65,55	54,4	Ch 8A	186,55	175,4
Ch 5	164	175,15	Ch 9	190,3	201,45
Ch 6	173,4	162,25	Ch 10	199,7	188,55
Ch 7	177,15	188,3	Ch 11	203,45	214,6
			Ch 12	212,85	201,7

Standard I

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
A	45,75	51,75			
B	53,75	59,75			
C	61,75	67,75	Ch 21	Band IV/V 471,25	477,25
D	175,25	181,25	Ch 22		479,25	485,25
E	183,25	189,25			
F	191,25	197,25		up to *	
G	199,25	205,25			
H	207,25	213,25	Ch 67	839,25	845,25
I	215,25	221,25	Ch 68	847,25	853,25

*Channel allocation and vision carriers like Standard B. Vision to sound carrier spacing + 6 MHz each.

Standard K' (French overseas territories)

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
Ch 4	175,25	181,75	Ch 7	199,25	205,75
Ch 5	183,25	189,75	Ch 8	207,25	213,75
Ch 6	191,25	197,75	Ch 9	215,25	221,75

Standard M/N

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
Ch 1	-	-	Ch 8	181,25	185,75
Ch 2	55,25	59,75	Ch 9	187,25	191,75
Ch 3	61,25	65,75	Ch 10	193,25	197,75
Ch 4	67,25	71,75	Ch 11	199,25	203,75
Ch 5	77,25	81,75	Ch 12	205,25	209,75
Ch 6	83,25	87,75	Ch 13	211,25	215,75
Ch 7	175,25	179,75	Ch 14	471,25	475,75
			Ch 83	continually up to 885,25	889,75

Channel Allocation - Italy (otherwise Standard B)

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
A	53,75	59,25	E	183,25	189,75
B	62,25	67,75	F	192,25	197,75
C	82,25	87,75	G	201,25	206,75
D	175,25	180,75	H	210,25	215,75
			H 1	217,25	222,75

Channel Allocation - Morocco (otherwise Standard B)

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
M 4	163,25	168,75	M 8	195,25	200,75
M 5	171,25	176,75	M 9	203,25	208,75
M 6	179,25	184,75	M 10	211,25	216,75
M 7	187,25	192,75			

Channel Allocation - Australia (otherwise B)

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
Ch 0	46,25	51,75	Ch 6	175,25	180,75
Ch 1	57,25	62,75	Ch 7	182,25	187,75
Ch 2	64,25	69,75	Ch 8	189,25	194,75
Ch 3	86,25	91,75	Ch 9	196,25	201,75
Ch 4	95,25	100,75	Ch 10	209,25	214,75
Ch 5	102,25	107,75	Ch 11	216,25	221,75
Ch 5A	138,25	143,75			

Channel Allocation - New Zealand (otherwise Standard B)

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
Ch 1	45,25	50,75	Ch 6	189,25	194,75
Ch 2	55,25	60,75	Ch 7	196,25	201,75
Ch 3	62,25	67,75	Ch 8	203,25	208,75
Ch 4	175,25	180,75	Ch 9	210,25	215,75
Ch 5	182,25	187,75			

Channel Allocation - Japan (otherwise Standard M)

	Picture MHz	Sound MHz		Picture MHz	Sound MHz
Ch 1	91,25	95,75	Ch 10	205,25	209,75
Ch 2	97,25	101,75	Ch 11	211,25	215,75
Ch 3	103,25	107,75	Ch 12	217,25	221,75
Ch 4	171,25	175,75			
Ch 5	177,25	181,75	Ch 33	591,25	595,75
Ch 6	183,25	187,75			
Ch 7	189,25	193,75			
Ch 8	193,25	197,75			
Ch 9	199,25	203,75	Ch 62	765,25	769,75

Television Standards of the World (as far as known to us)

with indication of the mains voltage and mains frequency

Country	b/w	Colour	Mains Voltage Volt	Mains Frequency Hz
Afghanistan	B	PAL	220	50
Albania	B/G	PAL	220	50
Algeria	B/H	PAL	127-220	50
Andorra	B/G	PAL	220	50
Angola	I	PAL	220	50
Antigua and Barbuda	M	NTSC	230	50
Argentina	N 1)	PAL-N	220	50
Armenia	D/K	SECAM (B/Z)	220	50
Australia	B/G	PAL	240	50
Austria	B/G	PAL	220	50
Azerbaijan	D/K	SECAM (B/Z)	220	50
Azores (Portugal)	B	PAL	220	50
Bahamas	M	NTSC	120	60
Bahrain	B	PAL	230	50-60
Bangladesh	B	PAL	220-230	50
Barbados	M	NTSC	110-220	50
Belarus	D/K	SECAM (B/Z)	220	50
Belgium	B/G	PAL	220	50
Belize	M	NTSC	110-220	60
Benin	K´	SECAM	220	50
Bermuda (Großbritannien)	M	NTSC	115-120	60
Bhutan			220	50
Bolivia	N	NTSC	115-230	50-60
Bosnia and Herzegovina	B,H	PAL	220	50
Botswana	I 1)	PAL	220	50
Brazil	M	PAL-M	220	60
Brunei Darussalam	B	PAL	230	50
Bulgaria	D	SECAM	220	50
Burkina Faso	K´	SECAM	220	50
Burundi	K1	SECAM	220	50
Cambodia	B/G	PAL	120-220	50
Cameroon	B/G	PAL	127-220	50
Canada	M	NTSC	120	60
Canary Islands (Spain)	B	PAL	127-220	50
Cape Verde			220	50
Central African Republic	K	SECAM	220	50
Chile	M	NTSC	220	50
China	D	PAL	220	50
CIS States (former)	D/K	SECAM (B/Z)	127-220	50
Colombia	M	NTSC	120	60
Comoros			220	50
Congo, Democratic Republic of	K´	SECAM	220	50
congo, Republic of the	K´	SECAM	220	50
Costa Rica	M	NTSC	120	60
Côte d'Ivoire	K´	SECAM (B)	220	50
Croatia	B/G	PAL	220	50
Cuba	M	NTSC	115-120	60
Cyprus	B/G	SECAM (Z) + PAL	240	50
Czech Republic	D/K	PAL/SECAM	220	50
Denmark	B/G	PAL	220	50
Djibouti	K´	SECAM	220	50
Dominica	M	NTSC	230	50
Dominican Republic	M	NTSC	110	60
Ecuador	M	NTSC	110-220	60
Egypt	B/H	SECAM	110-220	50

1) Channels are differing! (B) = Field identification (Z) = Line identification

Country	b/w	Colour	Mains Voltage Volt	Mains Frequency Hz
El Salvador	M	NTSC	115	60
Equatorial Guinea	B	PAL	220	50
Eritrea	B	PAL	220	50
Estonia	D/K	SECAM (B/Z)	220	50
Ethiopia	B/G	PAL	220	50
Fiji	B	PAL	240	50
Finland	B/G	PAL	230	50
France	E/L	SECAM (Z)	220	50
Gabon	K'	SECAM	220	50
Gambia			220	50
Georgia	D/K	SECAM (B/Z)	220	50
Germany	B/G	PAL	230	50
Ghana	B	PAL	220	50
Gibraltar (United Kingdom)	B/H	PAL	240	50
Greece	B/H	PAL	220	50
Greenland (Denmark)	M	NTSC	220	50
Grenada	M	NTSC		
Guadeloupe (France)	K'	SECAM	220	50
Guatemala	M	NTSC	110-220	60
Guinea Rep.	K'	SECAM	220	50
Guinea-Bissau			220	50
Guyana (franc.)	K'	SECAM	220	50
Haiti	M	NTSC	110-220	50-60
Hawaii (US)	M	NTSC	120	60
Holy See (Vatican City)			220,127	50
Honduras	M	NTSC	110-220	60
Hong Kong (China)	I	PAL	220	50
Iceland	B	PAL	220	50
India	B	PAL	220	50
Indonesia	B	PAL	220	50
Iran	H	SECAM	220	50
Iraq	B	SECAM (Z)	220	50
Ireland (Rep.)	I	PAL	220	50
Israel	B/G	PAL	230	50
Italy	B/G	PAL	127-220	50
Jamaica	N	SECAM	220	50
Japan	M 1)	NTSC	100-200	50/60
Jordan	B	PAL	220	50
Kazakhstan	D/K	SECAM (B/Z)	220	50
Kenya	B	PAL	240	50
Kiribati			240	50
Korea (North)	D	SECAM	100-200	50
Korea (South)	M	NTSC	220	60
Kuwait	B/G	PAL	240	50
Kyrgyzstan	D/K	SECAM (B/Z)	220	50
Laos	M	PAL	127-220	50
Latvia	D/K	SECAM (B/Z)	220	50
Lebanon	B	SECAM (Z)	110-220	50
Lesotho	I	PAL	220	50
Liberia	B	PAL	120	60
Libya	B/H	SECAM (Z)	127-230	50
Liechtenstein			220	50
Lithuania	D/K	SECAM (B/Z)	220	50
Luxembourg	B/G	PAL	120-220	50
Macedonia, The former Yugoslav Rep. of	B,H	PAL	220	50

1) Channels are differing! (B) = Field identification (Z) = Line identification

Country	b/w	Colour	Mains Voltage Volt	Mains Frequency Hz
Madagascar	B	SECAM	127-220	50
Madeira (Portugal)	B	PAL	220	50
Malawi	B,G	PAL	230	50
Malaysia	B	PAL	240	50
Maldives	B	PAL	230	50
Mali	K	SECAM	220	50
Malta	B/G	PAL	240	50
Marshall Islands	M	NTSC	110	60
Martinique (France)	K'	SECAM (B)	220	50
Mauritania	K'	SECAM	220	50
Mauritius	B	SECAM	230	50
Mexico	M	NTSC	120	60
Micronesia, Federated States of	M	NTSC	110	60
Moldova	D/K	SECAM (B/Z)	220	50
Monaco	L/G	PAL/SECAM (B/Z)	127-220	50
Mongolia	D	SECAM (B/Z)	220	50
Morocco	B	SECAM (B)	115-230	50
Mozambique	B	PAL	220	50
Myanmar	M	NTSC	220	50
Namibia	I	PAL	230	50
Nauru			220	50
Nepal	B	PAL	220	50
Netherlands	B/G	PAL	220	50
Netherlands Antilles (Netherlands)	M	NTSC	115-223	50-60
New Caledonia (France)	K'	SECAM	220	50
New Zealand	B1)	PAL	240	50
Nicaragua	M	NTSC	120	60
Niger	K'	PAL	220	50
Nigeria	B/I	PAL	230	50
Norway	B/G	PAL	230	50
Oman	B/G	PAL	220	50
Pakistan	B	PAL	220-230	50
Palau	M	NTSC	110,115	60
Panama	M	NTSC	120	60
Papua New Guinea	B,G	PAL	240	50
Paraguay	N	PAL	220	50
Peru	M	NTSC	220	60
Philippines	M	NTSC	220	60
Poland	D/K	PAL	220	50
Portugal	B/G	PAL	220	50
Puerto-Rico (US)	M	NTSC	120	60
Qatar	B	PAL	240	50
Romania	G	PAL	220	50
Russia	D/K	SECAM (B/Z)	220	50
Rwanda	K'	PAL/SECAM	220	50
Salomon Islands				
Samoa	M	NTSC	230	50
San Marino			127	50
São Tomé und Príncipe			220	50
Saudi Arabia	B	SECAM (Z)	220	50-60
Senegal	K'	SECAM	127-220	50
Seychelles	B	PAL	240	50
Sierra Leone	B	PAL	220	50
Singapore	B	PAL	230	50
Slovakia	D/K	PAL	220	50
Slovenia	B/G	PAL	220	50
Somalia	B/G	PAL	110-230	50

Country	b/w	Colour	Mains Voltage Volt	Mains Frequency Hz
South Africa	I1)	PAL	230	50
Spain	B/G	PAL	127-220	50
Sri Lanka	B/G	PAL	220	50
St. Kitts and Nevis				
St. Lucia				
St. Pierre and Miquelon (France)	K'I	SECAM		
St. Vincent and the Grenadines				
Sudan	B	PAL	240	50
Suriname	M	NTSC	110-127	60
Swaziland	B/G	PAL	230	50
Sweden	B/G	PAL	220	50
Switzerland	B/G	PAL	220	50
Syria	B	PAL	115-220	50
Tahiti (France)	K'	SECAM	120-240	60
Taiwan	M	NTSC	120	60
Tajikistan	D/K	SECAM (B/Z)	220	50
Tanzania	B	PAL	230	50
Thailand	B	PAL	220	50
Togo	K'	SECAM	127-220	50
Tonga			240	50
Trinidad and Tobago	M	NTSC	115-230	60
Tschad	K'	SECAM	220	50
Tunisia	B	SECAM	127-220	50
Turkey	B	PAL	220	50
Turkmenistan	D/K	SECAM (B/Z)	220	50
Tuvalu			240	50
Uganda	B/G	PAL	240	50
Ukraine	D,K	SECAM	220	50
Ungary	D/K + B/G	PAL	220	50
United Arab. Emirates	B/G	PAL	220-240	50
United Kingdom	A/I	PAL	210-240	50
United States	M	NTSC	110	60
Uruguay	N	PAL	220	50
Uzbekistan	D/K	SECAM (B/Z)	220	50
Vanuatu				
Venezuela	M	NTSC	120	60
Vergin Islands (US)	M	NTSC	120	60
Vietnam	D/M	NTSC/SECAM	120-230	50
Yemen	B	PAL	220	50
Yugoslavia (former)	B	PAL	220	50
Zambia	B	PAL	220	50
Zanzibar (Tanzania)	I	PAL	230	50
Zimbabwe	B/G	PAL	220	50

1) Channels are differing! (B) = Field identification (Z) = Line identification

Notes:

1. For countries where several mains voltage levels are applicable because of regional differences, the lowest and highest value is given.
2. Two mains frequencies are stated for countries where two frequencies are possible.



Important for the Selection of Special Channels with non-directly indicating Colour TVs and VCRs with Frequency Synthesizer and Cable Tuner

All German-language transmitters (Federal Republic of Germany, Austria) are directly indicated with their channel numbers. Exceptions may exist for transmitters which are converted into other frequency ranges by converters (e.g. reception by cable). The table given below shows the allocation of the channel numbers to special channels of public cable television systems.

Channel No. Indication	Special Channel	Vision Carrier Frequency (MHz)	Band
81	S 1	105,25	Lower Special Channel Band "USB"
82	S 2	112,25	
83	S 3	119,25	
84	S 4	126,25	
85	S 5	133,25	
86	S 6	140,25	
87	S 7	147,25	
88	S 8	154,25	
89	S 9	161,25	
90	S 10	168,25	
91	S 11	231,25	Upper Special Channel Band "OSB"
92	S 12	238,25	
93	S 13	245,25	
94	S 14	252,25	
95	S 15	259,25	
96	S 16	266,25	
97	S 17	273,25	
98	S 18	280,25	
99	S 19	287,25	
00	S 20	294,25	
74		69,25	Special Channel Band Belgium
75		76,25	
76		83,25	
77		90,25	
78		97,25	
79		59,25	OIRT Channels
80		93,25	

Hyperband in Germany

GRUNDIG television receivers fitted with the Tuner 29504 101 0100/0600 can receive the Hyperband channels S21 - S25 only by means of a hyperband converter. This converter can be obtained from:

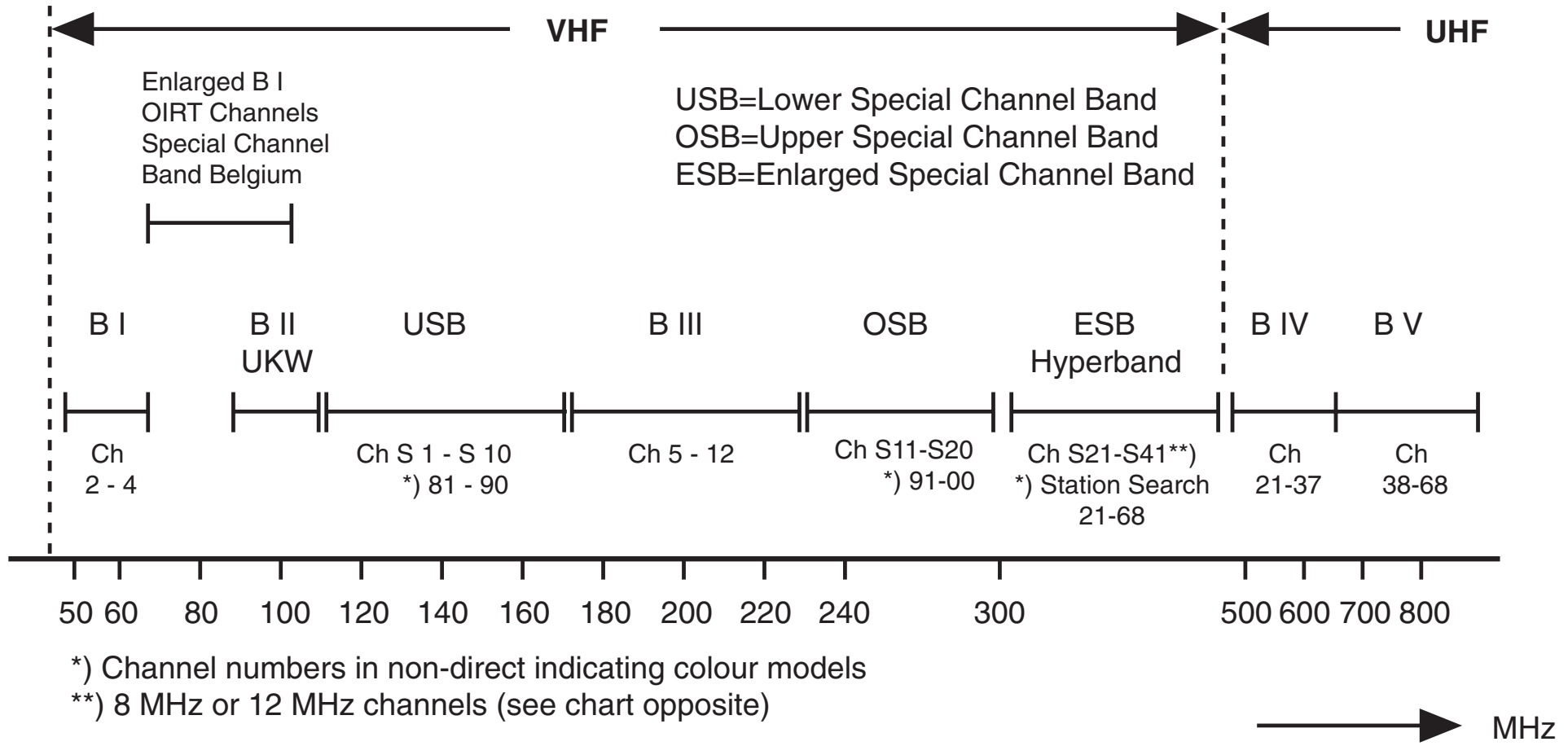
Elektronik Thoma GmbH, Friedhofweg 5, D-91599 Dentlein,
Tel. ++49 9855/9777-0 FAX 09855/977720

Special Channel	8 MHz Channels		12 MHz Channels	Band
	Vision Carrier (MHz)	Sound Carrier(MHz)	Carrier	
S 21	303,25	308,75	303,25	Extended Special Channel Band "ESB"
S 22	311,25	316,75	315,25	
S 23	319,25	324,75	327,25	
S 24	327,25	332,75	339,25	
S 25	335,25	340,75	351,25	
S 26	343,25	348,75	363,25	
S 27	351,25	356,75	375,25	
S 28	359,25	364,75	387,25	
S 29	367,25	372,75	399,25	
S 30	375,25	380,75	411,25	
S 31	383,25	388,75	423,25	
S 32	391,25	396,75	435,25	
S 33	399,25	404,75	447,25	
S 34	407,25	412,75	459,25	
S 35	415,25	420,75		
S 36	423,25	428,75		
S 37	431,25	436,75		
S 38	439,25	444,75		
S 39	447,25	452,75		
S 40	455,25	460,75		
S 41	463,25	468,75		

Subject to alterations!



Channel Overview



Handling of the Sets Chart

- Look for your set in the Sets Chart (from page 2.15 on).
- In the left column you can find the different modules.
- In the chart you can find a code number for the module you want to identify.
- On pages 2.13 and 2.14 then you can find the corresponding part number of the module.

Example:

- The set
- ARGANTO 70 FLAT MFW70-530/9 DPL contains a
- Mains Switch Board 14 -> 29305 165 9100, a
- Mains Unit Standby (see Different Modules) with Code number 22 -> 29304 050 8200 and is retrofittable with a
- PIP Module PIP5 (Order No. G.AE 2000).

Table with columns: Gerät, CUC, and various module types like Abstimmbaustein, Bedieneinheit, etc. Includes a circled entry for ARGANTO 70 FLAT MFW70-530/9 DPL (VNM).

Bausteinkodierung für Geräteübersicht. Table listing module codes and descriptions such as Abstimmbaustein, Bedieneinheit, Duesenplatte, etc.

Table listing module codes and descriptions such as Tuner, Verschiedene, nachrüstbar, Fernbedingungen, etc.

Module Coding for the Sets Chart (from Page 17 on)

Control Units

04	29501 082 1300
09	29501 082 5900
10	29501 082 6100
11	29501 082 6200
12	29501 082 7000
13	29501 082 7600
14	29501 082 7900
15	29501 082 8100
16	29501 082 8200
17	29501 082 8800
18	29501 085 0100
19	29501 085 0200
20	29501 085 0400
21	29501 085 0800
22	29501 085 1200
23	29501 085 0700
24	29501 082 7500
25	29501 082 8300
26	29501 085 1800
27	29501 085 1600
28	29501 085 3600
29	29501 085 1300
30	29501 085 1900
31	29501 085 2200
32	29501 085 2500
33	29501 085 3200
34	29501 085 1400
35	29501 085 2900
36	29501 085 4500
37	29501 085 4000
38	29501 085 4200
39	29501 085 4400
40	29501 085 5600
41	29501 085 5900
42	29501 085 6000
43	29501 085 4300
44	29501 085 5100
45	29501 085 3400
46	29501 085 3900
47	29501 085 5800

Socket Boards

03	29305 008 3600
04	29305 008 3700
05	29305 008 3800
06	29305 008 4000
07	29305 008 4100
08	29305 008 8300
12	29305 160 3400
13	29305 160 6000
14	29305 160 6300
15	29305 160 5400
16	29305 160 5300
17	29305 008 4300
18	29305 008 4400
19	29305 160 3700
20	29305 008 4600
21	29305 008 4800
22	29305 008 4500
23	29305 008 5000
24	29305 008 5100
25	29305 160 3800
26	29305 160 6600
27	29305 160 5400
28	29305 160 3900

CRT Panels

04	29305 022 1400
05	29305 022 1500
06	29305 022 1600
07	29305 022 1700
08	29305 022 1900
09	29305 022 2000
20	29305 022 8700
21	29305 022 8800
22	29305 022 9000
26	29305 122 0400
27	29305 122 0500
29	29305 122 0700
30	29305 122 1000
33	29305 122 1400
34	29305 122 1500
35	29305 122 1600
36	29305 122 1700
37	29305 122 1800
38	29305 122 1900
39	29305 122 2000
40	29305 122 2100
41	29305 122 2300
42	29305 122 2400
43	29305 122 2500
44	29305 122 2600
45	29305 122 2800
46	29305 122 3000
47	29305 022 1800
48	29305 122 2900
49	29305 122 3100
50	29305 122 3400
51	29305 122 3600
52	29305 122 3800
53	29305 122 3300
54	29305 122 3500
55	29305 122 3700
56	29305 122 4000
57	29305 122 3900
58	29305 122 3200
59	29305 122 4100
60	29305 122 4500
61	29305 122 4300
62	29305 122 4600

Dyn. Focus.

02	29305 025 3600
03	29305 025 3700
04	29305 025 3800
05	29305 025 4000
06	29305 025 4200
07	29305 025 4300
08	29305 025 4400
09	29305 025 4500
10	29305 025 4700
11	29305 025 4900
12	29305 025 4800

EPG Boards

01	29305 129 0300
02	29305 129 1100
03	29305 129 0900

Feature Boxes

04	29504 103 3700
05	29504 103 3800
06	29504 103 3900
07	29504 103 4100
08	29504 103 4200
09	29504 103 4400
10	29504 209 0100
11	29504 209 0200
12	29504 209 0300
13	29504 209 0500
14	29504 209 0400
15	29504 209 1300
16	29504 209 1500
17	29504 209 0900
18	29504 203 2100
19	29504 203 2200
20	29504 203 4200
21	29504 203 4100
22	29504 203 2300
23	29504 203 4300
24	29504 203 4500
25	29504 203 2800
26	29504 203 4600
27	29504 203 2500

Keyboards

01	29501 081 8500
03	29501 083 0200
04	29501 083 0400
05	29501 083 2400
06	29501 083 2500
07	29501 083 2500
08	29501 083 4400
09	29501 083 7000
10	29501 083 8000
11	29501 083 8200
12	29501 083 8300
13	29501 084 0700
14	29501 084 0500
15	29501 084 0800
16	29501 084 0400

Mains Switch Boards

01	29305 165 1900
02	29305 165 6400
03	29305 165 6800
04	29305 165 7100
05	29305 165 7300
06	29305 165 7600
07	29305 165 8100
08	29305 165 8200
09	29305 165 8300
10	29305 165 8400
11	29305 165 7500
12	29305 165 8700
13	29305 165 9000
14	29305 165 9100
15	29305 165 9200
16	29305 165 7700
17	29501 087 0300
18	29501 087 0800
19	29501 087 0900
20	29501 087 1200
21	29305 087 0500
22	29501 087 1000
23	29501 087 1600
24	29501 087 1700
25	29501 087 2000
26	29501 087 2100
27	29501 087 1100

AF Modules

01	29504 102 8100
02	29504 102 8200
06	29504 104 4100
07	29504 104 4200
08	29504 104 4300
17	29504 104 7500
18	29504 104 7700
19	29504 104 8100
20	29504 104 8200
21	29504 104 8300
22	29504 104 8400
23	29504 104 8500
24	29504 204 0100
25	29504 204 0300
26	29504 204 0400
27	29504 204 0500
28	29504 204 0600
29	29504 102 8300
30	29504 102 8400
31	29504 204 1300
32	29504 204 1400
33	29504 204 1500
34	29504 204 1600

East/West Boards

08	29504 207 5100
09	29504 207 5200
10	29504 207 5500
11	29504 207 5700
12	29504 107 5800
13	29504 207 5900
14	29504 207 5300

PIP Modules

01	29504 106 5100
02	29504 106 5200
03	29504 106 5300
04	29504 106 5400
05	29504 165 9400
06	29504 165 9600
07	29504 165 9700
08	29504 165 9800
09	29504 206 0100
10	29524 106 5100
11	29504 206 2100
12	29524 106 5200

Processor Panels

01	29305 119 7100
02	29305 219 0200
03	29305 219 0300
04	29305 219 0600
05	29305 219 0700
06	29305 219 1300
07	29305 319 0300
08	29504 203 0100
09	29504 203 0200
10	29504 203 0400
11	29504 203 0600
12	29504 203 0800
13	29504 203 0900
14	29305 319 0100
15	29305 319 0200
16	29504 203 0500
17	29504 203 0700
18	29504 203 1600
19	29305 219 1400
20	29504 203 1400
21	29504 203 1700
22	29305 219 1600
23	29305 219 1700
24	29305 219 2500
25	29305 219 2600
26	29305 219 2400
27	29305 219 2700
28	29504 203 1800
29	29305 219 2100
30	29305 219 3000
31	29305 219 3700
32	29305 219 3800
33	29305 219 2800
34	29305 219 8100

SAT Modules

01	29504 106 2200
02	29504 106 2300
03	29504 106 2800
04	29504 222 0100
05	29504 106 2500
06	29504 106 2900

Signal Modules

01	29504 102 3400
02	29504 102 3500
03	29504 102 3600
04	29504 162 3400
05	29504 162 3500
06	29504 162 3600
07	29504 162 3700
08	29504 202 0100
09	29504 212 0200
10	29504 262 0100
11	29504 212 0300
12	29504 262 0200
13	29504 262 0300
14	29504 202 0100
15	29504 202 2100
16	29504 262 2100
17	29504 202 2200
18	29504 212 0400
19	29504 262 2300

Tuners

03	29504 201 2100
04	29504 201 3100
06	29504 301 0100
07	61406 016 1000
08	61406 016 1200
09	61406 016 1300
10	61406 016 1400
12	81406 016 1000
13	81406 016 1200
14	81406 016 1300
15	81406 016 1400
16	81406 016 1900
17	29504 301 0200
18	29504 301 0300
19	29504 301 0400
20	81406 016 1100
21	81406 016 1500
22	29504 501 0100

VGA Modules

01	29305 160 3500
02	29305 160 3600
03	auf Prozessorpl.
04	auf PIP-Baustein

IF Modules

05	29504 102 5700
11	29504 162 5700

Different Modules

02	Double Window Module	29504 109 2100
03	BSO Board	29305 119 4400
04	Dolby Module	29305 119 1700
09	EURO AV3 Board	29305 160 3700
10	Feature Board	29305 129 0700
11	Feature Board CTI/LTI	29305 119 3500
12	Felocity Modulation Board	29305 108 0700
16	IRDT Module	29504 207 0100
17	LFR Board	29305 014 4100
19	Mains Interference Elimination Board	29308 150 0700
20	Mains Unit 12V	29305 007 3200
21	Mains Unit Standby	29304 050 2900
22	Mains Unit Standby	29304 050 8200
23	PALplus (Feature Box)	29305 014 4000
24	Panorama View	29305 129 0400
25	Rotation Board	29305 129 0200
26	UG2-Shift/Panorama View	29305 119 4300
28	YUV Interface Board	29305 129 0600
29	IF Sound (Nicam)	29504 162 3900
30	IF Sound (Stereo)	29504 102 4000
31	Sound/Filter Board	29305 129 0100
32	ASIS Unit	29504 108 2300
33	ASIS Mains Unit	29304 050 8000
35	Mains Unit 12V	29305 007 3100
36	Mains Unit 12V	29305 007 3300
37	PALplus Board	29305 014 4700
38	LED Board	29305 017 6000
40	Motor Control Board	29305 150 2100
41	AC3-Out Board	29305 160 6400
42	Aux Board 12V	29305 160 6100
43	RS 232 Adapter Board	29305 160 6200
44	Adapter Board	29305 129 1200
45	Rotation Board	29305 129 1800
46	Mains Unit Standby	29304 050 8500
47	PALplus Board	29305 014 4800
48	Rotation Board	29305 129 1600
51	LED Board	29305 017 6400
52	Sound/Filter Board	29305 129 0100
53	Mains Unit 5.0V/0.4A	29304 050 8400
54	COM Module	29504 108 2400
55	DVD Control Board	29305 129 1700
56	Mains Unit 12V	29305 007 3400
57	DVD Module	29638 395 1201
58	Speaker Deplexer Board	29304 018 0700
59	AF Invention PCB	29305 119 7800
60	DVD Unit	29632 255 0100
61	Shift Board	29305 109 0100
62	DVD KIT1	
63	Mains Unit Board	29305 202 2100
64	Feature/SVM Board	29305 129 2000

Retrofitable Modules

01	AF Module DPL 2	GAD 8900
03	PIP Module PIP 2	GAD 2300
04	PIP Module PIP 3	GAD 5400
05	PIP Module PIP 4	GAD 9000
06	PIP Module PIP 5	GAE 2000
07	PIP Module PIP 6	GAE 7300
08	SAT Module SER 150 ET	GAD 2500
09	SAT Module SER 2000	GAE 0600
10	SAT Module SER 250	GAE 0700
11	SAT Module SER 300	GAE 3700
12	SAT Module SNR 105	GAD 9551
14	VGA Module VGA 2	GAD 4200
15	VGA Module VGA 3	GAF 4900
16	ASIS Unit	29504 108 2300
17	ASIS Mains Unit	29304 050 8000
18	SAT Module SER 2001	GAF 8300
19	PIP Module PIP 3a	GAF 6500
20	GDV Module 1	GAF 1400
21	SNR DTR 2000 S	GAF 1251
22	SAT Module SER 251	GAF 9100
23	VGA Module VGA 4	GAF 9200
24	PIP Module PIP 7	GAF 9300
25	SAT Module SER 300A	GAF 9000
26	SAT Module SER 2100	GAG 3000
27	SAT Mod. DER 1101 S/T-CI	GAG 6900
28	SAT Mod. DER 1100 S/T-CI	GAG 6600
29	Wireless Set WT2	GAG 8900
30	SAT Module SER 252	GAG 8000

Remote Controls

01	TP 712	29642 063 0100
02	TP 715	29642 062 1102
04	TP 715	29642 062 4700
06	TP 750 C	29642 062 1800
07	TP 750 C	29642 062 1900
08	TP 750 C	29642 062 5100
09	TP 750 C	29642 062 5200
10	TP 750 C	29642 062 5300
11	TP 800	29642 061 0104
12	TP 810 C	29642 061 1001
13	TP 815 C	29642 061 1400
14	TP 850 C	29642 061 0901
15	TP 900	29642 061 1103
16	TP 910 C	29642 061 1201
17	TP 711	29642 062 0100
18	TP 713	29642 063 0400
22	TP 771	29642 059 5100
23	TP 800 Hotel	29642 061 0800
24	TP 715 Hotel	29642 062 1600
25	Personal Remote 10	29642 061 1501
26	TP 912 C	29642 061 3300
27	TP 100 C	29642 061 4102
28	TP 100 C	29642 061 4600
29	TP 110 C	29642 061 4200
30	TP 110 C	29642 061 4202
31	TP 800 H	29642 061 1900
32	TP 120 DC	29642 061 0600
33	TP 150 C	29642 066 0300
34	TP 150 C	29642 066 0400
35	TP 140 C	29642 061 4800

Footnotes

*	optional
**	dependent on CRT panel
•	dependent on signal module
••	dependent on processor panel
•••	dependent on chassis
°	optional when software index \geq 19798 318 1000
°°	optional when software index \geq 19798 323 0100
#	dependent on feature box

Sets Chart (Coding of the Modules on pages 2.14/2.15/2.16)

Set	CUC																						
	2103	2103	2103	2103	1930	2059D	2059D	2059D	1930	1930	1934	2059D	2059D	1931	1931	2058D	2058D	2058D	1931	1931	1935		
ARCANCE 37 P37-2101 MV (VNM)																							
ARCANCE 37 P37-2101 TR (VNM)																							
ARCANCE 51 T51-2101 MV (VNM)																							
ARCANCE 55 T55-2101 MV (VNM)																							
ARGANTO 70 FLAT MFW70-530/9 DPL (VNM)					Basic 3																		
ARGANTO 70 MW70-500 IRDT (VNM)																							
ARGANTO 70 MW70-502 IRDT/DOLBY (VNM)																							
ARGANTO 70 MW70-505 IRDT/DPL (VNM)																							
ARGANTO 70 MW70-510/8 A DPL (VNM)					Basic 3																		
ARGANTO 70 MW70-510/8 DPL (VNM)																							
ARGANTO 70 MW70-515 MV/DOLBY (VNM)										DIGI 100													
ARGANTO 70 MW70-600 IRDT (VNM)																							
ARGANTO 70 MW70-605 IRDT/DPL (VNM)																							
ARGANTO 82 FLAT MFW82-530/9 DPL (VNM)					Basic 3																		
ARGANTO 82 FLAT MFW82-530/9 DVD (VNM)					BASIC3																		
ARGANTO 82 MW 82-500 IRDT (VNM)																							
ARGANTO 82 MW82-502 IRDT/DOLBY (VNM)																							
ARGANTO 82 MW82-505 IRDT/DPL (VNM)																							
ARGANTO 82 MW82-510/8 A DPL (VNM)					Basic 3																		
ARGANTO 82 MW82-510/8 DPL (VNM)					Basic 3																		
ARGANTO 82 MW82-515 MV/DOLBY (VNM)					DIGI 100																		
Control Unit																							
CRT Panel	55	55	52	52	42	43	43	43	44	44	53	43	43	48	48	43	43	43	48	42	51		
Socket Board					13			14	13	13			14	13	19/13				13	13			
EPG Board					01				01	01				01					01	01			
Dyn. Focus,					03									03	03				03	03	08		
Feature Box					12			13	11	19			15	15				16	10	22			
Keyboard					10	12	12	12	10	10	16	12	12	10	10	12	12	12	10	10	16		
Mains Switch Board					14	09	09	09	14	07	24	09	09	14	21	09	09	09	14	07	22		
AF Module					31	22	22	23	31	25	33	22	23	31	32	22	22	23	31	25	33		
East/West																							
PIP Module																							
Processor Board	23	22	23	23	11	06	26	06	11	09		06	06	11	28	06	26	06	11	08			
Processor Board					18*				18*					18*					18*				
SAT Module																							
Signal Module					10				10	10	16			13	13				13	10	16		
Signal Module																							
Tuner	06	06	06	06	06	06	06	06	06	06	17	06	06	06	06	06	06	06	06	06	17		
Feature Box																							
VGA Module										03										03			
IF Module																							
Different Modules						16	24	16		09		24	24		45	16	24	16					
Different Modules					25	24	28	24		22		28	28	45	46	24	28	24		09			
Different Modules					22	28	16	28	22			16	16	22	44	28	16	28		17			
Different Modules														44	55				44	22			
Different Modules					09				09					09	57				09	25			
Different Modules																							
Different Modules																							
Different Modules																							
Different Modules																							
Remote Control	06	06	06	06	14	13	13	13	14	14	28	13	13	14	32	13	13	13	14	14	28		
Remote Control																							
retrofitable					06				06	06	23			06	06*				06	06	23		
retrofitable					07				07	07	24			07	07*				07	07	24		
retrofitable					11				11	11	25			11	11*				11	11	25		
retrofitable															25*								
retrofitable																							
MI	01	01	01	01	00	99	01	99	00	99	01	00	00	00	01	99	01	99	00	99	01		

*/**/•/••/•••/°/°°/# see page 2.16



Set	CUC		Set																						
	1836	Basic ++	BOSTON SE7010 IDTV (VNX)	BOSTON SE7012 DOLBY (VNM)	BOSTON SE7090 IDTV/LOG	BOSTON SE7090/8 IDTV/LOG	DAVIO 37 P37-2102 (VNM)	DAVIO 37 P37-2102 M(VNM)	DAVIO 37 P37-2102/1 (VNM)	DAVIO 37 P37-2103 MV (VNM)	DAVIO 37 P37-2104 MV (VNM)	DAVIO 37 P37-2105 MV (VNM)	DAVIO 37 P37-4101 GB (VNM)	DAVIO 37 P37-4101 MV (VNA)	DAVIO 37 P37-4101 MV (VNM)	DAVIO 37 P37-4101 TOP (VNM)	DAVIO 37 P37-4101 TOP/1 (VNM)	DAVIO 37 P37-4101 TOP/TR (VNM)	DAVIO 37 P37-4101/12 MV (VNM)	DAVIO 37 P37-4101/12 MV SAT (VNM)	DAVIO 51 T51-3101 MV (VNM)	DAVIO 51 T51-3101 TOP (VNM)	DAVIO 51 T51-3101 TOP/1 (VNM)	DAVIO 51 T51-3101 TOP/1 (VNM)	
Control Unit	24																								
CRT Panel	36	49	26	26	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	52	52	52	
Socket Board		21																							
EPG Board																									
Dyn. Focus,																									
Feature Box	13/16	20	04	04																					
Keyboard		13																							
Mains Switch Board		17																							
AF Module																									
East/West																									
PIP Module																									
Processor Board												22	23	23	22	22	22	23	29	23	22	22	22	22	
Processor Board													33					33							
SAT Module																			06						
Signal Module	01	15	01	04																					
Signal Module	03°°																								
Tuner	03•	17	03	03	06	06	06	06	06	06	19	06	06	06	06	06	06	06	06	06	06	06	06	06	
Feature Box	06•																								
VGA Module																									
IF Module																									
Different Modules	21																	56	56						
Different Modules																									
Different Modules																									
Different Modules																									
Different Modules																									
Different Modules																									
Different Modules																									
Different Modules																									
Remote Control	11	26	15	15	06	06	06	10	07	07	06	07	06	06	06*	06	06	07	07	06	06	06	06	06	
Remote Control															07*										
retrofitable	14	23																26			26	26			
retrofitable	19	24																							
retrofitable	08	25																							
retrofitable																									
retrofitable																									
MI	01	01	97	97	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	01	

*/**/•/•/•/•/°/°/°/# see page 2.16



Set	CUC		Set																
	2103	1806	1806	2021	2121	2121M	2121M	2021N	2021F	2021F	2021N	2103GB	2103M	2103	2103	2103	2103	1836	1836
Control Unit	52	14	14	08	52	52	52	38	38	38	08	52	52	52	52	52	52	15	15
CRT Panel		36	36						15	15								36	36
Socket Board																			
EPG Board																			
Dyn. Focus, Feature Box		13/16	08															08	13/16
Keyboard																			
Mains Switch Board																			
AF Module				29	29	30	30	02	02	30	30								
East/West PIP Module																			
Processor Board	22				24	25	25					22	23	22	22	22	22		
Processor Board						30													
SAT Module														06					
Signal Module		04	04															04	04
Signal Module		06°	06°															06°	06°
Tuner	06	03•	03•	06	06	06	06	06	06	06	06	19	06	06	06	06	06	03•	03•
Feature Box		06•	06•															06•	06•
VGA Module		02	02																
IF Module																			
Different Modules		21	21															21	21
Different Modules																		22	22
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Remote Control	06			02*	07	07	07	02*	02*	02*	02*	06	06	06	06	06	06	11*	11*
Remote Control				07*				07*	07*	07*	07*							12*	12*
retrofitable		04	04	18	26		26	09	09	18	18		26					04	04
retrofitable		08	08															08	08
retrofitable																		14	14
retrofitable																			
retrofitable																			
MI	01	99	99	00	01	01	01	99	00	00	00	01	01	01	01	01	01	99	01

*/**/•/••/•••/°/°°/# see page 2.16



Set	CUC																
	1836	1836	1837	1837	2032	2030N	2030N	2050N	2050N	2035F	2035F	1935	1984	1984	1929	1931	
	Basic++	Basic++										DIGI 100	Digi 6	Digi 6	Basic ++	Basic 3	
	DAVIO 70 M70-290/8 IDTV (VNM)	DAVIO 70 M70-290/8 IDTV (VNX)	DAVIO 70 ST70-292 DOLBY (VNM)	DAVIO 70 ST70-292/8 DOLBY (VNM)	DAVIO 70 ST70-5001 DOLBY (VNM)	DAVIO 70 ST70-5001 NIC/DOLBY (VNM)	DAVIO 70 ST70-8510 NIC/DOLBY (VNM)	DAVIO 70 ST70-853 NIC/PIP (VNM)	DAVIO 70 ST70-854 PIP/Dolby (VNM)	DAVIO 70 ST70-870 FR/TOP (VNM)	DAVIO 70 ST70-880 FR/Dolby (VNM)	DENVER FLAT SE8260/8 DOLBY (VNM)	DENVER SE82-100 PAL PLUS	DENVER SE82-100 PAL PLUS (mit dw)	DENVER SE8216/9 PAL PLUS	DENVER SE8227/8 PIP	DENVER SE8250/8 PIP/DOLBY (VNG)
Control Unit	15	15			16	16	16	16	16	16	16						
CRT Panel	36	36	49	49	41	41	41	41	41	41	41	50	34	29/34**	34	39	42
Socket Board												25	12		12	06	
EPG Board																	01*
Dyn. Focus,												09				02	03
Feature Box	08	13/16	19	19								24	05	05	05	08	13
Keyboard												16			05	10	
Mains Switch Board												23/24			16	14	
AF Module												33	20	20	20		28
East/West																	
PIP Module									01							03	09
Processor Board							18			03							11
Processor Board																	18*
SAT Module																	
Signal Module	04	04	15	16								16	05	05	05	04	11
Signal Module	06°	06°														06°	10
Tuner	03•	03•	17	17	06	06	06	06*	06*	06*	06	17	03	03	03	03•	06
Feature Box	06•	06•						13*	13*	13*						06•	17
VGA Module													01	01	01		
IF Module																	
Different Modules	21	21						11	11							21	
Different Modules																58	25
Different Modules																59	46
Different Modules																12	09
Different Modules																	
Different Modules																	
Different Modules																	
Different Modules																	
Remote Control	11	11	28	27*	06	06	07	11	12	02	02*	26	15	15	15	15	16
Remote Control				28*							07*						
retrofitable	04	04	23	23	22		12			12		23				14	07
retrofitable	08	08	24	24				01	01			24				08	
retrofitable	14	14	25	25				10	10			25					
retrofitable																	11
retrofitable																	
MI	99	01	01	01	01	01	00	00	00	99	00	01	97	98	97		00

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Set	CUC																	
	1931	1931	2130	2130M	1837	1837	1837	1837	1934	2059	2059N	2130M	2030N	2130	1837	1837	2032	
DENVER SE8250/8 PIP/DOLBY (VNM)	Basic 3	Basic 3																
DENVER SE8250/8 PIP/DOLBY (VNX)																		
ELEGANCE 63 ST63-2103 DOLBY (VNM)																		
ELEGANCE 63 ST63-2103/8 DOLBY (VNM)																		
ELEGANCE 63 ST63-300 DOLBY (VNM)	DIGI 100																	
ELEGANCE 63 ST63-300/8 DOLBY (VNM)	DIGI 100																	
ELEGANCE 70 M70-300 DOLBY (VNM)	DIGI 100																	
ELEGANCE 70 M70-3110 DOLBY (VNM)	DIGI 100																	
ELEGANCE 70 MW70-150/8 DOLBY (VNM)	DIGI 100																	
ELEGANCE 70 MW70-2101 DOLBY (VNM)																		
ELEGANCE 70 MW70-2101 NIC/DOLBY (VNM)																		
ELEGANCE 70 ST 70-2103/8 DOLBY (VNM)																		
ELEGANCE 70 ST70-2102 NIC/DOLBY (VNM)																		
ELEGANCE 70 ST70-2103 DOLBY (VNM)																		
ELEGANCE 70 ST70-300 DOLBY (VNM)	DIGI 100																	
ELEGANCE 70 ST70-300/8 DOLBY (VNM)	DIGI 100																	
ELEGANCE 70 ST70-900 DOLBY (VNM)																		
Control Unit			28	28														
CRT Panel	42	42	59	59	49	49	49	49	49	26	26	28	26	28	49	49	26	
Socket Board				27						43	45	59	41	59			41	
EPG Board	01/02*	01/02																
Dyn. Focus,	03	03																
Feature Box	13	13			19	19	19	19	18						19	19		
Keyboard	10	10																
Mains Switch Board	07																	
AF Module	28	28	29	30								30		29				
East/West			09	09/11***								08/10***		08/10***				
PIP Module	09	09																
Processor Board	11*	11*	31	32							19	32	19	31				
Processor Board	12*	12																
SAT Module																		
Signal Module	09	10			15	15	15	15	16						15	16		
Signal Module	10	11																
Tuner	06	06	06	06	17	17	17	17	17	06	06	06	06	06	17	17	06	
Feature Box	16	17																
VGA Module	03																	
IF Module																		
Different Modules										11	10							
Different Modules	09	25								24	24							
Different Modules	22	22																
Different Modules	25	09																
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Remote Control	16	16	33	33	27	28	27	27	27	12	12	33	07	33	28	27*	06	
Remote Control																28*		
retrofitable	07	07	26		23	23	23	23	23	05	05			26	23	23	22	
retrofitable	11	11			24	24	24	24	24						24	24		
retrofitable					25	25	25	25	25	22	22				25	25		
retrofitable																		
retrofitable																		
MI	99	00	01	01	01	01	01	01	01	01	01	01	01	01	01	01	00	

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Set	CUC																	
	2032	2035F	2030N	2030N	2030N	1838	1838	2068N	2068N	1935	1935	2058	2058N	Basic 3	Basic 3	Basic 3	Basic 3	
ELEGANCE 70 ST70-900 DOLBY/TR (VNM)																		
ELEGANCE 70 ST70-900 FR/DOLBY (VNM)																		
ELEGANCE 70 ST70-900 NIC/DOLBY(VNM)																		
ELEGANCE 70 ST70-900/4 DOLBY (VNM)																		
ELEGANCE 70 ST70-904 NIC/DOLBY (VNM)																		
ELEGANCE 72 FLAT MF72-3110 DOLBY (VNM)						DIGI 100												
ELEGANCE 72 FLAT MF72-3110/8 DOLBY (VNM)						DIGI 100												
ELEGANCE 82 MW82-2201 NIC/DOLBY (VNM)																		
ELEGANCE 82 FLAT MFW82-3101 NIC/DOLBY (VNM)																		
ELEGANCE 82 FLAT MFW82-3110 MV/DOLBY (VNM)																		
ELEGANCE 82 MW82-150/8 DOLBY (VNM)																		
ELEGANCE 82 MW82-2101 DOLBY (VNM)																		
ELEGANCE 82 MW82-2101 NIC/DOLBY (VNM)																		
FINE ARTS VISION MFW82-710/8 DVD (VNM)														Basic 3	Basic 3	Basic 3	Basic 3	
FINE ARTS VISION MFW82-710/9 DPL/PIP (VNM)														Basic 3	Basic 3	Basic 3	Basic 3	
FINE ARTS VISION MFW82-710/9 DVD (VNA)														Basic 3	Basic 3	Basic 3	Basic 3	
FINE ARTS VISION MFW82-710/9 DVD (VNX)														Basic 3	Basic 3	Basic 3	Basic 3	
Control Unit	26	26	26	26	26			46	46			26	26	25	25	25	25	
CRT Panel	41	41	41	41	41	60	60	45	43	50	51	43	45	46	46	46	46	
Socket Board														13;17;19	17/13	17/19/13	17/19/13	
EPG Board														03••	03	03•	03•	
Dyn. Focus,										09	08			05	05	05	05	
Feature Box						18	18			18	19			14/17*	14	14/17*	14/17*	
Keyboard																		
Mains Switch Board																		
AF Module														31	25	31	31	
East/West																		
PIP Module														09	09	09	09	
Processor Board								34					19	17/21*	16*	17	17	
Processor Board															17*	21*	21*	
SAT Module																		
Signal Module						15	16			16	16			12	09	12	12	
Signal Module														09	12	09	09	
Tuner	06	06	06	06	06	17	17	22	22	17	17	06	06	06	18	18	18	
Feature Box														16	16			
VGA Module															03	03	03	
IF Module																		
Different Modules								64	24			11	10	37•/47•	37	37#	37#	
Different Modules								24				24	24	46	22	47#	47#	
Different Modules														38	38	48	48	
Different Modules														48		46	46	
Different Modules														40	25	38	38	
Different Modules														41	40	42	42	
Different Modules														42	09	43	43	
Different Modules															41/42	40	40	
Different Modules																60	60	
Remote Control	06	06	06	06	06	30	30	33	33	29	27*	12	12	25	25	25	25	
Remote Control											28*							
retrofitable	22					23	23	30		23	23	05	05	07	07	07	07	
retrofitable						24	24			24	24			11	11	11*	11*	
retrofitable						25	25			25	25	22	22		20	25*	25*	
retrofitable						27	27											
retrofitable						28	28											
MI	01	01	01	01	01	01	01			01	01	01	01	01	00	01	01	

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Set	CUC																			
	1931	1836	7303	2003	2020	2021	2021	2030N	2030	2050	2032	2032	2030N	2121M	1935	2136M	2121	2121M	2103	1838
	Basic 3	Basic++													DIGI 100					DIGI 100
FINE ARTS VISION MF782-720/9 DVD (VNM)		GREENVILLE 100 SE7030 (VNM)	GREENVILLE 370 SE3781 text	GREENVILLE 370 SE3781 TOP	GREENVILLE 550 SE5586 TOP	GREENVILLE 560 SE5587 TOP	GREENVILLE 561 SE5590 Dolby (VNM)	GREENVILLE 7003 NIC/TOP	GREENVILLE 7003 text	GREENVILLE 7004 NIC/TOP	GREENVILLE 7005 TOP (VNM)	GREENVILLE 7006 DOLBY (VNM)	GREENVILLE 7006 NIC/DOLBY (VNM)	GREENVILLE SE5592 MV/DOLBY (VNM)	HAMBURG SE8240 DOLBY (VNM)	LEEMAXX 55 FLAT MF55-9101/8 DOLBY (VNM)	LEEMAXX 55 ST55-4105 DOLBY (VNM)	LEEMAXX 55 ST55-4105 MV/DOLBY (VNM)	LEEMAXX 55 T55-4104 TOP (VNM)	LEEMAXX 72 FLAT MF72-9110/8 DOLBY (VNM)
Control Unit	25															40				
CRT Panel	46	36	09	09	08	38	08	35	35	35	41	41	41	52	51	59	52	52	52	60
Socket Board	17/13	07									05	05	05			27				
EPG Board	03																			
Dyn. Focus,	05														08					
Feature Box	14	08													19					18
Keyboard		03									08	08	08							
Mains Switch Board		02									05	05	05							
AF Module	25				06	01	29							30		30	29	30		
East/West																14***				
PIP Module	09	03																		
Processor Board	16*			14		02					02*		18	24		32	24	24	29	
Processor Board	17*													25			25			
SAT Module																				
Signal Module	09	04													15					16
Signal Module	12	06°																		
Tuner	18	03•	06*	06*	06*	06*	06	15	15	06*	06*	06	06	06	17	06	06	06	06	17
Feature Box	16	06•	08*	13*	08*	13*				08*	13*									
VGA Module	03																			
IF Module																				
Different Modules	37	21																		
Different Modules	22	22																		
Different Modules	38																			
Different Modules																				
Different Modules	25																			
Different Modules	40																			
Different Modules	09																			
Different Modules	41/43																			
Different Modules																				
Remote Control	25	15	02	02	02	02	02*	15	15	15	15	16	16	06	26	34	07	07	07	30
Remote Control							06*													
retrofitable	07	04		09		09	18				10	10	12	26	23	26	26	26		23
retrofitable	11	08													24					24
retrofitable	21	14													25					25
retrofitable																				27
retrofitable																				28
MI	00	99	98	99	98	99	00	97	97	98	99	00	00	01	01	01	01	01	01	01

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	Set		CUC																	
	1839	1937	2121	1806	1805	1826	1836	1826	1836	1826	1836	1826	1836	1836	1836	1837	1830	1826	1830	
Control Unit	44	45																		
CRT Panel	62	58	52	36	26	26	36	26	36	26	36	26	36	26	36	23	29			
Socket Board		28														36	36			
EPG Board																	20			
Dyn. Focus,	11	12																		
Feature Box	26	27		08	04	04	08	04	08	04	08	04	08	04	08	08	08	08	19	13/16
Keyboard																				
Mains Switch Board	26	27																		
AF Module	33	34	29																	
East/West																				
PIP Module		11																		
Processor Board			24																	
Processor Board																				
SAT Module																				
Signal Module	16	18		04	04	01	01	04	04	01	01	04	04	04	01*	01	04	16	03*	01
Signal Module		19													03*				01*	01
Tuner	17	17	06	03	03	03	03	03	03	03	03	03	03	03	03	03	03	17	06•	03
Feature Box															03•/04•	06•			03•/04•	03
VGA Module		04		02																
IF Module																				
Different Modules	51	61													21*				21/22/46	
Different Modules		51													22*					
Different Modules		63																		
Different Modules		62																		
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Remote Control	30	35	06	11	11	11	11	11	11	11	11	11	11	11	12	11	11	28	12	11
Remote Control																				
retrofitable	23	25	26												14			23	14	
retrofitable	24	28													19			24	19	
retrofitable	25	27													08			25	08	
retrofitable	27	29																		
retrofitable	28																			
retrofitable	29																			
MI	01	01	01	98	97	97	98	97	98	97	98	97	98	97	98	00	98	98	01	01

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AL

Set	CUC																		
	1830	1826	1830	1830	1830	1830	1838	1826	1842	1842	1842	1838	1830	1830	1829	1929	1839	1894	
M72-100 a (VNG)	Basic++																		
M72-100/8	Basic+																		
M72-100/8 a	Basic++																		
M72-100/8 a (VNX)	Basic++																		
M72-109 (VNM)	Basic++																		
M72-109 (VNX)	Basic++																		
M72-109 MV/DOLBY (VNM)	DIGI 100																		
M72-270 IDTV/LOG Elegance	Basic+																		
M72-410 Reference	Digi 6																		
M72-410 Reference/PIP	Digi 6																		
M72-410/9 Reference	Digi 6																		
M72-798 DOLBY (VNM)	DIGI 100																		
M72-798 IDTV	Basic++																		
M72-798 IDTV(VNX)	Basic++																		
M84-210/8 a IDTV/LOG	Basic++																		
M84-211/8 IDTV (VNM)	Basic++																		
M84-212/8 DOLBY (VNM)																			
M95-410/9 Reference/PIP	Digi 6																		
Control Unit	36	30	36	36	36	36	53	30	29	29	29	53	36	36	36	13	31	29	
CRT Panel							23		12	12	12	23	06	06		36	53		
Socket Board						06													
EPG Board																			
Dyn. Focus,																			
Feature Box	13/16	04	08	13/16	08	13/16	19	04	07	07	07	19	08	13/16	08	08	19	07	
Keyboard					05	05	15					15	05	05			14		
Mains Switch Board					03	03	19					19	03	03					
AF Module									21	21	21							20	
East/West																			
PIP Module										07									06
Processor Board																			
Processor Board																			
SAT Module																			
Signal Module	01	04	04	04	01*	01*	16	01	02	02	05	15	01	01	04	04	16	05	
Signal Module					03*	03*							03°	03°		06°			
Tuner	03	03	03	03	03•/04•	03•/04•	17	03	03	03	03	17	03•	03•	03	03•	17	03	
Feature Box					06•	06•							06•	06•		06•			
VGA Module										01	01							01	
IF Module																			
Different Modules					21*	21*							21*	21*		21			
Different Modules					22*	22*							22*	22*					
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Remote Control	11	11	11	11	12	12	28	11	11	11	11	28	11	11	11	11	28	11	
Remote Control																			
retrofitable					14	14	23					23	04	04		04	23		
retrofitable					19	19	24					24	08	08		08	24		
retrofitable					08	08	25					25	14	14		14	25		
retrofitable																			
retrofitable																			
MI	01	97	98	01	00	01	01	97	97	97	97	01	99	01	98	99	01	97	

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Set	CUC																		
	1894	2051N	2031N	2031	2033	1838	7303	1828	1828	1952	1952	2059N	2059N	2059F	2059N	2059N	2059	2059F	
M95-411/9 Reference/PIP	Digi 6																		
MELBOURNE SE7210 a NIC/TOP	Digi 6																		
MELBOURNE SE7210 NIC/TOP	Digi 6																		
MELBOURNE SE7210 TOP	Digi 6																		
MELBOURNE SE7212 TOP (VNM)	Digi 6																		
MF72-258 DOLBY (VNM)	DIGI 100																		
MIAMI SE3780 text	Basic++																		
MW70-100/8	Basic++																		
MW70-100/8 (VNX)	Basic++																		
MW70-269 PAL PLUS	Digi 6																		
MW70-269 PAL PLUS (mit dw)	Digi 6																		
MW70-2690 NIC/TOP	Digi 6																		
MW70-2699 DPL/FT (VNM)	Digi 6																		
MW70-2699 FR/TOP (VNM)	Digi 6																		
MW70-2699 NIC/FT (VNM)	Digi 6																		
MW70-2699 NIC/TOP (VNA)	Digi 6																		
MW70-2699 NIC/TOP (VNM)	Digi 6																		
MW70-2700 Dolby (VNM)	Digi 6																		
MW70-2700 FR/Dolby (VNM)	Digi 6																		
Control Unit	29	40	37	37	40	50	20	36	36	33	33	40	43	43	43	45	43	43	45
CRT Panel		08			05					12			04	04	04	04	04	04	04
Socket Board																			
EPG Board																			
Dyn. Focus,						10													
Feature Box	07					18		08	13/16	05	05								
Keyboard					08	16							07	07	06	06	07	07	07
Mains Switch Board					05								04	04	04	04	04	04	04
AF Module	20									20	20								
East/West																			
PIP Module	07																		
Processor Board					02*								01*	05			01*		
Processor Board													04*				04*		
SAT Module																			
Signal Module	05					15		04	04	02	02								
Signal Module																			
Tuner	03	06*	14	14*	06*	17	07*	03	03	03	03	06*	06*	06*	06*	06*	06*	06*	06*
Feature Box		08*		13*	13*		10*					08*	13*	13*	13*	13*	13*	13*	13*
VGA Module	01																		
IF Module																			
Different Modules					03						02		11	11	11	10	11	11	24
Different Modules					26								24	24	24	24	24	24	10
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Remote Control	11	15	15	15	15	30	02	11	11	11	11	11	11	11	12	12	11	12	12
Remote Control																			
retrofitable					10	23							01	01	05	05	01	05	10
retrofitable						24							05	05	01	01	05	01	15
retrofitable						25							12	12	10	10	12	10	01
retrofitable																			
retrofitable																			
MI	98	98	97	97	99	01	98	97	01	97	98	98	99	99	00	00	99	00	00

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Set	CUC																			
	2059N	2059N	2059N	2059N	2059N	1984	1984	1984	1984	2058N	2059F	2058N	2058N	2058N	2058	2058F	2058N	2058N	1935	
Control Unit																				
CRT Panel	43	43	45	43	43	34	34	34	29/34**	43	43	43	45	43	43	45	43	43	51	
Socket Board	04	04	04	04	16/04	12	03	12	03	04	04	04	04	04	04	04	04	04	24	
EPG Board																				
Dyn. Focus,																			08	
Feature Box				06	06	07	07	05	05										19	
Keyboard	07	06	06							07	07	06	06	07	07	07	07	07	15	
Mains Switch Board	04	04	04	04	04					04	04	04	04	04	04	04	04	04	19	
AF Module					18	20	20	19	19											
East/West																				
PIP Module								07	07											
Processor Board										01*	05			01*						
Processor Board										04*				04*						
SAT Module																				
Signal Module						05	05	05	05										16	
Signal Module																				
Tuner	06	06	06	06*	06*	03	03	03	03	06*	06*	06*	06*	06*	06*	06*	06	06	17	
Feature Box			13*	13*	13*					13*	13*	13*	13*	13*	13*	13*				
VGA Module						01	01	01	01											
IF Module																				
Different Modules	11	11	10	11	11				02	11	11	11	10	11	11	24	11	11		
Different Modules	24			24	24					24	24	24	24	24	24	10	24	24		
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Remote Control	12	12	12	12	12	11	11	11	11	11	11	12	12	11	12	12	12	12	28	
Remote Control																				
retrofitable	05	01	01	01	05					01	01	05	05	01	05	10	05	01	23	
retrofitable		05	05	05	10					05	05	01	01	05	01	15	05	05	24	
retrofitable	22	22	22	10						12	12	10	10	12	10	01	22	22	25	
retrofitable																				
retrofitable																				
MI	01	00	00	00	00	97	98	97	98	99	99	00	00	99	00	00	01	00	01	

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Set	CUC																	
	2058N	2058N	2058N	1836	1929	1929	1929	1838	7303	7303	7303	7303	7303	7303	7303GB	7303	7303	
MW82-3699 DOLBY/FT (VNIM)																		
MW82-3699 NIC/FT (VNIM)																		
MW82-3700 DPL/FT (VNIM)																		
MW82-40/8 (VNIM)				Basic++														
MW82-45/8 (VNIM)				BASIC++														
MW82-50/8				Basic++														
MW82-50/8 (VNX)				Basic++														
ORLANDO FLAT SE7270 DOLBY (VNIM)				DIGI 100														
P37-080																		
P37-080 (VNA)																		
P37-080 GB (VNA)																		
P37-080 IR (VNA)																		
P37-080 TR (VNIM)																		
P37-090 GB (VNA)																		
P37-090 GB (VNIM)																		
P37-090 IR (VNIM)																		
P37-3035																		
Control Unit				20				43										
CRT Panel	45	43	43	39	39	39	39	61	20	20	20	20	20	20	20	20	20	20
Socket Board	04	04	16/04		06	06	06	25										
EPG Board																		
Dyn. Focus,				02	02			07										
Feature Box		06	06	08	08	08	13/16	25										
Keyboard	06			04	05													
Mains Switch Board	04	04	04		16			25										
AF Module			18															
East/West																		
PIP Module																		
Processor Board																		
Processor Board																		
SAT Module																		
Signal Module				04	06*	04	04	17										
Signal Module				06°	04*													
Tuner	06	06*	06*	04	03•	03	03	17	07*	06	19	06	12*	19	20	06	07*	
Feature Box	13*	13*	13*	03/06•	06•				10*				15*		21*		10*	
VGA Module																		
IF Module																		
Different Modules	10	11	11	12	21/22													
Different Modules		24	24		12													
Different Modules				21*														
Different Modules				22*														
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Remote Control	12	12	12	12	12	11	11	26	02	07	07	02*	02	07	07	02*	17	
Remote Control											02*	07		02*	02*	07*		
retrofitable	01	01	05	04	14			23										
retrofitable	05	05	10	08	19			24										
retrofitable	22	10		14	08			25										
retrofitable								27										
retrofitable								28										
MI	00	00	00	99	01	98	01	01	98	00	00	00	99	00	00	00	98	

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Set	CUC																	
	7303	7303	7303	7303	2003H	7303	7303	7303	7303	7303	7303	7305	7305	7303	7303	7303	7303	
Control Unit	20	20	20	04	09	20	20	20	20	20	20	20	20	20	20	20	20	20
CRT Panel																		
Socket Board																		
EPG Board																		
Dyn. Focus,																		
Feature Box																		
Keyboard																		
Mains Switch Board																		
AF Module																		
East/West																		
PIP Module																		
Processor Board					15													
Processor Board																		
SAT Module																		
Signal Module																		
Signal Module																		
Tuner	06	06	06	12	06*	07*	06	19	06	06	12*	07*	06	07*	06	06	12*	06
Feature Box					13*	10*					15*	10*		10*			15*	
VGA Module																		
IF Module																		
Different Modules					31									35				
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Remote Control	02*	07	02*	17	24	02	02*/07	07	07	06	02	02	07	02	02*	02*	02	02*
Remote Control	07*	02*	07*				08/09/10	02*							07*	07		07
retrofitable					16													
retrofitable					17													
retrofitable																		
retrofitable																		
retrofitable																		
MI	00	00	00	97	99	98	00	00	00	00	99	98	00	98	00	00	99	00

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Set	CUC																					
	7303	2005	7303	7303F	7303F	7303F	7303F	7303	7303	7303F	7303F	7303F	7303	2103	2103	2003H	7303	7303	7303	7300F		
Control Unit																						
CRT Panel	20	09	20	20	04	20	20	20	20	20	20	20	20	21	57	57	47	21	21	21	05	
Socket Board																						
EPG Board																						
Dyn. Focus,																						
Feature Box																						
Keyboard																						
Mains Switch Board																						
AF Module																						
East/West																						
PIP Module																						
Processor Board		07													23	22	15					
Processor Board																						
SAT Module		03																				
Signal Module																						
Signal Module																						
Tuner	12*	06*	07*	06	07*	07*	06	19	06	06	06	06	06	06	06	06	06	06	07*	06	07*	07*
Feature Box	15*	13*	10*		10*	10*													13*	10*	10*	10*
VGA Module																						
IF Module																						
Different Modules		20																				
Different Modules																						
Different Modules																						
Different Modules																						
Different Modules																						
Different Modules																						
Different Modules																						
Different Modules																						
Different Modules																						
Remote Control	02	02	02	02	17	02	02	07	02*	02*	02*	02*	02*	04*	06	06	23	02	02	02	17	
Remote Control								02*	07*	10*	08*	09*	09*									
retrofitable																						
retrofitable												03										
retrofitable																						
retrofitable																						
retrofitable																						
MI	99	99	98	00	98	98	99	00	00	00	00	00	00	99	01	01	99	98	99	98	98	

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Set	CUC			7300F	7303F	2103	2130	2130M	1837	1837	1838	1838	2033N	2021	2020	2021N	2021N	2021N	2021N	2021N
	P45-847 FR/text	P45-848 FR text (VNA)	S55-806 TOP/TR (VNM)																	
SEDANCE 70 ST70-2104 DOLBY (VNM)																				
SEDANCE 70 ST70-2104/8 DOLBY (VNM)																				
SEDANCE 70 ST70-284 DOLBY (VNM)																				
SEDANCE 70 ST70-284/8 DOLBY (VNM)																				
SEDANCE 72 M72-2110 DOLBY (VNM)																				
SEDANCE 72 M72-2110 MV/DOLBY (VNM)																				
SEDANCE 72 ST72-8610 NIC/DOLBY (VNA)																				
ST55-605 TOP (VNM)																				
ST55-710 NIC/TOP																				
ST55-715 NIC/TOP (VNM)																				
ST55-725 B FT/TOP (VNM)																				
ST55-730 GB/Dolby (VNM)																				
ST55-730 S/GB/DOLBY (VNM)																				
Control Unit							37	40												
CRT Panel	21	21	52				59	59	49	49	49	53	40	08	08	38	38	08	08	
Socket Board								27			21	23	04							
EPG Board																				
Dyn. Focus,																				
Feature Box									19	19	19	19								
Keyboard											13	15	06							
Mains Switch Board											17	19	04							
AF Module							29	30						01	08	02	02	30	30	
East/West							08/10/12/13...	08/10/12/13...												
PIP Module																				
Processor Board			22				31	32					19							
Processor Board																				
SAT Module																				
Signal Module									15	16	15	16								
Signal Module																				
Tuner	07*	06	06				06	06	17	17	17	17	06	06	08*	06	06	06	06	06
Feature Box	10*														09*					
VGA Module																				
IF Module																				
Different Modules													03							
Different Modules													26							
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Remote Control	02	02	06				33	33	28	28	28	28	12	02*	02	02*	02*	02*	02*	06
Remote Control														07*		06*	06*	06*	06*	
retrofitable							26		23	23	23	23	22	09		09	09	18	18	
retrofitable									24	24	24	24								
retrofitable									25	25	25	25								
retrofitable																				
retrofitable																				
MI	98	99	01				01	01	01	01	01	01	00	00	98	99	99	00	01	

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Set	CUC																				
	2121GB	7350	7350	2020	2020	2020N	7350	7350	7350	2021N	2021	2021	2021N	2021N	2021N	2121M	2020F	2020N	2020	2021	
Control Unit																					
CRT Panel	52	07	07	08	08	08	07	07	07	08	08	08	08	08	08	52	08	08	08	08	08
Socket Board																					
EPG Board																					
Dyn. Focus, Feature Box																					
Keyboard																					
Mains Switch Board																					
AF Module	30			06	06	08				02	01	01	02	30	30	30	07	08	06	01	
East/West PIP Module																					
Processor Board	27										02	02				25				02	
Processor Board																					
SAT Module																					
Signal Module																					
Signal Module																					
Tuner	19	03*	04	12*	08*	08*	04	04	03*	06	06*	06*	06	06	06	06	08*	08*	08*	06*	
Feature Box		04*		15*	09*	09*			04*		13*	13*					09*	09*	09*	13*	
VGA Module																					
IF Module																					
Different Modules		29	30				30	29	29												
Different Modules																					
Different Modules																					
Different Modules																					
Different Modules																					
Different Modules																					
Different Modules																					
Different Modules																					
Remote Control	06	01	01	02	02	02	01	01	01	02*	02	02	02*	02*	06	06	02	02	02	02	02
Remote Control										06*			06*	06*							
retrofitable										09	09	09	09	18	18	26					09
retrofitable																					
retrofitable																					
retrofitable																					
retrofitable																					
MI	01	98	99	97	98	98	97	97	98	99	99	99	99	00	01	01	98	98	98	98	99

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Set	CUC																			
	2021	2021	2020F	2021F	2021F	2121	2121M	2121M	2121F	2121GB	2121	1836	1836	2030N	2030F	2030N	2030	2030N	2030N	
Control Unit	08	08	08	38	38	52	52	52	52	52	52	36	24	09					09	09
CRT Panel				15	15				27				36	41					41	41
Socket Board																				
EPG Board																				
Dyn. Focus,												08	13/16							
Feature Box																				
Keyboard																				
Mains Switch Board																				
AF Module	29	01	07	02	30	29	30	30	30	30	29									
East/West																				
PIP Module																				
Processor Board						24	25	25	25*	27	24			02*				03*	03*	
Processor Board									30*											
SAT Module																				
Signal Module												04	06*							
Signal Module													04*							
Tuner	06	06*	08*	06	06	06	06	06	06	19	06	03	03•	06*	14	12*	12*	06*	06*	
Feature Box		13*	09*										06•	13*	15*	15*	15*	13*	13*	
VGA Module																				
IF Module																				
Different Modules													46							
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Remote Control	07	02	02	02*	06*	06	06	07	06	06	07	11	11	02	02*	02*	02*	02	02	
Remote Control				07*	07*										18*	18*	18*			
retrofitable	18	09		09	18	26	26	26			26		14	12				12	12	
retrofitable													19							
retrofitable													08							
retrofitable																				
retrofitable																				
MI	00	99	98	00	01	01	01	01	01	01	01	98	01	99	97	97	97	99	99	

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Set	CUC																	
	2032	2130M	2035F	2030N	2030N	2030N	2030N	2130M	2030N	2030	2030N	2032	2030N	1836	1836	1836		
Control Unit	09	39	09				11	38			10	10	16				04	04
CRT Panel	41	59	41	35	41	35	41	59	35	35	41	41	41	36	36	36	36	36
Socket Board		27						27										
EPG Board																		
Dyn. Focus, Feature Box														08	08		08	08
Keyboard					01													
Mains Switch Board					06													
AF Module		30						30										
East/West		09/11***						09/11***										
PIP Module																		
Processor Board	02*	32	03		03*		03*	32			02*	02*						
Processor Board																		
SAT Module																		
Signal Module														01	04		04	04
Signal Module															06°		06°	06°
Tuner	06*	06	06*	07*	06*	07*	06*	06	12*	07*	06*	06*	06	03	03•	04	04	04
Feature Box	13*		13*	10*	13*	10*	13*		15*	10*	13*	13*			06•	03/06•	03/06•	03/06•
VGA Module																		
IF Module																		
Different Modules																	21	21
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Remote Control	02	33	02	02	02	02	02	33	02	02*	02	02	06	11	11		12	12
Remote Control										18*								
retrofitable	10		12		12		12				12	10					04	04
retrofitable																	08	08
retrofitable																	14	14
retrofitable																		
retrofitable																		
MI	99	01	99	98	99	98	99	01	97	98	99	99	01	98	99	99	99	99

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Set	CUC													
	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-260/8 IDTV (VNM)	Basic++	Basic++	DIGI 100	Basic	Basic++	Basic	Basic++	Basic++	Basic ++	Basic ++	Basic++	BASIC++	Basic++	Basic++
ST70-260/8 IDTV (VNX)	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-265/8 DOLBY (VNM)	1837	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-270 IDTV	1825	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-270 IDTV /ab 8/98	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-270/8 IDTV	1825	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-270/8 IDTV /ab 9/98	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-278 IDTV /ab 8/98	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-280 IDTV	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-280 IDTV (VNX)	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-282/8 (VNM)	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-282/8 (VNX)	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-298 IDTV (VNM)	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-298 IDTV (VNX)	1836	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
ST70-398 DOLBY (VNM)	1837	1836	1837	1825	1836	1825	1836	1836	1836	1836	1836	1836	1836	1836
Control Unit			35						24	24	23	23	24	24
CRT Panel	36	36	49	26	36	26	36	36	36	36	06	36	36	36
Socket Board														
EPG Board														
Dyn. Focus,														
Feature Box	08	13/16	19	04	08	04	08	08	08	13/16	08	13/16	08	13/16
Keyboard	01	01												
Mains Switch Board	01	01												
AF Module														
East/West														
PIP Module														
Processor Board														
Processor Board														
SAT Module														
Signal Module	04	04	16	01	01	04	04	01	01	01	04*	06	01*	01*
Signal Module	06°	06°							03°°	03°°	06*		03*	03*
Tuner	04	04	17	03	03	03	03	03	03•	03•	03•/04•	06	03•/04•	03•/04•
Feature Box	03/06•	03/06•							06•	06•	06•		06•	06•
VGA Module														
IF Module														
Different Modules	21*	21*							21	21	21*	46	21*	21*
Different Modules	22*	22*									22*		22*	22*
Different Modules	19	19									19			
Different Modules														
Different Modules														
Different Modules														
Different Modules														
Different Modules														
Different Modules														
Remote Control	12	12	28	11	11	11	11	11	11	11	12	12	12	12
Remote Control														
retrofitable	04	04	23						14	14	14	14	14	14
retrofitable	08	08	24						19	19	19	19	19	19
retrofitable	14	14	25						08	08	08	08	08	08
retrofitable														
retrofitable														
MI	99	01	01	97	98	97	98	98	98	01	00	01	00	01

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Set	CUC																			
	2030	2030N	2030N	2040N	2030F	2030N	2030N	2030	2030N	2030N	2030N	2032	2032	2030N	2035F	2035F	2030N	2030N	2030N	
Control Unit																				
CRT Panel	35	41	09	35	35	35	09	35	09	09	09	09	09	09	09	09	35	41	09	
Socket Board																				
EPG Board																				
Dyn. Focus, Feature Box																				
Keyboard		01																	01	
Mains Switch Board		06																	06	
AF Module				17																
East/West PIP Module																				
Processor Board			02*						03*	18	02*	02*	02*			03		03*		
Processor Board																				
SAT Module																				
Signal Module																				
Signal Module																				
Tuner	07*	06*	06*	13*	08*	07*	06	07*	06*	06	06*	06*	06*	06*	06*	06*	07*	06*	06*	
Feature Box	10*	13*	13*	14*	09*	10*		10*	13*		13*	13*	13*	13*	13*	13*	10*	13*	13*	
VGA Module																				
IF Module																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Remote Control	02	02	02	02	02*	02*	07	02*	02	06	02	02	02	02	02	02	02	02	02*	
Remote Control					18*	18*		18*											06*	
retrofitable			12						12	12	12	10	10		12	12		12	12	
retrofitable																				
retrofitable																				
retrofitable																				
retrofitable																				
MI	98	99	99	97	98	98	01	98	99	00	99	99	99	00	99	99	98	99	00	

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Set	ST70-708 GB/DOLBY (VNM)				ST70-710 NIC/text				ST70-712 NIC/TOP (VNM)				ST70-712/5 NIC/TOP (VNM)				ST70-713/8 DOLBY (VNM)				ST70-715 NIC/TOP				ST70-730 NIC/TOP (VNM)				ST70-740NIC/DOLBY (VNM)				ST70-741/8 DOLBY (VNM)				ST70-742 PIP/DOLBY (VNM)				ST70-743 PIP/DOLBY (VNM)				ST70-770 text				ST70-778 text				ST70-780 FR/TOP				ST70-780 NIC/TOP			
CUC	2030N				2030N				2030N				2030N				2130M				2030N				2030N				2030N				2130M				2050				2060				6330				6330				2030F				2030N			
Control Unit	09				11	11			41				35				41	41			27				42				11	47			41	41			27				27				35				35											
CRT Panel	41	35	41	41					59				35	41	41						27				59				41	41			27				27				35				35															
Socket Board																																																												
EPG Board																																																												
Dyn. Focus, Feature Box																																																												
Keyboard																																																												
Mains Switch Board																																																												
AF Module									30								30																																											
East/West									08/10/12/13...								08/10/12/13...																																											
PIP Module																													02	12																														
Processor Board			03*	03*					32				02*				32																																											
Processor Board																																																												
SAT Module																																																												
Signal Module																																																												
Signal Module																																																												
Tuner	06	07*	06*	06*					06				07*	06*	06		06								06	22	03*	03*	06	22	03*	03*	14				15																							
Feature Box		10*	13*	13*									10*	13*													04*	04*																																
VGA Module																																																												
IF Module																											05	05																																
Different Modules																											11	11																																
Different Modules																																																												
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Set	CUC																			
	2030	2032	2030N	2030N	2032	2030	2032	2030N	2032	2030	2035F	2050N	2050N	2032	2032	2030N	2050N	2050N	2050N	
Control Unit																				
CRT Panel	35	41	41	41	41	35	41	41	41	35	41	35	35	41	41	41	41	41	41	35
Socket Board																				
EPG Board																				
Dyn. Focus, Feature Box																				
Keyboard																				
Mains Switch Board																				
AF Module												18								
East/West PIP Module																				01
Processor Board				02*	02*															
Processor Board														02*						
SAT Module																				
Signal Module																				
Signal Module																				
Tuner	15	06	06	06*	06*	07*	06*	06	06*	07*	06	06*	06*	06*	06	06	06	06	06*	
Feature Box				13*	13*	10*	13*		13*	10*		08*	08*	13*					08*	
VGA Module																				
IF Module																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Different Modules																				
Remote Control	02	06	06	02	02	02	02	06	02	02	02*	11	11	02	02*	06	12	12	11	
Remote Control											06/07*				06*					
retrofitable		22		12	10		10	12	10					10	10		05	05		
retrofitable																01	01			
retrofitable																10	22			
retrofitable																				
retrofitable																				
MI	97	01	01	99	99	98	99	00	99	98	00	98	98	99	00	00	00	01	98	

*/**/•/••/•••/°/°°/# see page 2.16

Set	CUC																
	2030F	1836	1836	1836	2030N	2130M	1825	1826	2033	2051N	2031F	2031N	2031	2033	2033	2033F	
Control Unit		13	13	13	21	40											
CRT Panel	35	36	36	36	41	59	26	30	40	40	37	37	37	40	40	40	
Socket Board						27			04					04	04		
EPG Board																	
Dyn. Focus,																	
Feature Box		08	13/16	08			04	04									
Keyboard									06					06	06	07	
Mains Switch Board									04					04	04	04	
AF Module						30											
East/West						08/10/12/13***											
PIP Module										02							
Processor Board						32			02*					02*			
Processor Board																	
SAT Module																	
Signal Module		04	04	04			01	01									
Signal Module		06°	06°	06°									13*				
Tuner	06*	04	04	03•	06	06	03	03	06*	06*	14	14	14*	06*	06	06	
Feature Box	08*	03/06•	03/06•	06•					13*	08*				13*			
VGA Module																	
IF Module																	
Different Modules		21*	21*	21					03					03	03	03	
Different Modules		22*	22*						26					26	26	26	
Different Modules																	
Different Modules																	
Different Modules																	
Different Modules																	
Different Modules																	
Different Modules																	
Remote Control	02	11	11	11	06	33	22	11	11	11	02*	11	11	11	12	12	
Remote Control											11*						
retrofitable		04	04	14	12				10					10	10	10	
retrofitable		08	08	19													
retrofitable		14	14	08													
retrofitable																	
retrofitable																	
MI	98	99	01	98	00	01	97	98	99	98	97	97	97	99	00	00	

*/**/•/••/•••/°/°°/# see page 2.16

Set	CUC								STATUS VISION MFW82-720/9 DVD/GB (VNM)	SYDNEY 100 SE7020 IDTV/LOG	SYDNEY 100 SE7020 IDTV/LOG /ab 6/98	SYDNEY 100 SE7021 IDTV/PIP	SYDNEY 100/8 SE7020/8 IDTV/LOG	SYDNEY 100/8 SE7020/8 IDTV/LOG /ab 6/98	SYDNEY 2000 SE7230 DOLBY (VNM)	SYDNEY SE7230 DOLBY (VNG)	SYDNEY SE7230 DOLBY (VNM)	SYDNEY SE7230 DOLBY (VNX)	SYDNEY SE7230/8 DOLBY (VNA)
	2031N	2031F	2080N	2080F	2080N	2080N	2080	2080F											
Control Unit			12			12	12	12	25						17	17	17	17	17
CRT Panel	37	40	45	43	43	45	43	45	46	26	36	36	26	36	44	44	46	44	44
Socket Board		04							13;17;19			07		07					
EPG Board									03••						01	01*		01	01
Dyn. Focus,									05								06		
Feature Box									14/17*	04	08	08	04	08	13	13	11		13
Keyboard		06				09	09	09										13	
Mains Switch Board		04													13	15	10	10	10
AF Module									31					24	32	24/27*	24	26	
East/West																			
PIP Module									09			04							
Processor Board			18						17/20*						10	10	10	10	10
Processor Board															20*				
SAT Module																			
Signal Module									12	01	01	01	04	04	08	14	08	08	10
Signal Module									09										
Tuner	14	06*	06	06*	06*	06*	06	06	06	03	03	03	03	03	06	06	06	06	06
Feature Box		13*		08*	08*	13*			16										
VGA Module																			
IF Module																			
Different Modules		03	10			10	11		37•/47•						22	46		22	22
Different Modules		26						10	46								22		
Different Modules									38										
Different Modules									48										
Different Modules									40										
Different Modules									41										
Different Modules									43										
Different Modules																			
Different Modules																			
Remote Control	11	11	12	11	11	12	12	12	25	15	15	15	15	15	16	16	16	16	16
Remote Control																			
retrofitable		12	01			05	05	10	07						15	06	06	06	06
retrofitable			05			01	01	15	11						06	07	07	07	07
retrofitable			22			10	10	01							07	15	11	15	15
retrofitable															11	11	11	11	11
retrofitable																			
MI	97	99	00	98	98	00	00	00	01	97	98	98	97	98	00	00	99	00	00

*/**/•/•/•/•/•/°/°/°/# see page 2.16



Set	CUC		SYDNEY SE7230/8 DOLBY (VNM)	SYDNEY SE7230/8 DOLBY (VNX)	SYDNEY SE7240 DOLBY (VNM)	T51-071	T51-071 (VNX)	T51-071 TR (VNA)	T51-071 TR (VNM)	T51-3035 text	T51-3035 text (VNX)	T51-3050 text (VNM)	T51-720 text	T51-720 text (VNX)	T51-731 text (VNX)	T51-731 text/TR (VNA)	T51-731 text/TR (VNM)	T51-732/4 text (VNA)	T51-830 Multi/ICN (VNM)	T51-830 text (VNM)	T51-830 text/TR (VNM)	
	1832	Basic 3																				
Control Unit	17	17	32																			
CRT Panel	46	44	53	06	22	22	22	22	22	22	22	22	22	22	22	22	22	22	08	22	22	
Socket Board			25																			
EPG Board	01	01*																				
Dyn. Focus,	04																					
Feature Box	11/13	13	21																			
Keyboard																						
Mains Switch Board	10	15	18/20																			
AF Module	24/27	26																				
East/West PIP Module																						
Processor Board	10	10																	15			
Processor Board		20*																				
SAT Module																						
Signal Module	10	10	17																			
Signal Module																						
Tuner	06	06	17	12	06	06	12*	07*	06	06	06	07*	06	06	06	06	12*	06	06*	06	06	
Feature Box							15*	10*				10*					15*		13*			
VGA Module																						
IF Module																						
Different Modules		46																	31			
Different Modules	22																					
Different Modules																						
Different Modules																						
Different Modules																						
Different Modules																						
Different Modules																						
Remote Control	16	16	26	17	02	02	02	17	02	02*	02*	02*	02	02	02	02	02	02	24	02*	02*	
Remote Control										07*	17*									07*	06*	
retrofitable	06	06	23																16			
retrofitable	07	07	24																17			
retrofitable	15	15	25																			
retrofitable	11	11																				
retrofitable																						
MI	00	00	01	97	99	99	99	98	99	00	98	99	98	99	99	99	99	99	99	00	00	

*/**/●/●●/●●●/°/°°/# see page 2.16

Set	CUC																				
	7305	7303	7303F	7303	7303	7303	7303	7303	7303	7303	7303	7303	7303	2003H	2003H	2003H	7303	7303	7303	7303	
Control Unit																					
CRT Panel	22	22	06	35	35	22	22	22	35	22	22	22	08	08	08	22	22	22	22	22	22
Socket Board																					
EPG Board																					
Dyn. Focus,																					
Feature Box																					
Keyboard																					
Mains Switch Board																					
AF Module																					
East/West																					
PIP Module																					
Processor Board													15		15						
Processor Board																					
SAT Module																					
Signal Module																					
Signal Module																					
Tuner	06	06	07*	07*	07*	06	06	06	07*	06	19	06	06*	06	06*	07*	06	06	06	12*	
Feature Box			10*	10*	10*				10*				13*		13*	10*				15*	
VGA Module																					
IF Module																					
Different Modules	36												31	52	31						
Different Modules													32	53							
Different Modules													33	54							
Different Modules																					
Different Modules																					
Different Modules																					
Different Modules																					
Different Modules																					
Remote Control	02*	02*	17	17	17	02	02*	02*	02*	06	7/06	02*	23	31	24	02	02	02	02	02	
Remote Control	07*	06*					07*	07*	17*		02*	06*									
retrofitable																					
retrofitable																					
retrofitable																					
retrofitable																					
retrofitable																					
MI	00	00	98	98	98	99	00	00	98	00	00	00	99	01	99	98	99	99	99	99	99

*/**/•/••/•••/°/°°/# see page 2.16



Set	CUC																		
	7303	7303	7303	7303	7303	7303	7303	2003	2003	7303F	7303F	7303F	7303F	7303F	7303	7303	1830	Basic++	
Control Unit																			
CRT Panel	22	22	22	22	22	22	22	22	08	22	22	35	22	22	22	22		36	
Socket Board																		07	
EPG Board																			
Dyn. Focus,																			
Feature Box																		08	
Keyboard																		03	
Mains Switch Board																		11	
AF Module																			
East/West																			
PIP Module																			
Processor Board									07										
Processor Board																			
SAT Module									03										
Signal Module																		01*	
Signal Module																		03*	
Tuner	07*	06	06	06	12*	06	12*	06*	06*	07*	06	07*	07*	06	19	06	03*04*		
Feature Box	10*				15*		15*	08*	13*	10*		10*	10*				06*		
VGA Module																			
IF Module																			
Different Modules																		21*	
Different Modules																		22*	
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Different Modules																			
Remote Control	02	02	07	02*	02	02*	02	02	02	02	02	17	02	02	7/06	02*	16		
Remote Control			02*	07		07									02*	06*			
retrofitable																		14	
retrofitable																		19	
retrofitable																		08	
retrofitable																			
retrofitable																			
MI	98	99	00	00	99	00	99	98	99	98	00	98	98	99	00	00	00		

*/**/•/••/•••/°/°°/# see page 2.16

Set	CUC		TORONTO SE7215/8 (VNX)	TORONTO SE7216 DOLBY (VNM)	TORONTO SE7216/8 DOLBY (VNM)	TRENTO SE7026 PAL PLUS	WIEN 100 SE6320 IDTV/LOG	WIEN 100 SE6320 IDTV/LOG (VNX)	WIEN 100 SE6320 IDTV/LOG /ab 6/98	WIEN SE6340 DOLBY (VNM)	XENTIA 55 FLAT MF55-5101 FR/DOLBY (VNM)	XENTIA 55 FLAT MF55-5101 NIC/DOLBY (VNM)	XENTIA 55 M55-420/8 DOLBY (VNM)	XENTIA 55 ST55-400 Dolby (VNM)	XENTIA 55 ST55-400 FR/DOLBY (VNM)	XENTIA 55 ST55-400 NIC/Dolby (VNM)	XENTIA 55 ST55-405 DOLBY (VNM)	XENTIA 55 ST55-405/8 DOLBY (VNM)
	Basic++	1830																
Control Unit				30	30					30	36	33						
CRT Panel	36		36	49	49	33	26	26	36	49	56	56	49	08	38	08	52	52
Socket Board	07		07			12									15			
EPG Board																		
Dyn. Focus,																		
Feature Box	13/16		08	13/16	20	20	05	04	13/16	08	20		19					
Keyboard	03		03	03														
Mains Switch Board	11		11	11														
AF Module						20								29	30	30	29	30
East/West																		
PIP Module																		
Processor Board																	24	25
Processor Board																		
SAT Module																		
Signal Module	01*		04*	04*	15	16	02	01	01	01	15		16					
Signal Module	03*		06*	06*														
Tuner	03*/04•		03*/04•	03*/04•	17	17	03	03	03	03	17	06	06	17	06	06	06	06
Feature Box	06•		06•	06•														
VGA Module																		
IF Module																		
Different Modules	21*		21*	21*														
Different Modules	22*		22*	22*														
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Different Modules																		
Remote Control	16		16	16	26	26	15	15	15	15	26	07	07	27	07	02*	07	07
Remote Control															07*			
retrofitable	14		14	14	23	23					23	22	22	23	18	18	18	26
retrofitable	19		19	19	24	24					24			24				
retrofitable	08		08	08	25	25					25			25				
retrofitable																		
retrofitable																		
MI	01		00	01	01	01	97	97	01	98	01	01	01	01	00	00	00	01

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Set	CUC													
	1836	1836	1837	2030N	2130M	1934	1930	1930	1838	1838	1832	1832	1832	1832
XENTIA 63 M63-400/8 (VNIM)	Basic++	Basic++												
XENTIA 63 M63-400/8 (VNX)														
XENTIA 63 M63-420/8 DOLBY (VNIM)														
XENTIA 63 ST63-400/4 Dolby (VNIM)														
XENTIA 63 ST63-4101/8 DOLBY (VNIM)														
XENTIA 70 FLAT MFW70-430/8 DOLBY (VNIM)														
XENTIA 70 FLAT MFW70-490/8 GB/DOLBY (VNIM)	Basic 3													
XENTIA 70 FLAT MFW82-490/9 DOLBY (VNIM)	Basic 3													
XENTIA 72 FLAT MF72-430 DOLBY (VNIM)	DIGI 100													
XENTIA 72 FLAT MF72-430/8 DOLBY (VNIM)	DIGI 100													
XENTIA 72 FLAT MF72-490 DOLBY (VNA)	Basic 3													
XENTIA 72 FLAT MF72-490 DOLBY (VNIM)	Basic 3													
XENTIA 72 FLAT MF72-490/8 DOLBY (VNA)	Basic 3													
XENTIA 72 FLAT MF72-490/8 DOLBY (VNIM)	Basic 3													
Control Unit	19	19	30	22	40				34	34	27	18	27	18
CRT Panel	36	36	49	41	59	54	48	48	50/58	50/58	46	46	46	46
Socket Board					27	22	19	18						
EPG Board							01••	01			01*	01	01*	01
Dyn. Focus,						09	03	03	10/07	10/07	06	06	06	06
Feature Box	08	13/16	19			18	16	16	22	22	15	12	15	12
Keyboard														
Mains Switch Board							12	12						
AF Module					30		26	26			32	24/27*	26	26/27*
East/West					09/11•••									
PIP Module														
Processor Board					32		11/18*	11			11	08*	11	08*
Processor Board											18*	11*	18*	11*
SAT Module														
Signal Module	04	04	16			16	10	10	15	16	14		10	10
Signal Module	06°	06°												
Tuner	04	04	17	06	06	17	06	06	17	17	06	06	06	06
Feature Box	03/06•	03/06•												
VGA Module												03		03
IF Module														
Different Modules	21	21				51	46							
Different Modules							44	25			46	22	46	09
Different Modules								22					09	22
Different Modules								44						
Different Modules								09						
Different Modules														
Different Modules														
Different Modules														
Remote Control	12	12	27	07	34	30	14	14	30	30	14	14	14	14
Remote Control														
retrofitable	04	04	23			23	06	06	23	23	06	06	06	06
retrofitable	08	08	24			24	07	07	24	24	07	07	07	07
retrofitable	14	14	25			25	11	11	25	25	11	11	11	11
retrofitable														
retrofitable														
MI	99	01	01	00	01	01	01	00	01	01	00	99	00	99

*/**/•/••/•••/°/°°/# see page 2.16



Set	CUC								
	1832	1832	1832	1832	1838	1838	1935	1931	1931
	Basic 3	Basic 3	Basic 3	Basic 3			DIGI 100	Basic 3	Basic 3
	XENTIA 72 M72-400 DOLBY (VNM)	XENTIA 72 M72-400 DOLBY (VNX)	XENTIA 72 M72-400/8 DOLBY (VNM)	XENTIA 72 M72-400/8 DOLBY (VNX)	XENTIA 72 M72-420 DOLBY (VNM)	XENTIA 72 M72-420/8 DOLBY (VNM)	XENTIA 82 FLAT MFW82-430/8 DOLBY (VNM)	XENTIA 82 FLAT MFW82-490/9 DOLBY (VNM)	XENTIA 82 FLAT MFW82-490/9 GB/DOLBY (VNM)
Control Unit	18	27	18	27	30	30			
CRT Panel	44	44	44	44	49	49	50	48	48
Socket Board							22	18	19
EPG Board	01	01*	01	01*				01	01••
Dyn. Focus,							09	03	03
Feature Box	13	13	13	13	19	19	22	15	15
Keyboard									
Mains Switch Board								12	12
AF Module	24/27*	32	26/27*	26			33	28	28
East/West									
PIP Module									
Processor Board	10	10	10	10				11	11/18*
Processor Board		20*		20*					
SAT Module									
Signal Module	08	14	10	10	15	16	16	13	13
Signal Module									
Tuner	06	06	06	06	17	17	17	06	06
Feature Box									
VGA Module									
IF Module									
Different Modules	22	46	09	46			51		46
Different Modules			22	09				25	44
Different Modules								22	45
Different Modules								44	
Different Modules								09	
Different Modules									
Different Modules									
Different Modules									
Different Modules									
Remote Control	12	12	12	12	27	27	30	14	14
Remote Control									
retrofitable	06	06	06	06	23	23	23	06	06
retrofitable	07	07	07	07	24	24	24	07	07
retrofitable	11	11	11	11	25	25	25	11	11
retrofitable	15		15						
retrofitable									
MI	99	00	99	00	01	01	01	00	01

*/**/•/••/•••/°/°°/# see page 2.16

GRUNDIG Tele-Pilot® Remote Control Handsets/Overview - TV Product Range



Personal Remote 10
79642 061 1501



TP 100 C
79642 061 4102
29642 061 4600



TP 110 C
79642 061 4200
79642 061 4202



TP 120 DC
79642 061 0600



TP 140 C
29642 061 4800



TP 150 C
29642 066 0300
29642 066 0400



TP 711
29642 062 0100



TP 712
29642 063 0100



TP 713
29642 063 0400



TP 715 (*Hotel)
29642 062 1102
29642 062 4700
*29642 062 1600



TP 750 C
29642 062 1800
29642 062 1900
29642 062 5100
29642 062 5200
29642 062 5300



TP 771
29642 059 5100

TV



TP 800 (*Hotel)
29642 061 0104
*29642 061 0800
*29642 061 1900



TP 810 C
29642 061 1001



TP 815 C
29642 061 1400



TP 850 C
29642 061 0901



TP 900
29642 061 1103



TP 910 C
29642 061 1201



TP 912 C
29642 061 3300



TV Control 1
72011 601 0000



TV Control 2
72011 602 0000

TV

Service and Special Functions Digi 100

Call up the Service Menu:

Button "i" (EASY DIALOG)

Call up the dialogue line:

Buttons "P+" or "P-" -> "OK"

Changing the setting in the dialogue line:

Buttons "L+" or "L-" -> "OK"

Back to previous menu:

"Blue" button

Exit menu:

"i" button

Service menu for retailer (code number)

8500

ATS Reset

Press mains button "ON" while holding down the "L+" button on the TV set.

ATS Start

Start the Auto Tuning System via "Adjust language on screen" -> "Adjust country" -> Satellite (optional).

A pressure on the "OK" button ends the AT search. The ATS bit is not reset.

Resetting the ATS bit without changing the existing channel table:

After ending the channel search with "OK", select channel entry in the channel table, enter the indicated channel again then confirm with "OK".

After storing this setting, the ATS bit is reset.

Electronic Programme Lock (parental lock)

Enter the key sequence "7 0 3 8 5 8 0" to cancel your personal code number.

Software Version Number

Call up the "EASY DIALOG" menu. Pressing the "green" button indicates the software version number.

Flash Programming

It is possible to load the software via the service interface on the Feature Module using the F-Programmer 1.

PIP Position

Press and hold down the "PIP" button on the remote control while switching the set on with the mains switch. This activates the PIP mode.

Adjust the horizontal and vertical position.

Using the Format button, you can change the upper right/left and bottom right/left PIP position.

Press "OK" to save the position.

I²C Bus, IC Test

In this fault finding programme, the CIC80050 processor scans the individual modules or circuits connected to the I²C bus and indicates them as countable flashing sequence on the LED of of keyboard control unit.

Press and hold down "P+" on the TV set and switch the TV set on with the mains button.

The number of flashing pulses indicates the defective module according to the table.

With the "L+" button on the TV set it is possible to find out further defective interfaces.

Entry of Letters

Call up the "Letter entry" menu via "EASY DIALOG" -> "Installation" -> "Special functions".

You may select between "off", "on" and "mix" for the programme selection letter entry.

Visible or Invisible "Sound scale" for all Programmes

Call up the "Sound scale" menu via "EASY DIALOG" -> "Installation" -> "Special functions".

Switching on with Programme "1", or automatically

Call up the "Switching on" menu via "EASY DIALOG" -> "Installation" -> "Special functions".

Set the option "Programme position 1" or "automatic".

"Megalogic Info"

Call up the "Megalogic Info" menu via "EASY DIALOG" -> "Installation" -> "Special functions".

The Megalogic control can be switched to "on" or "off".

Status Indication

Call up the "Status indication" menu via "EASY DIALOG" -> "Installation" -> "Special functions".

You may select the position (top, bottom or off) where the information about the sound mode and the picture format is displayed.

Automatic Volume

Call up the "Autom.volume" menu via "EASY DIALOG" -> "Installation" -> "Special functions".

Noise Reduction P1...99 or P1...199

Call up the "Noise reduction P. 1...99" menu via "EASY DIALOG" -> "Installation" -> "Special functions". For the programmes 1...99 or 1...199 you may set the noise reduction to "off", "low", "automatic" or "manual".

Picture Sharpness P1...99 or P1...199

Call up the "Picture sharpness" menu via "EASY DIALOG" -> "Installation" -> "Special functions".

The picture sharpness is set for all programmes.

Colour Match

Call up the "Colour match" menu via "EASY DIALOG" -> "Installation" -> "Special functions".

The colour match (luma delay) is set for every programme.

On sets with PIP module, the colour match for the PIP picture can be set individually.

Rotation

Call up the "Rotation" menu via "EASY DIALOG" -> "Installation" -> "Special functions".

Adjust the display angle of the picture with respect to the picture to zero.

Format Switching with Evaluation of the Switching Voltage

Depending on the voltage present on Pin 8 of the active EURO-AV socket, the set adjusts the picture format. In AV mode, the picture format switching is active for the AV socket (AV 1, AV 2, AV 3).

Picture Screen Geometry

Call up the "Picture screen geometry" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> "8500".

White Balance

Call up the "White balance" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> "8500" -> "Picture settings".

Adjust the values for "red", "green" and "blue" so that a white picture is obtained.

Switching the Blue Screen Background On and Off

Call up the "Blue screen" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> "8500" -> "Picture settings".

Select "on" or "off".

Watchdog On/Off

Call up the "Watchdog" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> "8500" -> "Special functions".

Set the Watchdog to "off" or "on".

IR Data Programmer

Call up the "IR-Data programmer" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> "8500" -> "Special functions". Using the "OK" button, it is possible to store up to 99 programme positions with data for channel, TV standard, Peri, 6-position station name, centre fine tuning, and "0" volume offset, with the help of the IR data programmer.

Picture Tube Type

Call up the "Picture tube type" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> Code number "8500" -> "Special functions".

Select the appropriate picture tube type.

Hosiden Socket

Call up the "Hosiden socket" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> Code number "8500" -> "Special functions".

Select "yes" or "no".

Subwoofer

Call up the "Subwoofer" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> Code number "8500" -> "Special functions".

Select "yes" or "no".

AGC Setting

Feed in a standard channel raster without finetuning in band 1.

Call up the "AGC setting" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> Code number "8500" -> "Special functions".

Clearing the TV-Guide Flash

Call up the "Clear TV-Guide Flash" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> Code number "8500" -> "Special functions".

Pressing the "OK" button will clear the TV-Guide Flash.

Teletext Level 2.5 Support

Call up the "Teletext Level 2.5" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> Code number "8500" -> "Special functions".

Select "yes" or "no".

IF Type

Call up the "IF type" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> Code number "8500" -> "Special functions".

After replacing the NVM on the Signal module, it is necessary to adjust the IF type:

Inland sets:	Inland
Multi-8 sets:	Multi 8
Multi-9 sets:	Multi 9

SAT Preprogramming

Call up the "SAT preprogramming" menu via "EASY DIALOG" -> "Installation" -> "Only for the retailer" -> Code number "8500" -> "Special functions".

Press "OK" for confirmation.

Sound Settings

Press the "blue" button to call up the "Sound settings" menu.

The settings "Voice", "Music", or manual can be selected in the "Presettings" menu.

The "manual" setting allows you to adjust the sound to suit your taste. For the other settings, specific values are preprogrammed.

Picture Settings

Press the "red" button to call up the "Picture settings" menu.

In the "Presettings" menu, the settings "During the day", "In the evening", and "manual" can be selected.

With the "manual" option, you may set the contrast and the picture sharpness. For the other settings, specific values are preprogrammed.

Forced Settings in Programme Mode

Call up the "Sound channel" menu via "EASY DIALOG" -> "Programme chart" -> "green" button -> "Change channel settings".

You may select between "autom.", "Mono", "Mono B" and "Mono C".

Mono B = Original sound track

Mono C = For digital sound reception (Nicom).

Service and Special Functions CUC 2000

ATS Reset

Press the power "ON" button while pressing button ► on the Remote Control → LANGUAGE SELECTION → OK.
Pressing the "TXT" button stops the ATS function.

Loading the Average Values / Emergency Data Set (ROM Data)

Press and hold the ▼ button on the Remote Control and switch on with the mains button. After replacement of IC82005 (NVM) for example, the TV set is started with the emergency data set.

Cancelling the Parental Lock

To cancel the parental lock enter the number 7038.

Switching on with Programme "1" or "AV"

Reach "TV on with" menu with button "i" via "DIALOG CENTER" → "SPECIAL FUNCTIONS". In "AV1" position the TV starts showing the AV picture.

Picture/Sound Options On or Off for all Programmes

Reach the "Pict./sound opt." menu via "DIALOG CENTER" → "SPECIAL FUNCTIONS" by pressing button "i".

Automatic Volume Limiter

Reach the "Volume Limiter" dialog via "DIALOG CENTER" → "SPECIAL FUNCTIONS" by pressing button "i".

Decoder Settings for Individual Programme Positions

By pressing button "i" call up the "Decoder Pxx" dialog via "DIALOG CENTER" → "SPECIAL FUNCTIONS". With the ► or ◀ button it is possible to set the decoder bit on a per-programme basis.

Activating or Deactivating the Economy Mains Switch

Reach the "Economy mains switch" menu with button "i" via "DIALOG CENTER" → "SPECIAL FUNCTIONS". With the ► or ◀ button select "1h...3h".

Picture Settings

Call up the picture settings menu with the "red" button (eye). Via the menu guide it is possible to change the contrast, picture sharpness and tint (only NTSC sources).

The analog values for contrast, picture sharpness and tint are stored automatically when leaving the menu.

Sound Switching:

Call up the sound settings menu with the "blue" button (ear). Different types of sounds are available dependent on the TV standard.

The forced-mono, balance, bass, treble and similar values are stored automatically when leaving the menu.

Headphone Sound Switching

Call up the sound settings menu with the "blue" button. Dependent on the TV standard, different settings are possible for the headphones.

With all other options, separate selection of the sound for the headphones and loudspeakers is not possible.

Maximum Programme Number (reversing point)

Call up the programme number which is to be the highest selectable programme position. With button "i" select the dialog line "MANUAL TUNING" via the "DIALOG CENTER". Following the menu guide, enter "00" in the dialog line. Confirm with "OK" and terminate the menu.

AFC Control

The two used programme positions before the reversing point are provided with an AFC control (video recorder via HF).

Decoder P1...99 (90° sets)

By pressing button "i" call up the dialog line "Decoder (P1-99)" via "DIALOG CENTER" → "SERVICE". With the ► or ◀ button it is possible to set or reset the decoder bit in the EEPROM for all programme positions.

Decoder P1...79 (110° sets)

By pressing button "i" call up the dialog line "Decoder (P1-79)" via "DIALOG CENTER" → "SERVICE". With the ► ◀ buttons it is possible to set an analog or digital decoder to be switched over internally or externally on the programme positions 1...79 for scrambled stations.

Possible decoder settings are: "Manual", "off", "ON1", "ON2", "ON3".

With the "Manual" setting it is possible to select the decoder switching function to be "off" or "ON" for the individual programme positions.

Forced Chroma Switching

Call up the dialog line "Color" via "DIALOG CENTER" → "SERVICE" with button "i". With the buttons ► ◀ it is possible to force the automatic chroma standard switching function into "PAL", "SECAM" or "NTSC" on a per-programme basis under poor reception conditions.

Switching off the Blue Screen Background

Call up the dialog line "Blue Screen" via "DIALOG CENTER" → "SERVICE" with button "i". When this function is set to "off" the blue background is switched off.

Black Screen when Changing the Programme

Call up the dialog line "Black Screen" via "DIALOG CENTER" → "SERVICE" with button "i". When this function is set to "on" the screen is blanked when changing the programme.

Display of the Station Name On or Off

The station ident is read out from VT (teletext) or the VPS signal.

Call up the dialog line "Station name" via "DIALOG CENTER" → "SERVICE" with button "i". With this function set to "off" it is possible to avoid the station name being displayed on the screen for a short time when changing the programme.

Group Delay Time / Setting the National Standards

Call up the dialog line "B/G FM 5.5 NIC" via "DIALOG CENTER" → "SERVICE" with button "i". Select the standard corresponding to the country where the set is operated.

IDP2

Call up the dialog line "IDP2 HP" via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" with button "i". The characters change to red.

Service Menu

Call up the Service Menu with button "i" via "DIALOG CENTER" → "SERVICE" → Service Code. Having entered the code number "8500" the dealer can change the settings under menu guide.

OSD Position

Call up the dialog line "OSD" with button "i" via "DIALOG CENTER" → "SERVICE" → Service Code "8500".

With the ► ◀ buttons it is possible to shift the on screen display in the horizontal or vertical direction and to store this position "with mem."

Activating the Hotel Mode

Call up the dialog line "Hotel" with button "i" via "DIALOG CENTER" → "SERVICE" → Service Code "8500".

Deactivating the Hotel Mode

Depress and hold button "i" on the remote control handset while switching the TV set on with the mains switch. Under the "SERVICE" menu switch the Hotel Mode off.

Deactivating the Protection Circuit

Depress and hold button "i" on the remote control handset while switching the TV set on with the mains switch. As long as the Service Menu is displayed the protection circuit of the TV set is not evaluated on video processor IC34015-(50).

Setting the Analog Values

The analog values are stored automatically: after about 8 seconds, on switching to Standby mode, on switching over from TV to AV mode, on changing the individual AV settings.

Having stored the minimum volume level the volume indicator bar is displayed for about 10 seconds when switching the TV receiver on.

With "AUX" → "OK" it is possible to re-set the optimum values for picture and sound.

The optimum values are read out from EEPROM IC82005.

Service and Special Functions CUC 2100

ATS Reset

Press the power "ON" button while pressing button "L+" on the Remote Control → LANGUAGE SELECTION → "OK". Pressing the "TXT" button stops the ATS function.

Loading the Average Values / Emergency Data Set (ROM Data)

Press and hold the "P-" button on the Remote Control and switch on with the mains button. After replacement of CIC82501 (NVM) for example, the TV set is started with the emergency data set.

Cancelling the Parental Lock Continuously

To cancel the parental lock enter the number 7038.

EPROM Version Number

With the Remote Control "0" setting in the menu for the specialized dealer (TP750):

Press button "i" to call up the "Dialog Center" → OK. Button "AUX" shows the version number of the EPROM.

With the Remote Control "1" setting in the menu for the specialized dealer (TP150C):

Press button "i" to call up the "Dialog Center". Button "AUX" shows the version number of the EPROM.

Switching on with the Last Viewed Programme.

The channel position which has been selected when switching off is recovered when switching on again (last station memory).

Activating or Deactivating the Economy Mains Switch (option)

Reach the "Economy mains switch" menu with button "i" via "Dialog Center" → "Special functions". With the buttons ► ◀ select "1h...3h".

Sound Scale or Picture/Sound Settings

With the Remote Control "1" setting in the menu for the specialized dealer (TP150C):

Reach the "Sound scale" menu with button "i" via "Dialog Center" → "Special functions".

With the Remote Control "0" setting in the menu for the specialized dealer (TP750):

Reach the "Picture/Sound settings" menu with button "i" via "Dialog Center" → "Special functions".

Automatic Volume Control (option)

Reach the "Volume Limiter" dialog via "Dialog Center" → "Special functions" by pressing button "i".

With the "Dolby Surround" setting in the Sound menu, this function is deactivated.

Picture Settings

Call up the picture settings menu with the "red" button (eye). Via the menu guide it is possible to change the Brightness, Color, Contrast, Sharpness, Perfect Clear and tint (only NTSC sources).

The analog values for contrast, picture sharpness and tint are stored automatically when leaving the menu.

Sound Switching:

Call up the sound settings menu with the "blue" button (ear). Different types of sounds are available dependent on the TV standard.

The forced-mono, balance, bass, treble and similar values are stored automatically when leaving the menu.

Headphone Sound Switching

Call up the sound settings menu with the "blue" button. Dependent on the TV standard, different settings are possible for the headphones.

Maximum Programme Number

Call up the programme number which is to be the highest selectable programme position. With button "i" select the dialog line "MANUAL TUNING" via the "DIALOG CENTER". Following the menu guide, enter "C 00" in the dialog line channel. Confirm with "OK" and terminate the menu.

Factory Settings

Press the "i" button to select the "Factory settings" dialog line via "Dialog Center" → "Service".

Use the "OK" button on the remote control to call up the factory settings (NVM) and to store them.

Forced Chroma Switching

Call up the dialog line "Color" via "Dialog Center" → "Service" with button "i". With the buttons ◀ ► it is possible to force the automatic chroma standard switching function into "PAL", "SECAM" or "NTSC 3.6" or "NTSC 4.4" on a per-programme basis under poor reception conditions.

IR Data Programmer

Call up the dialog line "IDP2 HP" via "Dialog Center" → "Service" with button "i".

Using the "OK" button, it is possible to store up to 99 programme positions with data for channel, TV standard, Peri, 6-position station name, centre fine tuning, and "0" volume offset, with the help of the IR data programmer 2.

Decoder P1...99

By pressing button "i" call up the dialog line "Decoder (P1-99)" via "DIALOG CENTER" → "SERVICE". With the ► ◀ buttons it is possible to set an analog or digital decoder to be switched over internally or externally on the programme positions 1...99 for scrambled stations.

Service Menu

Call up the Service Menu with button "i" via "Dialog Center" → "Service" → Service Code.

Having entered the code number "8500" the dealer can change the settings under menu guide.

OSD Position

Call up the dialog line "OSD" with button "i" via "Dialog Center" → "Service" → Service Code "8500".

With the ◀ ► buttons it is possible to shift the on screen display in the horizontal or vertical direction and to store this position "with mem."

Activating the Hotel Mode

Call up the dialog line "Hotel" with button **i** via "Dialog Center" → "Service" → Service Code "8500".

Deactivating the Hotel Mode

Press and hold button **i** on the remote control handset while switching the TV set on with the mains switch. Under the "Service" menu switch the Hotel Mode off.

Remote Control

Call up the dialog line "Remote cont." with button **i** via "Dialog Center" → "Service" → Service Code "8500".

TP 150C (36kHz) = "1"

TP 750 (30kHz) = "0"

Luminosity of the Operating Mode LED

Call up the dialog line "End" with button **i** via "Dialog Center" → "Service" → Service Code "8500".

Use the **red** (minus) and **green** (plus) buttons on the remote control to adjust the LED luminosity in normal operating mode.

Use the **yellow** (minus) and **blue** (plus) buttons on the remote control to adjust the LED luminosity in standby mode.

Deactivating the Protection Circuit

- Horizontal and vertical protection circuit: connect the basis and emitter at CT50055.
 - Horizontal protection circuit: connect the basis and collector at CT57113.
 - Vertical protection circuit: to short out C50052.
- Attention: When the repair is completed, it is absolutely necessary to activate the overload protection circuits.

Service and Special Functions Digi 6

ATS Reset and Demo Mode

Press and hold button "L+" on the TV and switch the mains button "ON".

1x mains on: Demo Mode is activated. Short-time deactivation is possible with "P-" and reactivation with "P+".

2x mains on: Demo Mode ("Demo off") is switched off and ATS is activated (indication "ATS Reset" appears).

Pressing the "TXT" button stops the ATS function without storing any data.

Initialising the Processor

By connecting pin 10 and pin 12 of the Scart socket after replacement of the processor, the internal EEPROM is loaded thus initialising the processor.

Loading the Average Values / Emergency Data Set (ROM Data)

This is only possible once on replacement of the NVM or μ P.

By pressing and holding the "P-" button on the TV and switching on with the mains button after replacement of IC87080 (NVM) the TV set is started with the emergency data set.

Service Mode Programme (for fault finding in the I²C bus)

Press and hold the "P+" button on the TV set and switch on with the mains button.

The "L+" button on the TV set allows to discover other potentially defective interfaces. If there are no other defective interfaces the software tries to start the TV set.

SAT Module Programmierung

Press and hold the "i" button on the remote control and switch the TV on with the mains switch. Consequently, on replacement of the EEPROM on the SAT Module for example, the stored station table is read out from EPROM IC87030.

PIP Adjustment

Press and hold the "PIP" button on the remote control and switch the TV on with the mains switch. In doing so, with built-in PIP Module, the PIP Adjustment Mode is called up. Using the \blacktriangleright \blacktriangleleft \blacktriangledown \blacktriangleup buttons the PIP position can be changed via the menu and stored with "OK".

Cancelling the Parental Lock

To cancel your personal code number press the buttons \blacktriangleright \blacktriangleleft \blacktriangledown \blacktriangleup in this order.

EPROM Version Number

Press button "i" to call up the "DIALOGCENTER" menu. The version number is shown by pressing the "AUX" button. The index 07 of the part number (19798-311.07) indicates the EPROM version.

Activating or Disactivating the Economy Mains Switch

Reach the "Economy mains switch" menu with button "i" via "DIALOGCENTER" \rightarrow "SPECIAL FUNCTIONS". With the buttons \blacktriangleright \blacktriangleleft select "off" or "1h...4h".

Switching on with Programme "1" or "AV"

Reach "Switch on with" menu with button "i" via "DIALOGCENTER" \rightarrow "SPECIAL FUNCTIONS". With the buttons \blacktriangleright \blacktriangleleft select "Prog" or "AV".

Picture/Sound Options On or Off for all Programmes

Reach the "Pict./sound scales" menu via "DIALOGCENTER" \rightarrow "SPECIAL FUNCTIONS" by pressing button "i".

"Megalogic-Info"

Reach the "Megalogic-Info" menu via "DIALOGCENTER" \rightarrow "SPECIAL FUNCTIONS" by pressing button "i".

Switching off the Blue Screen Background

Reach "Only for the retailer" via "DIALOGCENTER" \rightarrow "SERVICE" \rightarrow Code Number 8500 pressing button "i". Press the "yellow" button.

Colour Match for Normal and PIP picture

Reach the "Colour match" menu via "DIALOGCENTER" \rightarrow "SERVICE" pressing button "i". With the buttons \blacktriangleright \blacktriangleleft the luma delay is set on a per-programme basis.

COLORplus-Menü

Reach the "COLORplus" menu via "DIALOGCENTER" \rightarrow "SERVICE" pressing button "i". Use the \blacktriangleright \blacktriangleleft buttons to change the COLORplus identification to "Off" or "Auto".

Blackline Detector

Reach the "Blackline-Detect." menu via "DIALOGCENTER" \rightarrow "SERVICE" pressing the "i" button. Use the \blacktriangleright \blacktriangleleft buttons to set "Blackline-Detect." to "Off" or "Auto".

PALplus Menu

Call up the "PALplus-Menu" with button "i" via "DIALOGCENTER" \rightarrow "SERVICE" \rightarrow "Only for the retailer". The buttons \blacktriangleright \blacktriangleleft \blacktriangledown \blacktriangleup allow to change the PALplus-Menu only temporarily. PALplus receivers are delivered with "On" as a standard setting.

Noise Reduction P1...99 or 1...179

Reach the "Noise reduct." menu via "DIALOGCENTER" \rightarrow "SERVICE" pressing button "i". With the buttons \blacktriangleright \blacktriangleleft the noise reduction can be set to "Off", "weak", or "Auto" for all of the programmes 1...99 or 1...179 (with SAT module).

Decoder P1...99 or 1...179

Call up the "Decoder" menu with the "i" button via "DIALOGCENTER" \rightarrow "SERVICE". With the buttons \blacktriangleright \blacktriangleleft it is possible to switch the decoder to "Off" or "On" for all programmes.

Decoder P X for Coded Transmissions

Call up the "Decoder Sound P." menu with button "i" via "DIALOGCENTER" \rightarrow "SERVICE". With the \blacktriangleright \blacktriangleleft buttons it is possible to set an analog or digital decoder for coded transmissions to internal or external on a per-programme basis.

Service AV Connections

Call up the "Service AV connections." menu with button "i" via "DIALOGCENTER" -> "SERVICE". With the ► ◀ and ▲ ▼ buttons it is possible to switch over the signal type according to the menu guide.

With the ► ◀ buttons the decoder priority can be changed to "low", "high" or "Off".

Automatic Presentation

Call up the "Automatic presentation" menu with button "i" via "DIALOGCENTER" -> "SERVICE ". Start the automatic presentation of the TV set with the "OK" button. Switch the TV set off with the mains button or the local "P+" or "P-" button. Deactivate with ATS Reset 1.1.

IR Data Programmer

Reach the "IR-Dataprogrammer" menu via "DIALOGCENTER" -> "SERVICE" pressing button "i". The IR Data Programmer 2 makes it possible to store a maximum of 99 programme positions with the data for channel, TV standard, Peri, 4-place station identification, fine tuning center frequency, and the volume offset "0" using the "OK" button.

Switching on with the Test Pattern or TV Mode

Call up the menu "Switch on with test pattern or TV", with the "i" button via "DIALOGCENTER" -> "SERVICE".

Only for the Retailer

Call up the menu "Only for the retailer" with the "i" button via "DIALOGCENTER" -> "SERVICE" and confirm with the "OK" button. When entering the code number "8500" the dealer can adjust the TV set according to the menu.

Sound Switching

Call up the "SOUND SETTINGS" menu with the "blue" button. Different types of "Sound" are available dependent on the TV standard.

Headphone Sound Switching

Call up the "SOUND SETTINGS" menu with the "blue" button. Dependent on the TV standard, different settings are possible under "HP-sound change over".

Setting the Volume on a Per-Programme Basis

Call up the "SOUND SETTINGS" menu with the "blue" button. The volume can be set for each individual programme position with "Volume P ." (volume offset).

Sound Effects Pro Logic Phantom

Call up the "SOUND SETTINGS" menu with the "blue" button.

Under "Sound effects" different Dolby sound effects and loudspeaker settings can be selected with the buttons ► ◀ and ▲ ▼ via the menu.

Basic Picture Settings

Call up the "PICTURE SETTINGS" menu with the "red" button. Via the menu guide, the following options can be selected: "Personal", "During the day", "In the evening" and "Soft".

Picture Sharpness

Call up the "PICTURE SETTINGS" menu with the "red" button and select "Sharpness P."

The picture sharpness can be changed in three steps with the ► ◀ buttons.

Perfect Clear

With the "red" button call up the "PICTURE SETTINGS" menu and select "Perfect Clear".

With the ► ◀ buttons this function can be switched on or off.

Comb Filter

Call up the "PICTURE SETTINGS" menu with the "red" button and select "Comb filter".

The comb filter can be set to "Off" or "Auto" on each programme position using the ► ◀ buttons.

Line Flicker Reduction

Call up the "PICTURE SETTINGS" menu with the "red" button and select "Line flicker reduct.".

With the ► ◀ buttons the setting can be changed to "Off" or "Auto".

Noise Reduction P . (on individual programme positions)

With the "red" button call up the "PICTURE SETTINGS" menu and select "Noise reduct.".

With the ► ◀ buttons it is possible to select the settings "Off", "Auto", "High!" and "weak" for each individual programme position. The µP stores the settings "Off", "weak" and "Auto" when leaving the menu. The option "High!" can be selected only temporarily.

Maximum Programme Number (reversing point)

Call up the "TV-PROGRAMME-CHART" menu via "DIALOGCENTER" pressing the "i" button.

When entering the channel number "00" on any programme position of the TV programme chart and entering "00", programme selection with the buttons ▲ ▼ is limited to the numbers lower than this position.

Settings via the Station Ident

Call up the "TV-PROGRAMME-CHART" menu via "DIALOGCENTER" -> "OK" using button "i" and activate the desired TV station.

The forced operating modes for the individual programme positions must be entered into the last 3 places of the station identification beginning with a comma so that the first three places "X" are still left for the actual station identification.

Forced Settings in AV Mode (AV1...AV4)

Press the "i" button to call up the "TV-PROGRAMME-CHART" menu via "DIALOGCENTER". Select the AV level with button ◀, call up the desired AV programme and activate with the "blue" button.

Setting the Analog Values

State of delivery is after execution of ATS (optimum value).

When exceeding the minimum possible analog values (maximum value is 63), the optimum value is initialised when switching the TV on or changing from RF -> AV.

Changing the Picture Format

The picture format can be switched over with remote control button "E" in dependence of the size of the picture tube. PALplus appears only if it was previously identified automatically.

In "auto" mode, the format is automatical changed accordingly with every change of the status in dependence of the transmitter information (WSS).

Service and Special Functions Digi Basic, Digi Basic +

ATS Reset

Press and hold button "L+" on the TV and switch the mains button "ON".

ATS Start

In the menu → "Adjust language on screen" → "Adjust country" → press the "OK" button, the Auto Tuning System (ATS) starts.

Pressing the "TXT" button stops the ATS function without storing any data.

Loading the Average Values / Emergency Data Set (ROM Data)

This is only possible once on replacement of the NVM or µP.

After replacement of IC80065/IC80070 (NVM) the TV must be started with the emergency data set.

Press and hold the "P-" button on the TV and switch on with the mains button.

Service Mode Programme

These error messages refer only to interferences in the I²C bus, that is to those modules or integrated circuits which do not return an Acknowledge bit via the I²C bus, for example to indicate that there is no operating voltage present on the module, that there is a break in the circuit path or that the I²C interface is defective.

Parental Lock (electronic programme lock)

To cancel your personal code number press the buttons ► ◀ ▼ ▲ in this order.

EPROM Version Number

Press button "i" to call up the "Dialog Center" → OK. The version number is shown by pressing the "AUX" button. The index 01 of the part number (19798-300.01) indicates the EPROM version.

Activating or Disactivating the Mains Economy Switch

Reach the "Mains economy sw." menu with button "i" via "Dialog Center" → "Special functions". With the buttons ► ◀ select "off" or "1h...4h".

Switching on with Programme "1" or "AV"

Reach "Switch on with" menu with button "i" via "Dialog Center" → "Special functions". With the buttons ► ◀ select "Progr" or "AV".

Picture/Sound Options On or Off for all Programmes

Reach this menu via "Dialog Center" → "Special Functions" by pressing button "i". When selecting "off" the scales indicating the analog values do not appear.

Switch off blue background of screen

Reach the "for authorised dealer" menu via "Dialog Center" → "Service" → Code Number 8500 pressing button "i". Press "yellow" button. After switching over the programme, the blue background is switched off.

Colour Match

Reach the "Colour match" menu via "Dialog Center" → "Service" pressing button "i". With the buttons ► ◀ the luma delay is set on a per-programme basis.

Noise Reduction

Reach the "Noise reduct." menu via "Dialog Center" → "Service" pressing button "i". With the buttons ► ◀ the noise reduction can be set to "Off" or "Auto" for all of the programmes 1...99.

IR Data Programmer

Reach the "IR-Dataprogrammer" menu via "Dialog Center" → "Service" pressing button "i". The IR Data Programmer 2 makes it possible to store a maximum of 99 programme positions with the data for channel, TV standard, Peri, 4-place station identification, fine tuning center frequency, and the volume offset "0" using the "OK" button.

AFC Reference

Tune to a station in band I with standardized channel raster and without fine tuning. Reach the "AFC reference" menu via "Dialog Center" → "Service" → "for authorised dealer" → Code Number 8500 pressing button "i". On pressing the "OK" button the automatically determined AFC value is indicated.

White Balance

Reach the "White bal." menu via "Dialog Center" → "Service" → "for authorised dealer" → Code Number 8500 pressing button "i". The values for "green" and "blue" can be adjusted with the ► ◀ buttons.

Bottom Flutter Gate

Reach the "Bottom flutter gate" menu via "Dialog Center" → "Service" → "for authorised dealer" → Code Number 8500 pressing button "i". The value can be changed in 3 steps.

Type of Picture Tube

Via "Dialog Center" → "Service" → "for authorised dealer" → Code Number 8500 → "Tube type", the type of tube is set in the factory.

RGB Synchronising Level

Reach the "RGB-Sync. level" menu via "Dialog Center" → "Service" → "for authorised dealer" → Code Number 8500 pressing button "i". You can select the RGB sync level to be "on" or "off" in RGB mode.

Geometry

Reach the "Geometry" menu via "Dialog Center" → "Service" → "for authorised dealer" → Code Number 8500 pressing button "i". Adjust the picture geometry with the geometry test pattern.

Sound Switching:

Call up the "Sound settings" menu with the "blue" button. Different types of "Sound" are available dependent on the standard.

Headphone Sound Switching

Call up the "Sound settings" menu with the "blue" button. Dependent on the TV standard, different settings for the "Headphones" are possible.

Setting the Volume on a Per-Programme Basis

Call up the "Sound settings" menu with the "blue" button. The volume can be set for each individual programme position with "Volume P X".

Basic Picture Settings

Call up the "Picture settings" menu. Via the user's guide, the following options can be selected: "Personal", "During the day", "In the evening" and "Soft".

Perfect Clear

With the "red" button call up the "Picture settings" menu and select "Perfect Clear".

With the ► ◀ buttons this function can be switched on or off.

Noise Reduction

With the "red" button call up the "Picture settings" menu and select "Noise reduct.".

With the ► ◀ buttons it is possible to select the settings "Off", "Auto", and "High!". The μ P stores the settings "Off" and "Auto" for the individual programme position when leaving the menu. The option "High!" can be selected only temporarily.

Maximum Programme Number (reversing point)

Call up the "TV-Programme-Chart" menu via "Dialog Center" pressing the "i" button.

When entering the channel number "00" on any programme position by pressing the "P/C" button and entering "00", programme selection with the buttons ▲ ▼ is limited to the numbers lower than this position.

Settings via the Station Ident

Call up the "TV-Programme-Chart" menu via "Dialog Center" using button "i" and activate the desired TV station.

The forced operating modes for the individual programme positions must be entered in to the last 3 places of the station identification beginning with a comma so that only one place "X" is left for the actual station identification.

Forced Settings in AV Mode (AV1...AV3)

Press the "i" button to call up the "TV-Programme-Chart" menu via "Dialog Center". Move the yellow bar to "AV", select the desired AV level and activate with the "blue" button.

Setting the Analog Values

When exceeding the minimum possible analog values (maximum value is 63), the optimum value is initialised when switching the TV on or changing from RF → AV.

Service and Special Functions Digi Basic ++

ATS Reset

Press and hold button "L+" on the TV and switch the mains button "ON".

ATS Start

In the menu → "Adjust language on screen" → "Adjust country" → press the "OK" button, the Auto Tuning System (ATS) starts.

Pressing the "TXT" or "i" button stops the ATS function.

Loading the Average Values / Emergency Data Set (ROM Data)

This is only possible once on replacement of the NVM or µP.

After replacement of IC80065/IC80070 (NVM) the TV must be started with the emergency data set.

Press and hold the "P-" button on the TV and switch on with the mains button.

Resetting Volume Offsets

Depress and hold the "AUX" button on the remote control handset and switch on with the mains button. All volume offsets are reset to "0".

Calling up the SERVICE Menu "for authorised dealer"

Depress and hold the "i" button on the remote control handset and switch on with the mains button. With this menu it is possible for the dealer to adjust the television receiver.

Parental Lock (electronic programme lock)

To cancel your personal code number enter "7 0 3 8" in this order.

EPROM Version Number

Press button "i" to call up the "DIALOG CENTER" → OK. Button "AUX" shows the version number of the EPROM.

PIP Position

Depress and hold the "PIP" button on the remote control handset and switch on with the mains button to call up the PIP Mode. Following the menu guide the PIP position can be changed with the buttons ► ◀ ▼ ▲ and stored with "OK".

Activating or Deactivating the Mains Economy Switch

Reach the "Mains economy sw." menu with button "i" via "DIALOG CENTER" → "SPECIAL FUNCTIONS". With the buttons ► ◀ select "off" or "1h...4h".

Switching on with Programme "1" or "AV"

Reach the "Switch on with" menu with button "i" via "DIALOG CENTER" → "SPECIAL FUNCTIONS". With the buttons ► ◀ select "Progr" or "AV".

Picture/Sound Options On or Off for all Programmes

Reach this menu via "DIALOG CENTER" → "SPECIAL FUNCTIONS" by pressing button "i".

"Megalogic Info"

Reach the "MEGALOGIC Info" menu via "DIALOG CENTER" → "SPECIAL FUNCTIONS" by pressing button "i". With the buttons ► ◀ the Megalogic control can be switched on or off.

"Timer function"

Appears only if a SAT module is identified in the television receiver.

Reach this menu via "DIALOG CENTER" → "SPECIAL FUNCTIONS" by pressing button "i".

AVL (Automatic Volume Limiter)

The indication "Automatic Volume Limiter" appears only if the MSP3410D (IC32300) with AVL function is identified in the set.

Colour Match

Reach the "Colour match" menu via "DIALOG CENTER" → "SERVICE" pressing button "i". With the buttons ► ◀ the luma delay is set on a per-programme basis.

If a PIP Module is retrofitted, select the PIP programme.

Noise Reduction P1...99 or 1...179

Reach the "Noise reduct." menu via "DIALOG CENTER" → "SERVICE" pressing button "i". With the buttons ► ◀ the noise reduction can be set to "off", "weak", "auto" or "manual" for all of the programmes 1...99 or 1...179.

Decoder P1...99 or 1...179

Call up the "Decoder" menu via "DIALOG CENTER" → "SERVICE" with button "i". With the buttons ► ◀ it is possible to switch the decoder "off" or "on" for all programmes.

Picture Sharpness

Call up the "Picture Sharpness" menu with button "i". With the buttons ► ◀ it is possible to adjust the picture sharpness in three steps for all programmes.

Decoder P. for Coded Transmissions

Call up the "Decoder Sound P." menu with button "i" via "DIALOG CENTER" → "SERVICE". With the buttons ► ◀ it is possible to set an analog or digital decoder for scrambled transmissions to internal or external switch-over on a per-programme basis.

IR Data Programmer

Reach the "IR-Dataprogrammer" menu via "DIALOG CENTER" → "SERVICE" pressing button "i". The IR Data Programmer 2 makes it possible to store a maximum of 99 programme positions with the data for channel, TV standard, Peri, 4-place station identification, fine tuning center frequency, and the volume offset "0" using the "OK" button.

Picture Format Selection via Station Ident BLD and WSS

The picture format can be switched over with remote control button "⏏" in dependence of the size of the picture tube.

In "auto" mode, the format is automatically changed accordingly with every change of the status (Wide Screen Signal Bit) via the Black Line Detector in dependence of the transmitter information.

Picture Format Selection with AV Switching Voltage Evaluation

The TV set selects the picture format in dependence of the voltage applied to Pin 8 of the active Scart socket. On AV operation, the format switching function is active for the black and orange AV socket (AV1, AV 2).

IF/ZF 29504-162

Press button "i" to reach the menu "IF/ZF 29504-162" via "DIALOG CENTER" → "SERVICE" → "for authorised dealer" → Code Number "8500". Select the signal module fitted to the TV set.

Switching Off Blue Background of Screen

Press button "i" to reach the menu "for authorised dealer" via "DIALOG CENTER" → "SERVICE" → Code Number "8500". Press the "yellow" button. Switching off the set cancels this function.

AFC Reference

Tune in to a station in band I with standardized channel raster and without fine tuning. Reach the "AFC reference" menu via "DIALOG CENTER" → "SERVICE" → "for authorised dealer" → Code Number "8500" pressing button "i". On pressing the "OK" button the automatically determined AFC value is indicated.

White Balance

Reach the "White bal." menu via "DIALOG CENTER" → "SERVICE" → "for authorised dealer" → Code Number "8500" pressing button "i". The values for "green" and "blue" can be adjusted with the ► ◀ buttons.

Colour Decoder

Call up the "Colour decoder" menu via "DIALOG CENTER" → "SERVICE" → "for authorised dealer" → Code Number "8500" pressing button "i". Select the Colour Decoder fitted to the TV set (VPC3210A/VPC3211A).

Type of Picture Tube

Via "DIALOG CENTER" → "SERVICE" → "for authorised dealer" → Code Number "8500" → "Tube type", the type of tube will be set.

Preprogramming the SAT Module

"SAT preprogramming" via "DIALOG CENTER" → "SERVICE" → "for authorised dealer" → Code Number "8500" → confirm with "OK" button.

Selecting the Software (without PIP Module)

Reach the "GR/OEM" menu via "DIALOG CENTER" → "SERVICE" → "for authorised dealer" → Code Number "8500" pressing button "i". Set the dialog line to GR.

Selecting the Software (with PIP Module)

Software version < 19798-318.30 for multi-system models or < 19798-323.10 for Pal versions.

Press button "i" to reach the menu "GR/OEM PIP 29504-106" via "DIALOG CENTER" → "SERVICE" → "for authorised dealer" → Code Number "8500". Set the dialog line to the appropriate PIP Module (GR .53 or .55).

The menu option "GR/OEM PIP 29504-106" needs not to be changed (xxx.53 / 55) for TV receivers with 1-Tuner-PIP (.54).

Geometry

Reach the "Geometry" menu via "DIALOG CENTER" → "SERVICE" → "for authorised dealer" → Code Number "8500" pressing button "i". Adjust the picture geometry with the geometry test pattern.

Sound Switching:

Call up the "Sound settings" menu with the "blue" button. Different types of "Sound" are available dependent on the standard.

Headphone Sound Switching

Call up the "Sound settings" menu with the "blue" button. Dependent on the TV standard, different settings for the "Headphones" are possible.

Setting the Volume on a Per-Programme Basis

Call up the "Sound settings" menu with the "blue" button. The volume can be set for each individual programme position with "Volume P X" (volume offset).

Basic Picture Settings

Call up the "Picture settings" menu with the "red" button. Following the user guide it is possible to select the options: "Personal", "During the day", "In the evening" and "Soft".

Picture Sharpness

Call up the "Picture settings" menu with the "red" button and select "Picture sharpness".

With the buttons ► ◀ it is possible to set the picture sharpness in four steps for each individual programme.

Perfect Clear

With the "red" button call up the "Picture settings" menu and select "Perfect Clear".

With the ► ◀ buttons this function can be switched on or off.

Noise Reduction

With the "red" button call up the "Picture settings" menu and select "Noise reduct.".

With the ► ◀ buttons it is possible to select the settings "Off", "Auto", and "weak".

Maximum Programme Number (reversing point)

Call up the "TV PROGRAMME CHART" menu via "DIALOG CENTER" pressing the "i" button.

When entering the channel number "00" on any programme position by pressing the "P/C" button and entering "00", programme selection with the buttons ▲ ▼ is limited to the numbers lower than this position.

Forced Settings in Programme Mode

Call up the "TV PROGRAMME CHART" menu via "DIALOG CENTER" using button "i" and activate the desired TV station with the "blue" button.

The forced operating modes for the individual programme positions must be entered into the last 3 places of the station identification beginning with a comma so that only one place "X" is left for the actual station identification.

Forced Settings in AV Mode (AV1...AV3)

Press the "i" button to call up the "TV PROGRAMME CHART" menu via "DIALOG CENTER". Move the yellow bar to "AV", select the desired AV level and activate with the "blue" button.

Setting the Analog Values

The last entered analog values are stored automatically after about 10s or when changing to the AV positions or vice versa. When exceeding the minimum analog values (maximum value is 63), the optimum value is initialised when switching the TV on or changing from RF → AV.

Service and Special Functions Digi Basic 3

ATS Reset

Press and hold button "L+" on the TV and switch the mains button "ON".

ATS Start

The Auto Tuning System (ATS) is started selecting the menu → "Adjust language on screen" → "Adjust country" → pressing the "OK" button.

Pressing the "TXT" or "i" button stops the ATS function. The ATS bit will not be reset.

Resetting the ATS bit without changing the existing channel table:

On stopping the station search function by pressing "TXT" or "i", select "AUX" → "green" button for direct channel entry, detune the finetuning value by one step and reset it. On storing this setting, the ATS bit is reset.

Loading the Average Values / Emergency Data Set (ROM Data)

This is only possible once on replacement of the NVM or µP.

On replacement of CIC80095 (NVM) the TV must be started with the emergency data set.

Press and hold the "P-" button on the TV and switch on with the mains button.

Electronic Programme Lock (parental lock)

To cancel your personal code number enter "7 0 3 8 5 8 0" in this order.

EPROM Version Number

Press button "i" to call up the "DIALOG CENTER" → OK. Button "AUX" shows the version number of the EPROM.

PIP Position

Depress and hold the "PIP" button on the remote control handset and switch on with the mains button to call up the PIP Mode.

Using the buttons ► ◀ the horizontal position can be changed.

Using the buttons ▼ ▲ the vertical position can be changed.

Using the format button, the upper right/left and lower right/left position of the PIP can be changed.

Store the position with "OK".

I²C Bus, IC Test

In this fault finding programme, the microprocessor CIC80050 scans the individual modules or circuits connected to the I²C bus and indicates them as a countable pulse sequence at the LED of the keyboard control unit.

Press and hold "P+" on the TV and switch on with the mains button.

With button "L+" on the TV it is possible to find out further defective interfaces.

Activating or Deactivating the Mains Economy Switch

Reach the "Mains economy sw." menu with button "i" via "DIALOG CENTER" → "OK" → "SPECIAL FUNCTIONS" → "OK".

With the buttons ► ◀ select "off" or "1h...4h".

Switching on with Programme "1" or "AV"

Reach the "Switch on with" menu with button "i" via "DIALOG CENTER" → "OK" → "SPECIAL FUNCTIONS" → "OK".

With the buttons ► ◀ select "Programme" or "AV".

Picture/Sound Options visible or invisible for all Programmes

Reach this menu via "DIALOG CENTER" → "OK" → "SPECIAL FUNCTIONS" → "OK" by pressing button "i".

Megalogic-Info

Reach the "Megalogic-Info" menu via "DIALOG CENTER" → "OK" → "SPECIAL FUNCTIONS" → "OK" by pressing button "i".

With the buttons ► ◀ the Megalogic function can be switched on (With) or off (Without).

AVL (Automatic Volume Limiter)

The indication "Automatic Volume Limiter" appears only if the MSP3410D (IC32300) with AVL function is identified in the set.

Colour Match

Reach the "Colour match" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" pressing button "i".

With the buttons ► ◀ the luma delay is set on a per-programme basis.

The luma delay is to be set additionally for TV sets fitted with a PIP Module.

Picture Format Selection via BLD or WSS Station Ident

The remote control button "⏏" allows to switch the picture format over dependent on the type of screen (4:3/16:9 picture tube).

In "Auto" mode, the picture of 16:9 TV sets is automatically changed to the respective format on every change of the status via the Black Line Detector by means of the Wide Screen Signalling Bit from the transmitter.

Picture Format Selection by Switching Voltage Evaluation

The TV set changes the picture format according to the voltage applied to Pin 8 of the active EURO-AV socket. In AV operating mode, the picture format switching function is active for the AV socket (AV1, AV2, AV3).

Noise Reduction P1...99 or 1...199

Reach the "Noise reduct." menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" pressing button "i". With the buttons ► ◀ the noise reduction can be set to "Off", "weak", "Auto" for all of the programmes 1...99 or 1...199.

Decoder P1...99 or 1...199

Call up the "Decoder" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" with button "i". With the buttons ► ◀ it is possible to switch the decoder "Off" or "On" for all programmes.

Picture Sharpness

Call up the "Sharpness" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" with button "i". With the buttons ► ◀ it is possible to adjust the picture sharpness in three steps for all programmes.

Decoder P. for Coded Transmissions

Call up the "Decoder sound P." menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" with button "i". With the buttons ► ◀ it is possible to set an analog or digital decoder for scrambled transmissions to internal or external switch-over on a per-programme basis.

IR Data Programmer

Reach the "IR-Dataprogrammer" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" pressing button "i". The IR Dataprogrammer 2 makes it possible to store a maximum of 99 programme positions with the data for channel, TV standard, Peri, 4-place station ident display, finetuning center frequency, and the volume offset "0" using the "OK" button.

Rotation

Reach the "Rotation" menu option via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" pressing button "i". With the buttons ► ◀ it is possible to adjust the display angle of the picture with reference to the screen to zero.

AFC Reference

Tune in to a station in band I with standardized channel raster without finetuning. Reach the "AFC reference" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". On pressing the "OK" button the automatically determined AFC value is indicated.

Hosiden Socket

Reach the "Hosiden socket" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". With the buttons ► ◀ select "With" or "Without".

White Balance

Reach the "White balance" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". The values for "Green" and "Blue" can be adjusted with the ► ◀ buttons.

Cancelling EGP Flash

Call up the menu "Cancel EGP flash" via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". On pressing the "OK" button, the contents of the EGP Flash will be cancelled.

Protection Circuit

Reach the "Protection circuit" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i".

Switch on with...

The "Switch on with" menu can be reached via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". With the buttons ► ◀ select "Test pattern" or "TV".

Switching the Blue Screen Background On/Off

Reach the "Blue Screen" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". With the buttons ► ◀ select "On" or "Off".

Type of Picture Tube

Reach the "Tube type" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". Set the type of picture tube.

Telepilot (remote control handset)

Reach the "Telepilot" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". With the buttons ► ◀ select the Telepilot enclosed with the TV set.

Terrestrial Tuner Module

Reach the "Terr. tuner module" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". With the buttons ► ◀ select the built-in tuner.

Geometry

Reach the "Geometry" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". Adjust the picture geometry with the geometry test pattern.

Preprogramming the SAT Module

Reach the "SAT preprogramming" menu via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500" pressing button "i". Confirm with "OK" button.

Watchdog On/Off

Call up the "Watchdog" menu with button "i" via "DIALOG CENTER" → "OK" → "SERVICE" → "OK" → "Only for the retailer" → "OK" → Code Number "8500".

To switch off the watchdog timer:

- select "off" with the **green** remote control button or
- press and hold the **P+** button and switch on with the mains button or
- press and hold the **P-** button and switch on with the mains button

Sound Settings

Call up the "SOUND SETTINGS" menu with the "blue" button → "OK".

Px Sound Level

Volume offset on a per-programme basis to adjust the different volume levels of the individual transmitting stations.

Balance

Setting the volume level between the left and right channel.

Equaliser

Adjustment menu for 5-band equaliser.

Width of Base

Switchable between "normal" and "Wide". (Not for Dolby Surround and Virtual Dolby)

Sound and Headphone Sound Switch-Over

Different types of sounds can be selected using the ► ◀ buttons dependent on the standard.

Audio Output

Can be set to "Solid" or "Adjustable" using the ►◀ buttons.

Loudspeaker Output

Can be set to "On" or "Off" using the ► ◀ buttons.

Basic Picture Settings

Call up the "PICTURE SETTINGS" menu with the "red" button. Following the user guide it is possible to select the options: "Personal values", "During the day", "In the evening" and "Soft" (red button).

Picture Sharpness

With the "red" button → "OK" call up the "PICTURE SETTINGS" menu and select "Sharpness".

With the ► ◀ buttons it is possible to set the picture sharpness in three steps for each individual programme position.

Perfect Clear

With the "red" button → "OK" call up the "PICTURE SETTINGS" menu and select "Perfect Clear".

With the ► ◀ buttons this function can be switched "On" or "Off".

Comb Filter

With the "red" button → "OK" call up the "PICTURE SETTINGS" menu and select "Comb filter".

With the ► ◀ buttons it is possible to choose between "Off" and "Automatic" on a per-programme basis.

Noise Reduction

With the "red" button → "OK" call up the "PICTURE SETTINGS" menu and select "Noise reduct.".

With the ► ◀ buttons it is possible to select the settings "Off", "Automatic", "Weak" and "High!" ("High!" cannot be stored).

Line Flicker Reduction

With the "red" button → "OK" call up the "PICTURE SETTINGS" menu and select "Line flicker reduct.".

With the ► ◀ buttons it is possible to select the settings "Off", and "Automatic".

Maximum Programme Number (reversing point)

Press button "i" to call up the "TV-PROGRAMME-CHART" menu via "DIALOG CENTER" → "OK" and activate the desired broadcast station with the "green" button.

When entering the channel number "00" on any programme position, programme selection with the buttons ▲ ▼ is limited to the numbers lower than this position.

Forced Settings in Programme Mode

Press button "i" to call up the "TV-PROGRAMME-CHART" menu via "DIALOG CENTER" → "OK" and activate the desired broadcast station with the "blue" button.

For activating the forced operating modes via the station ident, enter a comma in the 4th place from the left of the station identification. The 5th and 6th place contain the actual switching information (see table). The first three places of the station identification can be filled with any characters.

Setting the Analog Values

The last entered analog values are stored automatically after about 10s or when changing to the AV positions or vice versa. When setting the following values below the minimum analog value, the optimum value is initialised when switching the TV on or changing from RF → AV.

Service and Special Functions CUC 6330

ATS Reset

Press and hold the "L+" button on the TV set or on the remote control handset while switching on with the mains button (ATS Reset is displayed) to set the ATS-Bit.

ATS Start

Press the "P/C" button for approx. 4s → Language → Country → Aerial "OK" to start the Auto Tuning System (ATS).

Loading the Emergency Data

Is only possible once after replacement of μ P IC830 or IC102.

Press and hold the "P-" button on the TV set and switch on with the mains button.

Calling up the Service Menu with "Hotel mode on"

Press and hold the remote control button "P/C" while switching the TV set on with the mains button.

Calling up the Service Menu by pressing the **i** button is no longer possible when "Hotel mode" is on.

Volume-Offset = 0

Press and hold the "AUX" remote control button while switching the TV set on with the mains button. The Volume-Offset will be reset for all programmes.

Initialisation of IC830 after replacement

Connect Pin 1 of the processor to chassis and switch on with the mains button. The processor IC830 will be configured and the geometry average values loaded into it. Subsequently, load the emergency data set.

EPROM Version Number

The version number can be called up in the Info Menu with the "AUX" button. The last two figures of the part number (19798-265.01) indicate the index, eg. index 01 = .01.

Programme Lock (Security Code)

You can cancel your personal code number by pressing **▶ ◀ ▼ ▲** sequentially.

Maximum Programme Number (reversing point)

When entering the channel number "00" at any programme position via the menu Info Center → TV Station Table or pressing the "P/C" button and entering "00", programme selection with the **▼ ▲** buttons is limited to the numbers lower than this position.

"OSD-ON/OSD-OFF" for all Programmes

Via the menu Info Center → Special Functions → Settings → Pict./Sound Options on/ off. When selecting the "OSD-OFF" option the display of the station identifications and scales for the analog values is switched off.

Volume Offset

Via the menu Info Center → Special Functions → Settings, the volume level can be changed in 16 steps for each individual programme position.

The Service Menu

Can be called up via the menu Info Center → Special Functions → Service → code number 8500.

AV Settings (for each individual programme)

Call up via the menu → Special Functions → AV Settings.

Settings via the Audio Menu

The Audio Menu is called up with the **⦿** button. It is possible to change the following settings.

Settings at the HF Programme Positions

Select Info Center → TV Station Table.

- activate the desired station
- forced settings at an individual programme position must be programmed at the last 3 places of the station ident.
- enter a comma at the second place followed by the desired characters. Example: x,MO. Consequently, only one place is still left for entering the station ident.

Settings at the AV Programme Positions

Settings concerning the EURO-AV-sockets must be entered in the AV-Menu.

Menu Info Center → Special Functions → AV-Settings → AUX → Entry.

Settings via the AUX Function

The AUX Menu can be called up with the remote control command "AUX".

IR-Data Programmer

With this menu and the IR-Data Programmer 2 it is possible to transfer a maximum of 99 programme positions with the data for the channel, TV standard, Peri, 4-place station identification. When storing the data, the mid-position is entered for the channel spacing and the volume.

Call up via the menu Info Center → Special Functions → IR-Data Programmer.

Storage of Analog Values

The changed analog values are automatically stored when

- changing to the AV programme positions
- changing from one to another AV programme position
- changing from the AV to the SAT operating mode
- changing from the AV to the terrestrial mode and vice versa
- switching off

If the minimum values for brightness, contrast, colour, and contrast are set too low, the settings are corrected to optimum values.

Service and Special Functions CUC 7300

ATS Reset

To set the ATS-Bit, press and hold the "L+" button on the remote control handset and switch on the TV set from standby with the "P+" button on the front panel (ATS Reset is displayed).

ATS Start

Press the "P/C" button for approx. 4s, select → Language → Country → Aerial "OK" to start the Auto Tuning System (ATS).

Initialisation of a replacement IC850:

Connect Pin 1 of the processor to chassis and switch on with the mains button. The processor IC850 will be configured and the following values are read out from the ROM (IC860) and entered into the NVM of IC850.

Calling up the Service Menu with "Hotel mode on"

Press and hold the remote control button "P/C" and switch the TV on from standby mode using "P+" on the TV front panel. Set the Hotel mode to "Off" with the "OK" button.

Calling up the Info Center menu by pressing the **i** button is not possible when the "Hotel mode" is activated.

Volume Offset = 0

Press and hold the "AUX" remote control button and switch the TV on from standby mode using "P+" on the TV front panel. The Volume Offset will be reset for all programmes.

EPROM Version Number IC860

The version number can be called up in the Info Center with the "AUX" button. The last two figures of the part number (19798-266.01) indicate the index, e.g. index 01 = .01.

Programme Lock (Security Code)

You can cancel your personal code number by pressing ► ◀ ▼ ▲ sequentially.

Maximum Programme Number (reversing point):

When entering the channel number "00" at any programme position via the menu Info Center → TV Station Table or by pressing the "P/C" button and entering "00", programme selection with the ▼ ▲ buttons is limited to the numbers lower than this position.

Volume Offset:

Via the menu Info Center → Special Functions → the volume level can be changed in 16 steps on a per-programme basis.

Decoder

Via the menu Info Center → Special Functions → Decoder "on", "auto", "off".

IR-Data Programmer

With this menu and the IR-Data Programmer 2 it is possible to transfer a maximum of 49 programme positions with the data for the channel, TV standard, Peri, 4-place station identification.

Call up via the menu Info Center → Special Functions → IR-Data Programmer.

"OSD-ON/OSD-OFF" for all Programmes

Via the menu Info Center → Special Functions → Pict./Sound Options on/ off. When selecting "OSD-OFF" the station identifications and scales for the analog values are not displayed.

SAT LNC-Power on/off (only with built-in SAT module)

Via the menu Info Center → Special Functions → SAT LNC Power, the supply to the LNC can be switched on and off.

LNC Oscillator 9.00...10.00GHz (only with built-in SAT module)

Via the menu Info Center → Special Functions → SAT LNC oscillator, the oscillator frequency can be set in 1MHz steps simultaneously or separately ("AUX" button) for the two planes of polarisation .

Service Menu

Can be called up via the menu Info Center → Special Functions → Service → code number 8500.

Settings at the HF Programme Positions

Select Info Center → TV Station Table.

- Activate the desired station.
- Forced settings at individual programme positions must be programmed at the last 3 places of the station ident.
- Enter a comma at the second place followed by the desired characters. Example: x,AV. Consequently, only one place is still left for entering the station ident.

Settings via the AUX Function

The AUX Menu can be called up with the remote control command "AUX".

Storing Analog Values

Changed analog values are automatically stored when

- changing to the AV programme positions
- changing from the AV to the SAT operating mode and vice versa
- changing from the AV to the terrestrial mode and vice versa
- switching off

If the minimum values for brightness, contrast, colour, and volume are set too low, the optimum values are used.

Service and Special Functions CUC 7303 / 7305

Storing the Analog Values

The entered analog values are either stored automatically after approx. 8 seconds or when switching to standby mode.

Setting the Optimum Values

Pressing "AUX" → "OK" the television receiver is set to the optimum values stored for brightness, contrast, colour contrast and volume.

ATS Start

Press and hold the "AUX" button for approx. 4s until "ATS" (Auto Tuning System) is indicated and confirm with "OK".

Maximum Programme Number (reversing point)

Press the "i" → "OK" buttons and enter "----" under the frequency band selection option (B) at any programme position on the programme setting menu. Confirm with "OK" and leave the menu. As a result of this, programme selection in programme mode with the "P+" and "P-" buttons is limited to the numbers lower than this position.

Calling up the Service Menu at "Hotel mode on"

Press and hold button "i" on the remote control and switch on with the mains button. With the "P+/P-" button select the "Hotel" mode in the menu and set the indication to "OFF" using the "◀ -" or "+ ▶" button.

Calling up the Service Menu

Press and hold button "i" on the remote control and switch on with the mains button.

AGC Alignment

Select "AGC ALIGN" in the Service Menu. Alignment is possible in range 0...62 with the "◀ - / + ▶" buttons.

OSD Position

Select "OSD" (V or H) in the Service Menu and with the "◀ - / + ▶" buttons position the menu table in the centre of the screen.

Activating the Hotel Mode

Select "Hotel ON" in the Service Menu.

Decoder

Via the Service Menu switch the decoder "ON" or "OFF".

Decoder "ON":

Automatic identification of the switching voltage at Pin 8 of the EURO-AV socket (e.g. descrambler operation with TVs in French version, or external RGB mode for Italy).

Continuous Station Ident Indication

So that the programme name is displayed continuously on the screen press the "i" button. After about 8 seconds the programme is displayed in reduced size.

AUX Overview

The AUX menu is called up by pressing the "AUX" remote control button quickly.

Calling up the Contrast Setting Option

Call up the AUX menu and adjust the contrast with "⊖ - / ⊕ +" button.

Calling up the Sleptimer

Call up the AUX menu and activate the timer with the "TXT" button. Enter the desired stop time with the numbered buttons on the remote control and leave the menu with button "i".

Optimum Values for Analog Functions

Call up the AUX menu and press "OK". The optimum values are now called up.

ATS

Call up the AUX menu and press "AUX" for approximately 4s. Press the "OK" button to start the system.

Tint with NTSC

Call up the AUX menu and adjust with the button "⊖ - / ⊕ +".

Service and Special Functions CUC 7350

Storing the Analog Values

The entered analog values are either stored automatically after approx. 8 seconds or when switching to standby mode.

Setting the Optimum Values

Pressing "OK" → "OK" the television receiver is set to the optimum values stored for brightness, contrast, colour contrast, tint and volume. The balance is set to mid-position, treble and bass are linear.

ATS Start

Press and hold the "PC/AUX" button until "ATS" (Auto Tuning System) is indicated and confirm with "OK".

Maximum Programme Number

Press the "PC/AUX" button and enter the channel number "00" at any programme position via the station channel menu. As a result of this, programme selection with the ▼ ▲ buttons in programme mode is limited to the numbers lower than this position.

Calling up the Service Menu at "Hotel mode on"

Press and hold button "i" on the remote control and switch on with the mains button. With the ▼ ▲ buttons select the Hotel Mode in the menu and set the indication to "OFF" using the ◀ ▶ buttons. During the time the "Hotel mode" is active it is not possible to call up the station channel menu with the "PC/AUX" button.

Switching between 50Hz and 60Hz on HF Mode

On programme mode press the "PC/AUX" button and select the standards selection menu item with ◀ ▶. With the ▼ ▲ buttons switch the indication to "NT" for the NTSC television system (only sets with NTSC).

Switching between 50Hz and 60Hz on AV Mode

On AV mode, press the "PC/AUX" button and with the ▼ ▲ buttons set the indication to "NTSC ON / OFF" (only sets with NTSC).

Decoder Operation

Press and hold the "PC/AUX" button and select "DEC" using the ◀ ▶ buttons. With ▼ ▲ switch the decoder "ON". Confirm with "OK". In this way, the CCVS signal, eg. for descrambler operation, is applied to the AV socket, it passes through the descrambler and is fed back to the AV socket. This option can be employed individually at any programme position.

Calling up the Service Menu

Press and hold button "i" on the remote control and switch on with the mains button.

AGC Alignment

Select "AGC ALIGN" in the Service Menu. Alignment is possible in the range 0...63 with the ◀ ▶ buttons.

AFC Alignment

Select "AFC ALIGN" in the Service Menu. Confirm with ◀ or ▶.

OSD Position

Press and hold button "i" on the remote control and switch on with the mains button. Select "OSD POSITION" in the Service Menu and with the ◀ ▶ buttons position the menu table into the centre of the screen.

Activating the Hotel Mode

Select "Hotel ON" in the Service Menu.

IR-Data Programmer

With this menu and the IR-Data Programmer 2 it is possible to transfer a maximum of 99 programme positions with the data for the channel, TV standard, Peri, 4-place station identification. When storing the data, the mid-position is entered for the channel spacing and the volume.

Call up the IR-Data Programmer via the Service Menu.

Decoder (RGB signal fed in on HF mode)

Four different decoder settings are available for selection with the ◀ ▶ buttons:

DEC-ON P	DEC-OFF P
DEC-ON P.	DEC-OFF P.

Indication of the Status

Pressing the remote control button "i" for a short time calls up the pro-programme indication and makes it possible to enter the menu with "OK".

Calling up the Contrast Setting Option

Pressing the remote control buttons "i" → "OK" calls up the contrast setting option.

Calling up the Timer

To call up the timer press the remote control buttons "i" → "OK" → "i". Enter the desired stop time with the numbered buttons on the remote control.

Calling up the Automatic Frequency Control AFC "ON / OFF"

Press the remote control buttons "i" → "OK" → "i" → "i" until the AFC alignment option is displayed.

Continuous Station Ident Indication

When pressing the "i" button the programme name will be displayed continuously in reduced size after about 8 seconds. To clear this option press "i" twice.

Service Manuals sorted by TV sets

TV Set	Part Number	Kind of Manual	Chassis
ARCANCE 37 P37-2101 MV (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
ARCANCE 37 P37-2101 TR (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2103
ARCANCE 51 T51-2101 MV (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
ARCANCE 55 T55-2101 MV (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
ARGANTO 70 FLAT MFW70-530/9 DPL (VNM)	72010 024 9000 72010 024 9400 72010 024 9500	Service Manual Supplement 4 Supplement 5	CUC 1930
ARGANTO 70 MW70-500 IRDT (VNM)	72010 025 9000	Service Manual	CUC 2059 D
ARGANTO 70 MW70-502 IRDT/DOLBY (VNM)	72010 025 9000 72010 025 9200	Service Manual Supplement 2	CUC 2059 D
ARGANTO 70 MW70-505 IRDT/DPL (VNM)	72010 025 9000	Service Manual	CUC 2059 D
ARGANTO 70 MW70-510/8 A DPL (VNM)	72010 024 9000 72010 024 9400 72010 024 9500	Service Manual Supplement 4 Supplement 5	CUC 1930
ARGANTO 70 MW70-510/8 DPL (VNM)	72010 024 9000	Service Manual	CUC 1930
ARGANTO 70 MW70-515 MV/DOLBY (VNM)	72010 030 5000 72010 030 5200 72010 030 5300	Service Manual Supplement 2 Supplement 3	CUC 1934
ARGANTO 70 MW70-600 IRDT (VNM)	72010 025 9000 72010 025 9100	Service Manual Supplement 1	CUC 2059D
ARGANTO 70 MW70-605 IRDT/DPL (VNM)	72010 025 9000 72010 025 9100	Service Manual Supplement 1	CUC 2059D
ARGANTO 82 FLAT MFW82-530/9 DPL (VNM)	72010 024 9000 72010 024 9400 72010 024 9500	Service Manual Supplement 4 Supplement 5	CUC 1931
ARGANTO 82 FLAT MFW82-539/9 DVD (VNM)	72010 024 9000 72010 024 9500 72010 024 9900	Service Manual Supplement 5 Supplement 9	CUC 1931
ARGANTO 82 MW82-500 IRDT (VNM)	72010 025 9000	Service Manual	CUC 2058 D
ARGANTO 82 MW82-502 IRDT/DOLBY (VNM)	72010 025 9000 72010 025 9200	Service Manual Supplement 2	CUC 2058 D
ARGANTO 82 MW82-505 IRDT/DPL (VNM)	72010 025 9000	Service Manual	CUC 2058 D
ARGANTO 82 MW82-510/8 A DPL (VNM)	72010 024 9000 72010 024 9400 72010 024 9500	Service Manual Supplement 4 Supplement 5	CUC 1931
ARGANTO 82 MW82-510/8 DPL (VNM)	72010 024 9000	Service Manual	CUC 1931
ARGANTO 82 MW82-515 MV/DOLBY (VNM)	72010 030 5000 72010 030 5100 72010 030 5200	Service Manual Supplement 1 Supplement 2	CUC 1935
ARGANTO 82 MW82-520/9 PALPLUS	72010 019 9000 72010 019 9100 72010 019 9200 72010 019 9400 72010 019 9500	Service Manual Supplement 1 Supplement 2 Supplement 4 Supplement 5	CUC 1983
ARGANTO 82 MW82-600 IRDT (VNM)	72010 025 9000 72010 025 9100	Service Manual Supplement 1	CUC 2058D
ARGANTO 82 MW82-605 IRDT/DPL (VNM)	72010 025 9000 72010 025 9100	Service Manual Supplement 1	CUC 2058D
ATLANTA FLAT SE 7260 DOLBY (VNM)	72010 030 5000 72010 030 5100 72010 030 5200	Service Manual Supplement 1 Supplement 2	CUC 1838

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
ATLANTA SE7020 IDTV/LOG	72010 019 3000 72010 019 3100 72010 019 3200	Service Manual Supplement 1 Supplement 2	CUC 1826
ATLANTA SE7220 IDTV/PIP	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1600	Service Manual Supplement 2 Supplement 4 Supplement 6	CUC 1830
ATLANTA SE7250 A PIP/DOLBY (VNA)	72010 024 9000 72010 024 9300	Service Manual Supplement 3	CUC 1832
ATLANTA SE7250 A PIP/DOLBY (VNM)	72010 024 9000 72010 024 9300	Service Manual Supplement 3	CUC 1832
ATLANTA SE7250 A PIP/DOLBY (VNX)	72010 024 9000 72010 024 9300 72010 024 9400 72010 024 9700	Service Manual Supplement 3 Supplement 4 Supplement 7	CUC 1832
ATLANTA SE7250 PIP DOLBY (VNM)	72010 024 9000	Service Manual	CUC 1832
ATLANTA SE7250/8 DOLBY (VNG)	72010 024 9000 72010 024 9300 72010 024 9400 72010 024 9700	Service Manual Supplement 3 Supplement 4 Supplement 7	CUC 1832
ATLANTA SE7250/8 DOLBY (VNM)	72010 024 9000	Service Manual	CUC 1832
ATLANTA SE7250/8 DOLBY (VNX)	72010 024 9000 72010 024 9300	Service Manual Supplement 3	CUC 1832
BERLIN SE70-100/8	72010 021 1000	Service Manual	CUC 1828
BERLIN SE7027/8 PIP	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1600	Service Manual Supplement 2 Supplement 4 Supplement 6	CUC 1828
BERLIN SE7050/8 PIP/DOLBY	72010 024 9000 72010 024 9100	Service Manual Supplement 1	CUC 1930
BOSTEN SE7010 IDTV	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7	CUC 1836
BOSTON SE7010 IDTV	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7	CUC 1836
BOSTON SE7010 IDTV	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7	CUC 1836
BOSTON SE7012 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1837
DAVIO 37 P37-2102 (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2100
DAVIO 37 P37-2102 M(VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2100
DAVIO 37 P37-2102/1 (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2100
DAVIO 37 P37-2103 MV (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2100
DAVIO 37 P37-2104 MV (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2100
DAVIO 37 P37-2105 MV (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2100

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
DAVIO 37 P37-4101 GB (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103 GB
DAVIO 37 P37-4101 MV (VNA)	72010 040 7000 72010 040 7300	Service Manual Supplement 3	CUC 2103
DAVIO 37 P37-4101 MV (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 37 P37-4101 TOP (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 37 P37-4101 TOP/1 (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 37 P37-4101 TOP/TR (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 37 P37-4101/12 MV (VNM)	72010 040 7000 72010 040 7300	Service Manual Supplement 3	CUC 2105
DAVIO 37 P37-4101/12 MV SAT (VNM)	72010 040 7000 72010 040 7300	Service Manual Supplement 3	CUC 2105
DAVIO 51 T51-3101 MV (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 51 T51-3101 TOP (VNM)	72010 040 7000	Service Manual	CUC 2103
DAVIO 51 T51-3101 TOP/1 (VNM)	72010 040 7000	Service Manual	CUC 2103
DAVIO 51 T51-3101 TOP/1 (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 51 T51-3101 TOP/TR (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 55 M55-290/8 IDTV	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1900	Service Manual Supplement 2 Supplement 4 Supplement 9	CUC 1806
DAVIO 55 ST55-852 Dolby (VNM)	72010 024 7000 72010 024 7300	Service Manual Supplement 3	CUC 2021
DAVIO 55 ST55-854 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121
DAVIO 55 ST55-854/8 DOLBY (VNA)	72010 040 7000 72010 040 7300	Service Manual Supplement 3	CUC 2121 M
DAVIO 55 ST55-854/8 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121 M
DAVIO 55 ST55-855 NIC/TOP (VNM)	72010 024 7000 72010 024 7200	Service Manual Supplement 2	CUC 2021 N
DAVIO 55 ST55-870 FR/TOP (VNM)	72010 027 2000	Service Manual	CUC 2021F
DAVIO 55 ST55-880 FR/DOLBY (VNM)	72010 027 2000 72010 027 2100	Service Manual Supplement 1	CUC 2021 F
DAVIO 55 ST55.852 Dolby (VNM)	72010 024 7000 72010 024 7300	Service Manual Supplement 3	CUC 2021N
DAVIO 55 T55-4101 GB (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 55 T55-4101 MV (VNM)	72010 040 7000	Service Manual	CUC 2103 M
DAVIO 55 T55-4101 SAT (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2103
DAVIO 55 T55-4101 TOP (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 55 T55-4101 TOP/1 (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 55 T55-4101 TOP/TR (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
DAVIO 70 M70-290 IDTV (VNM)	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1900	Service Manual Supplement 2 Supplement 4 Supplement 9	CUC 1836

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
DAVIO 70 M70-290/8 IDTV (VNM)	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1900	Service Manual Supplement 2 Supplement 4 Supplement 9	CUC 1836
DAVIO 70 ST70-292 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1837
DAVIO 70 ST70-292/8 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1837
DAVIO 70 ST70-5001 DOLBY (VNM)	72010 024 8000 72010 024 8400	Service Manual Supplement 4	CUC 2032
DAVIO 70 ST70-5001 NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2030 N
DAVIO 70 ST70-8510 NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300	Service Manual Supplement 3	CUC 2030 N
DAVIO 70 ST70-853 NIC/PIP (VNM)	72010 026 0000	Service Manual	CUC 2050N
DAVIO 70 ST70-853 NIC/PIP (VNM)	72010 026 0000	Service Manual	CUC 2050 N
DAVIO 70 ST70-870 FR/TOP (VNM)	72010 020 8000 72010 020 8200 72010 020 8300 72010 020 8500	Service Manual Supplement 2 Supplement 3 Supplement 5	CUC 2035 F
DAVIO 70 ST70-880 FR/Dolby (VNM)	72010 028 6000	Service Manual	CUC 2035F
DAVIO 70 ST79-854 PIP/Dolby (VNM)	72010 026 0000 72010 026 0200	Service Manual Supplement 2	CUC 2050N
DENVER 82-100 PALPLUS	72010 019 9000 72010 019 9100 72010 019 9200	Service Manual Supplement 1 Supplement 2	CUC 1984
DENVER 82-100/9 PALPLUS	72010 019 9000 72010 019 9100	Service Manual Supplement 1	CUC 1984
DENVER FLAT SE8260/8 DOLBY (VNM)	72010 030 5000 72010 030 5200 72010 030 5300	Service Manual Supplement 2 Supplement 3	CUC 1935
DENVER SE82-100 PALPLUS	72010 019 9000 72010 019 9100 72010 019 9200 72010 019 9400	Service Manual Supplement 1 Supplement 2 Supplement 4	CUC 1984
DENVER SE8227/8 PIP	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7	CUC 1929
DENVER SE8227/8 PIP	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7	CUC 1929
DENVER SE8250/8 PIP/DOLBY (VNG)	72010 024 9000 72010 024 9300 72010 024 9400 72010 024 9700	Service Manual Supplement 3 Supplement 4 Supplement 7	CUC 1931
DENVER SE8250/8 PIP/DOLBY (VNM)	72010 024 9000 72010 024 9100	Service Manual Supplement 1	CUC 1931
DENVER SE8250/8 PIP/DOLBY (VNX)	72010 024 9000 72010 024 9300	Service Manual Supplement 3	CUC 1931
ELEGANCE 63 ST63-2103 DOLBY (VNM)	72010 041 6000	Service Manual	CUC 2130
ELEGANCE 63 ST63-2103/8 DOLBY (VNM)	72010 041 6000	Service Manual	CUC 2130 M

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
ELEGANCE 63 ST63-300 DOLBY (VNM)	72010 030 5000 72010 030 5200 72010 030 5300	Service Manual Supplement 2 Supplement 3	CUC 1837
ELEGANCE 63 ST63-300/8 DOLBY (VNM)	72010 030 5000 72010 030 5200 72010 030 5300	Service Manual Supplement 2 Supplement 3	CUC 1837
ELEGANCE 70 M70-300 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1837
ELEGANCE 70 M70-3110 DOLBY (VNM)	72010 030 5000 72010 030 5200 72010 030 5300	Service Manual Supplement 2 Supplement 3	CUC 1837
ELEGANCE 70 MW70-150/8 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1934
ELEGANCE 70 MW70-2101 DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2059
ELEGANCE 70 MW70-2101 NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2059 N
ELEGANCE 70 ST 70-2103/8 DOLBY (VNM)	72010 041 6000	Service Manual	CUC 2130 M
ELEGANCE 70 ST70-2102 NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2030 N
ELEGANCE 70 ST70-2103 DOLBY (VNM)	72010 041 6000	Service Manual	CUC 2130
ELEGANCE 70 ST70-300 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1837
ELEGANCE 70 ST70-300/8 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1837
ELEGANCE 70 ST70-900 DOLBY (VNM)	72010 024 8000 72010 024 8300	Service Manual Supplement 3	CUC 2032
ELEGANCE 70 ST70-900 DOLBY/TR (VNM)	72010 024 8000 72010 024 8400	Service Manual Supplement 4	CUC 2032
ELEGANCE 70 ST70-900 FR/DOLBY (VNM)	72010 028 6000 72010 028 6100	Service Manual Supplement 1	CUC 2035 F
ELEGANCE 70 ST70-900 NIC/DOLBY(VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2030 N
ELEGANCE 70 ST70-900/4 DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2030 N
ELEGANCE 70 ST70-904 NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2030 N
ELEGANCE 72 FLAT MF72-3110 DOLBY (VNM)	72010 030 5000 72010 030 5400	Service Manual Supplement 4	CUC 1838
ELEGANCE 72 FLAT MF72-3110/8 DOLBY (VNM)	72010 030 5000 72010 030 5400	Service Manual Supplement 4	CUC 1838
ELEGANCE 82 MW82-2201 NIC/DOLBY (VNM)	72010 043 1000	Service Manual	CUC 2068N
ELEGANCE 82 FLAT MFW82-3101 NIC/DOLBY (VNM)	72010 043 1000	Service Manual	CUC 2068N
ELEGANCE 82 FLAT MFW82-3110 MV/DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1935
ELEGANCE 82 MW82-150/8 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1935
ELEGANCE 82 MW82-2101 DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2058
ELEGANCE 82 MW82-2101 NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2058 N

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
FINE ARTS VISION MFW82-710/9 DPL/PIP (VNM)	72010 024 9000 72010 024 9100 72010 024 9200	Service Manual Supplement 1 Supplement 2	CUC 1931
FINE ARTS VISION MFW82-720/9 DVD (VNM)	72010 024 9000 72010 024 9100 72010 024 9200	Service Manual Supplement 1 Supplement 2	CUC 1931
FINE ARTS VISION MFW82-710/8 DVD (VNM)	72010 024 9000 72010 024 9200 72010 024 9400 72010 024 9800	Service Manual Supplement 2 Supplement 4 Supplement 8	CUC 1931
FINE ARTS VISION MFW82-710/9 DVD (VNA)	72010 024 9000 72010 024 9200 72010 024 9900 72010 041 9100 72010 027 9000 72010 027 9200	Service Manual Supplement 2 Supplement 9 Supplement 10 SM DVD Supp.1 DVD	CUC 1931
FINE ARTS VISION MFW82-710/9 DVD (VNX)	72010 024 9000 72010 024 9200 72010 024 9900 72010 041 9100 72010 027 9000 72010 027 9200	Service Manual Supplement 2 Supplement 9 Supplement 10 SM DVD Supp.1 DVD	CUC 1931
GREENVILLE 100 SE7030 (VNM)	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1900	Service Manual Supplement 2 Supplement 4 Supplement 9	CUC 1836
GREENVILLE 370 SE3781 TOP	72010 024 0000	Service Manual	CUC 2003
GREENVILLE 370 SE3781 TOP	72010 024 0000 72010 024 0100	Service Manual Supplement 1	CUC 2003
GREENVILLE 550 SE5586 TOP	72010 021 4000	Service Manual	CUC 2020
GREENVILLE 560 SE5587 TOP	72010 024 7000	Service Manual	CUC 2021
GREENVILLE 561 SE5590 Dolby (VNM)	72010 024 7000 72010 024 7300	Service Manual Supplement 3	CUC 2021
GREENVILLE 7003 NIC/TOP	72010 020 7000	Service Manual	CUC 2030 N
GREENVILLE 7003 TEXT	72010 020 7000	Service Manual	CUC 2030
GREENVILLE 7004 NIC/TOP	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4	CUC 2050 N
GREENVILLE 7005 TOP (VNM)	72010 024 8000	Service Manual	CUC 2032
GREENVILLE 7006 DOLBY (VNM)	72010 024 8000 72010 024 8200	Service Manual Supplement 2	CUC 2032
GREENVILLE 7006 NIC/DOLBY (VNM)	72010 026 0300 72010 026 0000	Service Manual Supplement 3	CUC 2030 N
GREENVILLE SE5592 MV/DOLBY (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2121 M
HAMBURG SE8240 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1935
LEEMAXX 55 FLAT MF55-9101/8 DOLBY (VNM)	72010 041 6000 72010 041 6100	Service Manual Supplement 1	CUC 2136
LEEMAXX 55 ST55-4105 DOLBY (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2121
LEEMAXX 55 ST55-4105 MV/DOLBY (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2121 M
LEEMAXX 55 T55-4104 TOP (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2103
LEEMAXX 72 FLAT MF72-9110/8 DOLBY (VNM)	72010 030 5000 72010 030 5400	Service Manual Supplement 4	CUC 1838

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
LENARO 84 MF84-6110/8 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1839
	72010 030 5400	Supplement 4	
LENARO 92 MFW92-6110/9 DVD (VNM)	72010 042 3000	Service Manual	CUC 1937
	72010 042 4000	SM DVD	
LISSABON 562 SE5595 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121
M1403	72010 020 5000	Service Manual	CUC 7303
M1403 TXT	72010 020 5000	Service Manual	CUC 7303
M2003 TXT	72010 020 5000	Service Manual	CUC 7303
M2103 TXT	72010 020 5000	Service Manual	CUC 7303
M2150 TXT	72010 020 6000	Service Manual	CUC 7350
M55-280/8 A IDTV LOG	72010 021 1000	Service Manual	CUC 1806
	72010 021 1200	Supplement 2	
M55-280/8 IDTV/LOG	72010 019 3000	Service Manual	CUC 1805
	72010 019 3100	Supplement 1	
	72010 019 3200	Supplement 2	
M55-290/8 IDTV	72010 021 1000	Service Manual	CUC 1806
	72010 021 1200	Supplement 2	
	72010 021 1400	Supplement 4	
	72010 021 1600	Supplement 6	
M63-281 IDTV/LOG	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
M63-281/8 IDTV/LOG	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
M70-269/9 REFERENCE	72010 019 9000	Service Manual	CUC 1952
M70-281 IDTV/LOG	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
M70-281/8 IDTV/LOG	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
M70-282 (VNM)	72010 026 9000	Service Manual	CUC 1836
	72010 026 9100	Supplement 1	
M70-282 (VNX)	72010 026 9000	Service Manual	CUC 1936
	72010 026 9000	Supplement 1	
	72010 026 9000	Supplement 3	
M70-290 IDTV	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
M70-290/8 IDTV	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
M70-879/8 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1837
	72010 030 5100	Supplement 1	
M72-01 (VNM/VNA)	72010 026 9000	Service Manual	CUC 1830
	72010 026 9000	Supplement 1	
	72010 026 9000	Supplement 3	
M72-100 A	72010 021 1000	Service Manual	CUC 1830
	72010 021 1200	Supplement 2	

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
M72-100 IDTV	72010 019 3000 72010 019 3100 72010 019 3200	Service Manual Supplement 1 Supplement 2	CUC 1826
M72-100/8 A	72010 021 1000 72010 021 1200	Service Manual Supplement 2	CUC 1830
M72-100/8 IDTV	72010 019 3000 72010 019 3100 72010 019 3200	Service Manual Supplement 1 Supplement 2	CUC 1826
M72-109 (VNM)	72010 026 9000 72010 026 9100	Service Manual Supplement 1	CUC 1830
M72-109 MV/DOLBY (VNM)	72010 030 5000 72010 030 5100 72010 030 5200	Service Manual Supplement 1 Supplement 2	CUC 1838
M72-270/8 IDTV/LOG ELEGANCE	72010 019 3000 72010 019 3100 72010 019 3200 72010 019 3300 72010 019 3600	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 6	CUC 1826
M72-410 REFERENCE	72010 019 9000	Service Manual	CUC 1842
M72-410/9 REFERENCE	72010 019 9000	Service Manual	CUC 1842
M72-410/9 REFERENCE/PIP	72010 019 9000	Service Manual	CUC 1842
M72-798 DOLBY (VNM)	72010 030 5000 72010 030 5100 72010 030 5200	Service Manual Supplement 1 Supplement 2	CUC 1838
M72-798 IDTV	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1900	Service Manual Supplement 2 Supplement 4 Supplement 9	CUC 1830
M82-269/9 REF	72010 019 9000	Service Manual	CUC 1984
M82-269PALPLUS/LOG	72010 019 9000	Service Manual	CUC 1983
M84-210/8 A IDTV LOG	72010 021 1000 72010 021 1200	Service Manual Supplement 2	CUC 1829
M84-211/8 IDTV (VNM)	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1800	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 8	CUC 1929
M84-212/8 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1839
M95-410/9 REFERENCE/PIP	72010 019 9000	Service Manual	CUC 1842
M95-411/9 REFERENCE/PIP	72010 019 9000 72010 019 9100 72010 019 9200	Service Manual Supplement 1 Supplement 2	CUC 1894
MELBOURNE SE7210 A NIC/TOP	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4	CUC 2051 N
MELBOURNE SE7210 TOP	72010 020 7000 72010 020 7100	Service Manual Supplement 1	CUC 2031
MELBOURNE SE7210/NIC/TOP	72010 020 7000 72010 020 7100	Service Manual Supplement 1	CUC 2031 N
MELBOURNE SE7212 TOP (VNM)	72010 024 8000	Service Manual	CUC 2033
MF72-258 DOLBY (VNM)	72010 030 5000 72010 030 5200 72010 030 5300	Service Manual Supplement 2 Supplement 3	CUC 1838
MIAMI SE3780 TEXT	72010 019 4000 72010 019 4300 72010 019 4600	Service Manual Supplement 3 Supplement 6	CUC 7303

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
MINERVA M1403	72010 020 5000	Service Manual	CUC 7303
MINERVA M1403 TXT	72010 020 5000	Service Manual	CUC 7303
MINERVA M2003 TXT	72010 020 5000	Service Manual	CUC 7303
MINERVA M2103 TXT	72010 020 5000	Service Manual	CUC 7303
MW70-100/8	72010 021 1000	Service Manual	CUC 1828
MW70-269 PALPLUS	72010 019 9000 72010 019 9100 72010 019 9200 72010 019 9400	Service Manual Supplement 1 Supplement 2 Supplement 4	CUC 1952
MW70-2690 FR/TOP	72010 020 8000 72010 020 8200 72010 020 8300	Service Manual Supplement 2 Supplement 3	CUC 2059 F
MW70-2690 NIC/TOP	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4	CUC 2059 N
MW70-2699 DPL/FT (VNM)	72010 020 7000 72010 020 7400 72010 020 7600 72010 020 7800	Service Manual Supplement 4 Supplement 6 Supplement 8	CUC 2059 N
MW70-2699 FR/TOP (VNM)	72010 020 8000 72010 020 8200 72010 020 8400	Service Manual Supplement 2 Supplement 4	CUC 2059 F
MW70-2699 NIC/FT (VNM)	72010 026 0000	Service Manual	CUC 2059N
MW70-2699 NIC/FT (VNM)	72010 026 0000	Service Manual	CUC 2059 N
MW70-2699 NIC/TOP (VNA)	72010 026 0000	Service Manual	CUC 2059N
MW70-2699 NIC/TOP (VNA)	72010 026 0000	Service Manual	CUC 2059 N
MW70-2699 NIC/TOP (VNM)	72010 020 7000 72010 020 7400 72010 020 7600 72010 020 7800	Service Manual Supplement 4 Supplement 6 Supplement 8	CUC 2059 N
MW70-2700 Dolby (VNM)	72010 026 0000 72010 026 0200	Service Manual Supplement 2	CUC 2059
MW70-2700 FR/DOLBY (VNM)	72010 020 8000 72010 020 8200 72010 020 8400 72010 020 8700 72010 020 8800	Service Manual Supplement 2 Supplement 4 Supplement 7 Supplement 8	CUC 2059F
MW70-2700 NIC/DOLBY (VNA)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2059 N
MW70-2701 DOLBY/FT (VNM)	72010 026 0300 72010 026 0000	Service Manual Supplement 3	CUC 2059 N
MW70-3699 DOLBY/FT (VNM)	72010 026 0300 72010 026 0000	Service Manual Supplement 3	CUC 2059 N
MW70-3699 NIC/FT (VNM)	72010 026 0000 72010 026 0100	Service Manual Supplement 1	CUC 2059N
MW70-3700 DPL/FT (VNM)	72010 026 0000 72010 026 0100	Service Manual Supplement 1	CUC 2059N
MW82-100/9	72010 019 9000 72010 019 9100 72010 019 9200 72010 019 9400	Service Manual Supplement 1 Supplement 2 Supplement 4	CUC 1984
MW82-100/9 PALPLUS	72010 019 9000 72010 019 9100 72010 019 9200	Service Manual Supplement 1 Supplement 2	CUC 1983

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
MW82-100/9 PALPLUS	72010 019 9000 72010 019 9100 72010 019 9200 72010 019 9400	Service Manual Supplement 1 Supplement 2 Supplement 4	CUC 1983
MW82-269/9 REFERENCE	72010 019 9000 72010 019 9100	Service Manual Supplement 1	CUC 1984
MW82-2690 NIC/TOP	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4	CUC 2058 N
MW82-2699 DPL/FT (VNM)	72010 020 7000 72010 020 7400 72010 020 7600 72010 020 7800	Service Manual Supplement 4 Supplement 6 Supplement 8	CUC 2058 N
MW82-2699 FR/TOP (VNM)	72010 020 8000 72010 020 8200 72010 020 8400	Service Manual Supplement 2 Supplement 4	CUC 2058 F
MW82-2699 NIC/FT (VNM)	72010 026 0000	Service Manual	CUC 2058N
MW82-2699 NIC/FT (VNM)	72010 026 0000	Service Manual	CUC 2058 N
MW82-2699 NIC/TOP (VNA)	72010 026 0000	Service Manual	CUC 2058N
MW82-2699 NIC/TOP (VNA)	72010 026 0000	Service Manual	CUC 2058 N
MW82-2699 NIC/TOP (VNM)	72010 020 7000 72010 020 7400 72010 020 7600 72010 020 7800	Service Manual Supplement 4 Supplement 6 Supplement 8	CUC 2058 N
MW82-2700 Dolby (VNM)	72010 026 0000 72010 026 0200	Service Manual Supplement 2	CUC 2058
MW82-2700 FR/Dolby (VNM)	72010 020 8000 72010 020 8200 72010 020 8400 72010 020 8700 72010 020 8800	Service Manual Supplement 2 Supplement 4 Supplement 7 Supplement 8	CUC 2058F
MW82-2700 NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2058 N
MW82-2701 DOLBY/FT (VNM)	72010 026 0300 72010 026 0000	Service Manual Supplement 3	CUC 2058 N
MW82-3112 MV/DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1935
MW82-3699 DOLBY/FT (VNM)	72010 026 0300 72010 026 0000	Service Manual Supplement 3	CUC 2058 N
MW82-3699 NIC/FT (VNM)	72010 026 0000 72010 026 0100	Service Manual Supplement 1	CUC 2058N
MW82-3700 DPL/FT (VNM)	72010 026 0000 72010 026 0100	Service Manual Supplement 1	CUC 2058N
MW82-40/8 (VNM)	72010 026 9000	Service Manual	CUC 1836
MW82-45/8 (VNM)	72010 026 9000 72010 026 9000 72010 026 9000	Service Manual Supplement 1 Supplement 3	CUC 1929
MW82-50/8	72010 021 1000 72010 021 1200 72010 021 1300	Service Manual Supplement 2 Supplement 3	CUC 1929
ORLANDO FLAT SE7270 DOLBY (VNM)	72010 030 5000 72010 030 5400	Service Manual Supplement 4	CUC 1838
P37-080	72010 019 4000 72010 019 4300 72010 019 4600	Service Manual Supplement 3 Supplement 6	CUC 7303

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
P37-080 (VNA)	72010 026 1000 72010 026 1100	Service Manual Supplement 1	CUC 7303
P37-080 GB	72010 019 4000 72010 019 4600 72010 019 4700	Service Manual Supplement 6 Supplement 7	CUC 7303
P37-080 GB (VNA)	72010 026 1000 72010 026 1100 72010 026 1300	Service Manual Supplement 1 Supplement 3	CUC 7303
P37-080 IR	72010 019 4000 72010 019 4600 72010 019 4700	Service Manual Supplement 6 Supplement 7	CUC 7303
P37-080 IR (VNA)	72010 026 1000 72010 026 1100	Service Manual Supplement 1	CUC 7303
P37-080 TR (VNM)	72010 019 4000 72010 019 4600 72010 021 9100	Service Manual Supplement 6 Supplement 11	CUC 7303
P37-090 GB (VNA)	72010 026 1000 72010 026 1100 72010 026 1300	Service Manual- Supplement 2 Supplement 1 Supplement 3	CUC 7303
P37-090 GB (VNM)	72010 019 4000 72010 019 4600 72010 021 9200	Service Manual Supplement 6 Supplement 12	CUC 7303 GB
P37-090 IR (VNM)	72010 026 1000 72010 026 1100 72010 026 1200	Service Manual Supplement 1 Supplement 2	CUC 7303 with PLL
P37-3035 TEXT	72010 019 4000 72010 019 4100 72010 019 4200	Service Manual Supplement 1 Supplement 2	CUC 7303
P37-3050 text (VNM)	72010 026 1000 72010 026 1100 72010 026 1200	Service Manual Supplement 1 Supplement 2	CUC 7303 with PLL
P37-3050 TR (VNM)	72010 026 1000 72010 026 1100 72010 026 1300	Service Manual Supplement 1 Supplement 3	CUC 7303
P37-600 TEXT (VNM)	72010 026 1000 72010 026 1100 72010 026 1200	Service Manual Supplement 1 Supplement 2	CUC 7303 with PLL
P37-730 MEGASIS	72010 017 8000 72010 017 8100 72010 017 8200 72010 017 8300 72010 017 8400 72010 017 8500	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 4 Supplement 5	CUC 7301
P37-730/5 TEXT ICN	72010 017 8000 72010 017 8100 72010 017 8200 72010 017 8300 72010 017 8400	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 4	CUC 7301
P37-731 TEXT IR	72010 019 4000 72010 019 4100 72010 019 4200	Service Manual Supplement 1 Supplement 2	CUC 7303
P37-830 MULTI/ICN	72010 024 0000	Service Manual	CUC 2003 H
P37-830 MULTI/ICN	72010 024 0000 72010 024 0100	Service Manual Supplement 1	CUC 2003 H
P37-830 TEXT	72010 019 4000 72010 019 4300 72010 019 4600	Service Manual Supplement 3 Supplement 6	CUC 7303

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
P37-830 TEXT (VNA)	72010 026 1000 72010 026 1100	Service Manual Supplement 1	CUC 7303
P37-830 TEXT/GB	72010 019 4000 72010 019 4600 72010 019 4700	Service Manual Supplement 6 Supplement 7	CUC 7303
P37-830 TEXT/GB (VNA)	72010 026 1000 72010 026 1100 72010 026 1300	Service Manual Supplement 1 Supplement 3	CUC 7303
P37-830 TEXT/IR	72010 019 4000 72010 019 4600 72010 019 4700	Service Manual Supplement 6 Supplement 7	CUC 7303
P37-830 text/IR (VNA)	72010 026 1000 72010 026 1100	Service Manual Supplement 1	CUC 7303
P37-830 text/TR (VNA)	72010 026 1000 72010 026 1100 72010 026 1200	Service Manual Supplement 1 Supplement 2	CUC 7303 with PLL
P37-830 TEXT/TR (VNM)	72010 019 4000 72010 019 4600 72010 021 9100	Service Manual Supplement 6 Supplement 11	CUC 7303
P37-830/12 TEXT GLOBETROTTER	72010 019 5000 72010 019 5100	Service Manual Supplement 1	CUC 7305
P37-830/12 TEXT GLOBETROTTER (VNA)	72010 028 9000	Service Manual	CUC 7305
P37-830/4 TEXT	72010 019 4000 72010 019 4300 72010 019 4600	Service Manual Supplement 3 Supplement 6	CUC 7303
P37-830/4 text (VNA)	72010 026 1000 72010 026 1100	Service Manual Supplement 1	CUC 7303
P37-837 text (VNA)	72010 026 1000 72010 026 1100	Service Manual Supplement 1	CUC 7303
P37-837 TEXT (VNM)	72010 019 4000 72010 019 4600 72010 021 9000	Service Manual Supplement 6 Supplement 10	CUC 7303
P37-838 text (VNA)	72010 026 1000 72010 026 1100	Service Manual Supplement 1	CUC 7303
P37-838 TEXT (VNM)	72010 019 4000 72010 019 4600 72010 021 9000	Service Manual Supplement 6 Supplement 10	CUC 7303
P37-840/12 TOP/SAT	72010 026 2000	Service Manual	CUC 2005
P37-842 FR	72010 019 6000 72010 019 6300	Service Manual Supplement 3	CUC 7303 FR
P37-844 FR (VNA)	72010 025 7000	Service Manual	CUC 7303F
P37-844 FR (VNA)	72010 025 7000	Service Manual	CUC 7303 F
P37-846 FR	72010 019 6000 72010 019 6100 72010 019 6200	Service Manual Supplement 1 Supplement 2	CUC 7303 F
P37-847 FR/TEXT	72010 019 6000 72010 019 6300 72010 019 6400	Service Manual Supplement 3 Supplement 4	CUC 7303 FR
P37-848 FR Text (VNA)	72010 025 7000	Service Manual	CUC 7303F
P37-848 FR TEXT (VNA)	72010 025 7000	Service Manual	CUC 7303 F
P37-930 TEXT/GB (VNA)	72010 026 1000 72010 026 1100 72010 026 1300	Service Manual Supplement 1 Supplement 3	CUC 7303
P37-930 text/IR (VNM)	72010 026 1000 72010 026 1100 72010 026 1200	Service Manual Supplement 1 Supplement 2	CUC 7303 with PLL

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
P37-9441 FR (VNM)	72010 019 6000 72010 019 6300 72010 019 6600	Service Manual Supplement 3 Supplement 6	CUC 7303F
P37-9441 FR (VNM)	72010 019 6000 72010 019 6300 72010 019 6600	Service Manual Supplement 3 Supplement 6	CUC 7303 F
P37-9442 FR (VNM)	72010 019 6000 72010 019 6300 72010 019 6600	Service Manual Supplement 3 Supplement 6	CUC 7303F
P37-9442 FR (VNM)	72010 019 6000 72010 019 6300 72010 019 6600	Service Manual Supplement 3 Supplement 6	CUC 7303 F
P37-9443 FR (VNM)	72010 019 6000 72010 019 6300 72010 019 6600	Service Manual Supplement 3 Supplement 6	CUC 7303F
P37-9443 FR (VNM)	72010 019 6000 72010 019 6300 72010 019 6600	Service Manual Supplement 3 Supplement 6	CUC 7303 F
P45 830/4 TEXT (VNA)	72010 026 1000	Service Manual	CUC 7303
P45-4101 MV/TOP (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2103
P45-4101 TOP (VNM)	72010 040 7000 72010 040 7200	Service Manual Supplement 2	CUC 2103
P45-830 MULTI MEGASIS	72010 024 0000	Service Manual	CUC 2003 H
P45-830 MULTI MEGASIS	72010 024 0000 72010 024 0100	Service Manual Supplement 1	CUC 2003 H
P45-830 TEXT	72010 019 4000 72010 019 4300 72010 019 4600	Service Manual Supplement 3 Supplement 6	CUC 7303
P45-830 TEXT (VNA)	72010 026 1000	Service Manual	CUC 7303
P45-830/4 TEXT	72010 019 4000 72010 019 4600 72010 019 4700	Service Manual Supplement 6 Supplement 7	CUC 7303
P45-848 FR Text (VNA)	72010 025 7000	Service Manual	CUC 7303F
P45-848 FR TEXT (VNA)	72010 025 7000	Service Manual	CUC 7303 F
PLANATRON PW110-520/9 PALPLUS	72010 024 6000	Service Manual	
S55-806 TOP/TR (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2103
SE7016/9 REFERENCE/PIP TRENTO	72010 019 9000	Service Manual	CUC 1952
SE8216/9 REFERENCE/PIP DENVER	72010 019 9000	Service Manual	CUC 1984
SEDANCE 70 ST70-2104 DOLBY (VNM)	72010 041 6000 72010 041 6100	Service Manual Supplement 1	CUC 2130
SEDANCE 70 ST70-2104/8 DOLBY (VNM)	72010 041 6000 72010 041 6100	Service Manual Supplement 1	CUC 2130M
SEDANCE 70 ST70-284 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1837
SEDANCE 70 ST70-284/8 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1837
SEDANCE 72 M72-2110 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1838
SEDANCE 72 M72-2110 MV/DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1838
SEDANCE 72 ST72-8610 NIC/DOLBY (VNA)	72010 024 8000 72010 024 8300	Service Manual Supplement 3	CUC 2033N
ST25-8210/6 NT	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3	CUC 2040 India

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
ST28-8210/6 NT	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3	CUC 2040 India
ST55-605 TOP (VNM)	72010 024 7000 72010 024 7300	Service Manual Supplement 3	CUC 2021
ST55-710 NIC/TOP	72010 021 4000	Service Manual	CUC 2020 N
ST55-715 NIC/TOP (VNM)	72010 024 7000 72010 024 7200	Service Manual Supplement 2	CUC 2021 N
ST55-725 A FT/GB	72010 021 4000	Service Manual	CUC 2020 N
ST55-725 B FT/TOP (VNM)	72010 024 7000 72010 024 7200	Service Manual Supplement 2	CUC 2021 N
ST55-730 GB/Dolby (VNM)	72010 024 7000 72010 024 7300	Service Manual Supplement 3	CUC 2021N
ST55-730 S/GB/DOLBY (VNM)	72010 024 7000 72010 024 7300 72010 024 7400	Service Manual Supplement 3 Supplement 4	CUC 2021 N
ST55-734 GB/DOLBY (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2121 GB
ST55-750 FR/TOP	72010 021 8000 72010 021 8100	Service Manual Supplement 1	CUC 2020 FR
ST55-798 TEXT	72010 016 8000 72010 016 8500 72010 016 8700	Service Manual Supplement 5 Supplement 7	CUC 7350
ST55-798 TEXT	72010 016 8000 72010 016 8500 72010 016 8700	Service Manual Supplement 5 Supplement 7	CUC 7350
ST55-800 A TOP	72010 021 4000	Service Manual	CUC 2020
ST55-800 NIC/TOP	72010 021 4000	Service Manual	CUC 2020 N
ST55-805 NIC/TOP (VNM)	72010 024 7000 72010 024 7200	Service Manual Supplement 2	CUC 2021 N
ST55-805 TOP (VNM)	72010 024 7000	Service Manual	CUC 2021
ST55-805 TOP/TR (VNM)	72010 024 7000	Service Manual	CUC 2021
ST55-825 FT/GB (VNM)	72010 024 7000 72010 024 7200	Service Manual Supplement 2	CUC 2021 N
ST55-829 NIC/Dolby (VNM)	72010 024 7000 72010 024 7300	Service Manual Supplement 3	CUC 2021N
ST55-834 GB/DOLBY (VNM)	72010 024 7000 72010 024 7300 72010 024 7400	Service Manual Supplement 3 Supplement 4	CUC 2021 N
ST55-839/8 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121 M
ST55-850 FR / TOP	72010 021 8000	Service Manual	CUC 2020 FR
ST55-850 NIC/TOP	72010 021 4000	Service Manual	CUC 2020 N
ST55-850 TOP	72010 021 4000	Service Manual	CUC 2020
ST55-855 TOP (VNM)	72010 024 7000	Service Manual	CUC 2021
ST55-898 DOlby (VNM)	72010 024 7000 72010 024 7300	Service Manual Supplement 3	CUC 2021
ST55-898 TOP (VNM)	72010 024 7000 72010 024 7200	Service Manual Supplement 2	CUC 2021 N
ST55-900 FR / TOP	72010 021 8000	Service Manual	CUC 2020 FR
ST55-905 FR/TOP (VNM)	72010 027 2000	Service Manual	CUC 2021F
ST55-906 FR/DOLBY (VNM)	72010 027 2000 72010 027 2100 72010 027 2200	Service Manual Supplement 1 Supplement 2	CUC 2021 F
ST55-908 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121
ST55-908/8 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121 M

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
ST55-908/8 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121 M
ST55-908/8 FR/DOLBY (VNM)	72010 041 1000	Service Manual	CUC 2121 F
ST55-934 GB/DOLBY (VNM)	72010 040 7000 72010 040 7100	Service Manual Supplement 1	CUC 2121 GB
ST55-998 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121
ST63-270/8 IDTV	72010 019 3000 72010 019 3100 72010 019 3200 72010 019 3300 72010 019 3600	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 6	CUC 1825
ST63-270/8 IDTV	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400	Service Manual Supplement 2 Supplement 3 Supplement 4	CUC 1836
ST63-270/8 IDTV 2 (VNA)	72010 026 9000 72010 026 9000 72010 026 9000	Service Manual Supplement 1 Supplement 3	CUC 1936
ST63-700 A NIC/FT (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST63-700 DPL/NIC/FT	72010 020 7000 72010 020 7100	Service Manual Supplement 1	CUC 2040 N
ST63-700 FR	72010 020 8000	Service Manual	CUC 2030
ST63-700 NIC/FT	72010 020 7000 72010 020 7100	Service Manual Supplement 1	CUC 2030 N
ST63-700 NIC/TEXT	72010 020 7000	Service Manual	CUC 2030 N
ST63-700 NIC/TOP	72010 020 7000	Service Manual	CUC 2030 N
ST63-700 TEXT	72010 020 7000	Service Manual	CUC 2030
ST63-701 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST63-702 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST63-702 TOP (VNM)	72010 024 8000	Service Manual	CUC 2032
ST63-702/8 DOLBY (VNM)	72010 041 6000 72010 041 6100	Service Manual Supplement 1	CUC 2130M
ST63-705 FR/TOP (VNM)	72010 020 8000 72010 020 8200 72010 020 8300 72010 020 8500	Service Manual Supplement 2 Supplement 3 Supplement 5	CUC 2035 F
ST63-705 NIC/TEXT	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4	CUC 2030 N
ST63-706 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST63-710 NIC/TEXT	72010 020 7000 72010 020 7100	Service Manual Supplement 1	CUC 2030 N

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
ST63-712 NIC/TOP (VNM)	72010 020 7000	Service Manual	CUC 2030 N
	72010 020 7100	Supplement 1	
	72010 020 7400	Supplement 4	
	72010 020 7800	Supplement 8	
	72010 020 7900	Supplement 9	
ST63-713/8 DOLBY (VNM)	72010 041 6000	Service Manual	CUC 2130M
	72010 041 6100	Supplement 1	
ST63-755 DPL	72010 020 7000	Service Manual	CUC 2040 N
	72010 020 7100	Supplement 1	
	72010 020 7300	Supplement 3	
ST63-780 NIC/TOP	72010 020 7000	Service Manual	CUC 2031 N
ST63-780 TEXT	72010 020 7000	Service Manual	CUC 2031
ST63-782 NIC/TOP (VNM)	72010 020 7000	Service Manual	CUC 2030 N
	72010 020 7100	Supplement 1	
	72010 020 7400	Supplement 4	
	72010 020 7800	Supplement 8	
	72010 020 7900	Supplement 9	
ST63-782 TOP (VNM)	72010 024 8000	Service Manual	CUC 2032
ST63-875 DPL/FT	72010 020 7000	Service Manual	CUC 2050 N
	72010 020 7100	Supplement 1	
	72010 020 7300	Supplement 3	
	72010 020 7400	Supplement 4	
	72010 026 0000	Service Manual		CUC 2030 N
72010 026 0300	Supplement 3		
72010 026 0400	Supplement 4		
ST70-200 IDTV	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
	72010 021 1000	Service Manual		CUC 1836
72010 021 1200	Supplement 2		
72010 021 1400	Supplement 4		
72010 021 1900	Supplement 9		
ST70-250 IDTV (VNM)	72010 026 9000	Service Manual	CUC 1836
ST70-260/8 IDTV (VNM)	72010 026 9000	Service Manual	CUC 1836
ST70-265/8 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1837
	72010 030 5100	Supplement 1	
	72010 030 5200	Supplement 2	
ST70-270 IDTV	72010 019 3000	Service Manual	CUC 1825
	72010 019 3100	Supplement 1	
	72010 019 3200	Supplement 2	
	72010 019 3300	Supplement 3	
	72010 021 1000	Service Manual		CUC 1836
72010 021 1200	Supplement 2		
72010 021 1300	Supplement 3		
72010 021 1400	Supplement 4		
ST70-270/8 IDTV	72010 019 3000	Service Manual	CUC 1825
	72010 019 3100	Supplement 1	
	72010 019 3200	Supplement 2	
	72010 019 3300	Supplement 3	
ST70-270/8 IDTV	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
ST70-278 IDTV	72010 019 3000	Service Manual	CUC 1825
	72010 019 3100	Supplement 1	
	72010 019 3200	Supplement 2	
	72010 019 3300	Supplement 3	
	72010 019 3600	Supplement 6	

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
ST70-278 IDTV	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400	Service Manual Supplement 2 Supplement 3 Supplement 4	CUC 1836
ST70-280 IDTV	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7	CUC 1836
ST70-280 IDTV	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7	CUC 1836
ST70-282/8 (VNM)	72010 026 9000 72010 026 9100	Service Manual Supplement 1	CUC 1836
ST70-282/8 (VNX)	72010 026 9000 72010 026 9000 72010 026 9000	Service Manual Supplement 1 Supplement 3	CUC 1936
ST70-298 IDTV (VNM)	72010 026 9000 72010 026 9100	Service Manual Supplement 1	CUC 1836
ST70-398 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1837
ST70-600 TEXT	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3	CUC 2030
ST70-602 NIC/TOP (VNM)	72010 026 0000	Service Manual	CUC 2030N
ST70-602 NIC/TOP (VNM)	72010 026 0000	Service Manual	CUC 2030 N
ST70-700 A NIC/FT (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST70-700 FR	72010 020 8000	Service Manual	CUC 2030
ST70-700 NIC/FT	72010 020 7000 72010 020 7100	Service Manual Supplement 1	CUC 2030 N
ST70-700 NIC/TEXT	72010 020 7000	Service Manual	CUC 2030 N
ST70-700 NIC/TOP	72010 020 7000	Service Manual	CUC 2030 N
ST70-700 S/GB/DOLBY (VNM,VNA)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2030 N
ST70-700 TEXT	72010 020 7000	Service Manual	CUC 2030
ST70-701 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST70-7010 NIC/DOLBY (VNM)	72010 026 0300 72010 026 0000	Service Manual Supplement 3	CUC 2030 N
ST70-702 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST70-702 TOP (VNM)	72010 024 8000	Service Manual	CUC 2032
ST70-702 TOP/TR (VNM)	72010 024 8000	Service Manual	CUC 2032
ST70-703 NIC/TOP (VNM)	72010 026 0000	Service Manual	CUC 2030N
ST70-703 NIC/TOP (VNM)	72010 026 0000	Service Manual	CUC 2030 N

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
ST70-705 FR TITANE (VNM)	72010 020 8000 72010 020 8200 72010 020 8600	Service Manual Supplement 2 Supplement 6	CUC 2035 F
ST70-705 FR/TOP (VNM)	72010 020 8000 72010 020 8200 72010 020 8300 72010 020 8500	Service Manual Supplement 2 Supplement 3 Supplement 5	CUC 2035 F
ST70-705 NIC/TEXT	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4	CUC 2030 N
ST70-706 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST70-707 NIC/FT (VNM)	72010 026 0000 72010 026 0100	Service Manual Supplement 1	CUC 2030N
ST70-708 GB/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2030 N
ST70-710 DPL/NIC/FT	72010 020 7000 72010 020 7100	Service Manual Supplement 1	CUC 2040 N
ST70-710 NIC/TEXT	72010 020 7000 72010 020 7100	Service Manual Supplement 1	CUC 2030 N
ST70-712 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST70-712/5 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST70-713/8 DOLBY (VNM)	72010 041 6000 72010 041 6100	Service Manual Supplement 1	CUC 2130M
ST70-715 NIC/TOP	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3	CUC 2030 N
ST70-730 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST70-740NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2030 N
ST70-741/8 DOLBY (VNM)	72010 041 6000 72010 041 6100	Service Manual Supplement 1	CUC 2130M
ST70-742 PIP/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2050
ST70-743 PIP/DOLBY (VNM)	72010 043 1000	Service Manual	CUC 2060
ST70-755 DPL	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3	CUC 2040 N
ST70-780 FR /TOP	72010 020 8000	Service Manual	CUC 2030
ST70-780 NIC/TOP	72010 020 7000	Service Manual	CUC 2030 N

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
ST70-780 TEXT	72010 020 7000	Service Manual	CUC 2030 N
ST70-782 DOLBY (VNM)	72010 024 8000 72010 024 8400	Service Manual Supplement 4	CUC 2032
ST70-782 NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2030 N
ST70-782 NIC/TOP (VNM)	72010 020 7000 72010 020 7100 72010 020 7400 72010 020 7800 72010 020 7900	Service Manual Supplement 1 Supplement 4 Supplement 8 Supplement 9	CUC 2030 N
ST70-782 TOP (VNM)	72010 024 8000	Service Manual	CUC 2032
ST70-788	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3	CUC 2030
ST70-788 A (VNM)	72010 024 8000 72010 024 8100	Service Manual Supplement 1	CUC 2032
ST70-789 NIC/DOLBY (VNM)	72010 024 8000 72010 024 8200	Service Manual Supplement 2	CUC 2032 N
ST70-798 A TEXT (VNM)	72010 024 8000 72010 024 8100	Service Manual Supplement 1	CUC 2032
ST70-798 TEXT	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3	CUC 2030
ST70-802 FR/Dolby (VNM)	72010 028 6000	Service Manual	CUC 2035F
ST70-810 DPL	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4	CUC 2050 N
ST70-819 NIC/TOP	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4	CUC 2050 N
ST70-820 TOP (VNM)	72010 024 8000	Service Manual	CUC 2032
ST70-822 DOLBY (VNM)	72010 024 8000 72010 024 8200	Service Manual Supplement 2	CUC 2032
ST70-822/4 Dplby (VNM)	72010 026 0000 72010 026 0200	Service Manual Supplement 2	CUC 2030N
ST70-829 NIC/Dolby (VNM)	72010 026 0000 72010 026 0200	Service Manual Supplement 2	CUC 2050N
ST70-839 NIC/DOLBY (VNM)	72010 026 0000 72010 026 0300 72010 026 0400	Service Manual Supplement 3 Supplement 4	CUC 2050 N
ST70-860 FR/TOP	72010 020 8000 72010 020 8200 72010 020 8300	Service Manual Supplement 2 Supplement 3	CUC 2030 F
ST70-869 A IDTV (VNM)	72010 026 9000	Service Manual	CUC 1836
ST70-869 IDTV	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7	CUC 1836
ST70-869 IDTV	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7	CUC 1836

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
ST70-875 DPL/FT	72010 020 7000	Service Manual	CUC 2050 N
	72010 020 7100	Supplement 1	
	72010 020 7300	Supplement 3	
	72010 020 7400	Supplement 4	
ST70-898 NIC/DOLBY (VNM)	72010 024 8000	Service Manual	CUC 2032 N
	72010 024 8200	Supplement 2	
ST70-898(8A SOLBY (VNM)	72010 041 6000	Service Manual	CUC 2130M
	72010 041 6100	Supplement 1	
ST70-97 IDTV	72010 019 3000	Service Manual	CUC 1825
	72010 019 3100	Supplement 1	
	72010 019 3200	Supplement 2	
ST72-01 IDTV	72010 019 3000	Service Manual	CUC 1826
	72010 019 3100	Supplement 1	
	72010 019 3200	Supplement 2	
	72010 019 3300	Supplement 3	
ST72-600 TOP (VNM)	72010 024 8000	Service Manual	CUC 2033
ST72-700 TOP	72010 020 7000	Service Manual	CUC 2051 N
	72010 020 7100	Supplement 1	
	72010 020 7300	Supplement 3	
	72010 020 7400	Supplement 4	
ST72-860 FR /TOP	72010 020 8000	Service Manual	CUC 2031 F
ST72-860 NIC/TOP	72010 020 7000	Service Manual	CUC 2031 N
ST72-860 TOP	72010 020 7000	Service Manual	CUC 2031
ST72-862 TOP (VNM)	72010 024 8000	Service Manual	CUC 2033
ST72-864 DOLBY (VNM)	72010 024 8000	Service Manual	CUC 2033
	72010 024 8200	Supplement 2	
ST72-864 FR/Dolby (VNM)	72010 028 6000	Service Manual	CUC 2033F
ST72-865 NIC/TOP	72010 020 7000	Service Manual	CUC 2031 N
	72010 020 7100	Supplement 1	
ST72-870 FR/TOP (VNM)	72010 020 8000	Service Manual	CUC 2031 F
	72010 020 8200	Supplement 2	
	72010 020 8300	Supplement 3	
	72010 020 8500	Supplement 5	
ST84-8910 NIC/DOLBY (VNM)	72010 026 0300	Service Manual	CUC 2080 N
	72010 026 0000	Supplement 3	
ST84-896 FR / TOP	72010 020 8000	Service Manual	CUC2080 F
	72010 020 8200	Supplement 2	
ST84-896 NIC/TOP	72010 020 7000	Service Manual	CUC 2080 N
	72010 020 7100	Supplement 1	
	72010 020 7300	Supplement 3	
	72010 020 7400	Supplement 4	
ST84-896 NIC/TOP (VNA)	72010 026 0000	Service Manual	CUC 2080N
ST84-896 NIC/TOP (VNA)	72010 026 0000	Service Manual	CUC 2080 N
ST84-899 Dolby (VNM)	72010 026 0000	Service Manual	CUC 2080
	72010 026 0200	Supplement 2	
ST84-899 FR/Dolby (VNM)	72010 020 8000	Service Manual	CUC 2080F
	72010 020 8200	Supplement 2	
	72010 020 8400	Supplement 4	
	72010 020 8700	Supplement 7	
	72010 020 8800	Supplement 8	
STATUS VISION MFW82-720/9 DVD/GB (VNM)	72010 024 9000	Service Manual	CUC 1931
	72010 024 9200	Supplement 2	
	72010 024 9400	Supplement 4	
	72010 024 9800	Supplement 8	

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
SYDNEY 100 SE7020 IDTV/LOG	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
SYDNEY 100 SE7020 IDTV/LOG	72010 019 3000	Service Manual	CUC 1826
	72010 019 3100	Supplement 1	
	72010 019 3200	Supplement 2	
SYDNEY 100 SE7021 IDTV/PIP	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
SYDNEY 100/8 SE7020 IDTV/LOG	72010 021 1000	Service Manual	CUC 1836
	72010 021 1200	Supplement 2	
	72010 021 1300	Supplement 3	
	72010 021 1400	Supplement 4	
SYDNEY 100/8 SE7020/8 IDTV/LOG	72010 019 3000	Service Manual	CUC 1826
	72010 019 3100	Supplement 1	
	72010 019 3200	Supplement 2	
SYDNEY 2000 SE7230 DOLBY (VNM)	72010 024 9000	Service Manual	CUC 1832
	72010 024 9400	Supplement 4	
SYDNEY SE7230 DOLBY (VNG)	72010 024 9000	Service Manual	CUC 1832
	72010 024 9300	Supplement 3	
	72010 024 9400	Supplement 4	
	72010 024 9700	Supplement 7	
SYDNEY SE7230 DOLBY (VNM)	72010 024 9000	Service Manual	CUC 1832
SYDNEY SE7230 DOLBY (VNX)	72010 024 9000	Service Manual	CUC 1832
	72010 024 9300	Supplement 3	
SYDNEY SE7230/8 DOLBY (VNA)	72010 024 9000	Service Manual	CUC 1832
	72010 024 9300	Supplement 3	
SYDNEY SE7230/8 DOLBY (VNM)	72010 024 9000	Service Manual	CUC 1832
	72010 024 9300	Supplement 3	
SYDNEY SE7230/8 DOLBY (VNX)	72010 024 9000	Service Manual	CUC 1832
	72010 024 9300	Supplement 3	
	72010 024 9400	Supplement 4	
	72010 024 9700	Supplement 7	
SYDNEY SE7240 DOLBY (VNM)	72010 030 5000	Service Manual	CUC 1838
	72010 030 5100	Supplement 1	
T51-071 (VNX)	72010 026 1000	Service Manual	CUC 7303
T51-071 TR (VNA)	72010 026 1000	Service Manual	CUC 7303
T51-071 TR (VNM)	72010 019 4000	Service Manual	CUC 7303
	72010 019 4600	Supplement 6	
	72010 021 9100	Supplement 11	
T51-3035 TEXT	72010 019 4000	Service Manual	CUC 7303
	72010 019 4100	Supplement 1	
	72010 019 4200	Supplement 2	
T51-3035 TEXT (VNX)	72010 026 1000	Service Manual	CUC 7303
T51-3050 text (VNM)	72010 026 1000	Service Manual	CUC 7303 with PLL
	72010 026 1100	Supplement 1	
	72010 026 1200	Supplement 2	
T51-720 TEXT (VNX)	72010 026 1000	Service Manual	CUC 7303
T51-730 MEGASIS	72010 017 8000	Service Manual	CUC 7301
	72010 017 8100	Supplement 1	
	72010 017 8200	Supplement 2	
	72010 017 8300	Supplement 3	
	72010 017 8400	Supplement 4	
	72010 017 8500	Supplement 5	

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
T51-730/5 MEGASIS	72010 017 8000	Service Manual	CUC 7301
	72010 017 8100	Supplement 1	
	72010 017 8200	Supplement 2	
	72010 017 8300	Supplement 3	
	72010 017 8400	Supplement 4	
T51-731 TEXT (VNX)	72010 026 1000	Service Manual	CUC 7303
T51-731 TEXT/TR (VNA)	72010 026 1000	Service Manual	CUC 7303
T51-731 TEXT/TR (VNM)	72010 019 4000	Service Manual	CUC 7303
	72010 019 4600	Supplement 6	
	72010 021 9100	Supplement 11	
T51-732/4 TEXT (VNA)	72010 026 1000	Service Manual	CUC 7303
T51-830 MULTI/ICN	72010 024 0000	Service Manual	CUC 2003 H
	72010 024 0100	Supplement 1	
T51-830 MULTI/ICN (VNM)	72010 024 0000	Service Manual	CUC 2003 H
	72010 024 0100	Supplement 1	
T51-830 text (VNM)	72010 026 1000	Service Manual	CUC 7303 with PLL
	72010 026 1100	Supplement 1	
	72010 026 1200	Supplement 2	
T51-830 text/TR (VNM)	72010 026 1000	Service Manual	CUC 7303 with PLL
	72010 026 1100	Supplement 1	
	72010 026 1200	Supplement 2	
T51-830/12 TEXT (VNM)	72010 028 9000	Service Manual	CUC 7305
T51-830/4 text (VNM)	72010 026 1000	Service Manual	CUC 7303 with PLL
	72010 026 1100	Supplement 1	
	72010 026 1200	Supplement 2	
T55-3035	72010 019 4000	Service Manual	CUC 7303
	72010 019 4100	Supplement 1	
	72010 019 4200	Supplement 2	
	72010 019 4300	Supplement 3	
T55-3035 TEXT	72010 019 4000	Service Manual	CUC 7303
	72010 019 4100	Supplement 1	
	72010 019 4200	Supplement 2	
T55-3035 TEXT (VNX)	72010 026 1000	Service Manual	CUC 7303
T55-3050 text (VNM)	72010 026 1000	Service Manual	CUC 7303 with PLL
	72010 026 1100	Supplement 1	
	72010 026 1200	Supplement 2	
T55-600 text (VNM)	72010 026 1000	Service Manual	CUC 7303 with PLL
	72010 026 1100	Supplement 1	
	72010 026 1200	Supplement 2	
T55-730 MEGASIS	72010 017 8000	Service Manual	CUC 7301
	72010 017 8100	Supplement 1	
	72010 017 8200	Supplement 2	
	72010 017 8300	Supplement 3	
	72010 017 8400	Supplement 4	
	72010 017 8500	Supplement 5	
T55-730/5 MEGASIS	72010 017 8000	Service Manual	CUC 7301
	72010 017 8100	Supplement 1	
	72010 017 8200	Supplement 2	
	72010 017 8300	Supplement 3	
	72010 017 8400	Supplement 4	
	72010 017 8500	Supplement 5	
T55-730/5 TEXT ICN	72010 017 8000	Service Manual	CUC 7301
	72010 017 8100	Supplement 1	
	72010 017 8200	Supplement 2	
	72010 017 8300	Supplement 3	
	72010 017 8400	Supplement 4	

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
T55-805 TEXT/TR (VNM)	72010 026 1000 72010 026 1100 72010 026 1300	Service Manual Supplement 1 Supplement 3	CUC 7303
T55-830 FT/GB	72010 019 4000 72010 019 4600 72010 019 4700	Service Manual Supplement 6 Supplement 7	CUC 7303
T55-830 FT/GB (VNA)	72010 026 1000 72010 026 1100 72010 026 1300	Service Manual Supplement 1 Supplement 3	CUC 7303
T55-830 FT/IR	72010 019 4000 72010 019 4600 72010 019 4700	Service Manual Supplement 6 Supplement 7	CUC 7303
T55-830 FT/IR (VNA)	72010 026 1000 72010 026 1100 72010 026 1200	Service Manual Supplement 1 Supplement 2	CUC 7303 with PLL
T55-830 MULTI MEGASIS	72010 024 0000 72010 024 0100	Service Manual Supplement 1	CUC 2003 H
T55-830 MULTI MEGASIS (VNM)	72010 024 0000 72010 024 0100	Service Manual Supplement 1	CUC 2003 H
T55-830 MULTI/COM (VNM)	72010 024 0000 72010 024 0100 72010 024 0200	Service Manual Supplement 1 Supplement 2	CUC 2003 H
T55-830 MULTI/ICN	72010 024 0000	Service Manual	CUC 2003 H
T55-830 MULTI/ICN (VNM)	72010 024 0000 72010 024 0100	Service Manual Supplement 1	CUC 2003 H
T55-830 TEXT (VNA)	72010 026 1000	Service Manual	CUC 7303
T55-830 TEXT/TR (VNA)	72010 026 1000	Service Manual	CUC 7303
T55-830 TEXT/TR (VNM)	72010 019 4000 72010 019 4600 72010 021 9100	Service Manual Supplement 6 Supplement 11	CUC 7303
T55-830/ TEXT	72010 019 4000 72010 019 4600 72010 019 4700	Service Manual Supplement 6 Supplement 7	CUC 7303
T55-830/4 TEXT	72010 019 4000 72010 019 4600 72010 019 4700	Service Manual Supplement 6 Supplement 7	CUC 7303
T55-830/4 TEXT (VNA)	72010 026 1000	Service Manual	CUC 7303
T55-837 TEXT (VNA)	72010 026 1000 72010 026 1100 72010 026 1300	Service Manual Supplement 1 Supplement 3	CUC 7303
T55-837 text (VNA)	72010 026 1000 72010 026 1100	Service Manual Supplement 1	CUC 7303
T55-837 TEXT (VNM)	72010 019 4000 72010 019 4600 72010 021 9000	Service Manual Supplement 6 Supplement 10	CUC 7303
T55-838 text (VNA)	72010 026 1000 72010 026 1100	Service Manual Supplement 1	CUC 7303
T55-838 TEXT (VNM)	72010 019 4000 72010 019 4600 72010 021 9000	Service Manual Supplement 6 Supplement 10	CUC 7303
T55-840 TOP/SAT	72010 024 0000	Service Manual	CUC 2003
T55-840 TOP/SAT (VNM)	72010 024 0000 72010 024 0100	Service Manual Supplement 1	CUC 2003
T55-842 FR	72010 019 6000 72010 019 6300 72010 019 6400	Service Manual Supplement 3 Supplement 4	CUC 7303 FR

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
T55-843 FR MEGASIS	72010 018 5000 72010 018 5100	Service Manual Supplement 1	CUC 7301 F ASIS
T55-844 FR (VNA)	72010 025 7000	Service Manual	CUC 7303F
T55-844 FR (VNA)	72010 025 7000	Service Manual	CUC 7303 F
T55-846 FR	72010 019 6000 72010 019 6100 72010 019 6200	Service Manual Supplement 1 Supplement 2	CUC 7303 F
T55-847 FR / TEXT	72010 019 6000 72010 019 6300 72010 019 6400	Service Manual Supplement 3 Supplement 4	CUC 7303 FR
T55-848 FR Text (VNA)	72010 025 7000	Service Manual	CUC 7303F
T55-848 FR TEXT (VNA)	72010 025 7000	Service Manual	CUC 7303 F
T55-930 FT/GB (VNA)	72010 026 1000 72010 026 1100 72010 026 1300	Service Manual Supplement 1 Supplement 3	CUC 7303
T55-930 FT/IR	72010 026 1000 72010 026 1100 72010 026 1200	Service Manual Supplement 1 Supplement 2	CUC 7303 with PLL
TORONTO SE7215 (VNM)	72010 026 9000 72010 026 9100	Service Manual Supplement 1	CUC 1830
TORONTO SE7215/8 (VNM)	72010 026 9000 72010 026 9100	Service Manual Supplement 1	CUC 1830
TORONTO SE7216 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1838
TORONTO SE7216/8 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1838
TRENTO SE7026 PALPLUS	72010 019 9000 72010 019 9100	Service Manual Supplement 1	CUC 1952
WIEN 100 SE6320 IDTV/LOG	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400	Service Manual Supplement 2 Supplement 3 Supplement 4	CUC 1836
WIEN 100 SE6320 IDTV/LOG	72010 019 3000 72010 019 3100 72010 019 3200	Service Manual Supplement 1 Supplement 2	CUC 1826
WIEN SE6340 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1837
XENTIA 55 FLAT MF55-5101 FR/DOLBY (VNM)	72010 028 6000 72010 028 6100 72010 028 6200	Service Manual Supplement 1 Supplement 2	CUC 2036 F
XENTIA 55 FLAT MF55-5101 NIC/DOLBY (VNM)	72010 024 8000 72010 024 8400 72010 024 8500	Service Manual Supplement 4 Supplement 5	CUC 2036 N
XENTIA 55 M55-420/8 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1807
XENTIA 55 ST55-400 Dolby (VNM)	72010 024 7000 72010 024 7300	Service Manual Supplement 3	CUC 2021
XENTIA 55 ST55-400 FR/DOLBY (VNM)	72010 027 2000 72010 027 2100	Service Manual Supplement 1	CUC 2021 F
XENTIA 55 ST55-400 NIC/Dolby (VNM)	72010 024 7000 72010 024 7300	Service Manual Supplement 3	CUC 2021N
XENTIA 55 ST55-405 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121
XENTIA 55 ST55-405/8 DOLBY (VNM)	72010 040 7000	Service Manual	CUC 2121 M
XENTIA 63 M63-400/8 (VNM)	72010 026 9000	Service Manual	CUC 1836
XENTIA 63 M63-420/8 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1837

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

TV Set	Part Number	Kind of Manual	Chassis
XENTIA 63 ST63-400/4 DOLBY (VNM)	72010 026 0000 72010 026 0200	Service Manual Supplement 2	CUC 2030N
XENTIA 63 ST63-4101/8 DOLBY (VNM)	72010 041 6000 72010 041 6100	Service Manual Supplement 1	CUC 2130M
XENTIA 70 FLAT MFW70-430/8 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1934
XENTIA 70 FLAT MFW70-490/8 GB/DOLBY (VNM)	72010 024 9000 72010 024 9200 72010 024 9400 72010 024 9800	Service Manual Supplement 2 Supplement 4 Supplement 8	CUC 1930
XENTIA 70 FLAT MFW82-490/9 DOLBY (VNM)	72010 024 9000 72010 024 9400	Service Manual Supplement 4	CUC 1930
XENTIA 72 FLAT MF72-430 DOLBY (VNM)	72010 030 5000 72010 030 5100 72010 030 5200	Service Manual Supplement 1 Supplement 2	CUC 1838
XENTIA 72 FLAT MF72-430/8 DOLBY (VNM)	72010 030 5000 72010 030 5100 72010 030 5200	Service Manual Supplement 1 Supplement 2	CUC 1838
XENTIA 72 FLAT MF72-490 DOLBY (VNA)	72010 024 9000 72010 024 9100 72010 024 9400 72010 024 9600	Service Manual Supplement 1 Supplement 4 Supplement 6	CUC 1832
XENTIA 72 FLAT MF72-490 DOLBY (VNM)	72010 024 9000 72010 024 9100	Service Manual Supplement 1	CUC 1832
XENTIA 72 FLAT MF72-490/8 DOLBY (VNA)	72010 024 9000 72010 024 9100 72010 024 9400 72010 024 9600	Service Manual Supplement 1 Supplement 4 Supplement 6	CUC 1832
XENTIA 72 FLAT MF72-490/8 DOLBY (VNM)	72010 024 9000 72010 024 9100	Service Manual Supplement 1	CUC 1832
XENTIA 72 M72-400 DOLBY (VNM)	72010 024 9000 72010 024 9100	Service Manual Supplement 1	CUC 1832
XENTIA 72 M72-400 DOLBY (VNX)	72010 024 9000 72010 024 9100 72010 024 9400 72010 024 9600	Service Manual Supplement 1 Supplement 4 Supplement 6	CUC 1832
XENTIA 72 M72-400/8 DOLBY (VNM)	72010 024 9000 72010 024 9100	Service Manual Supplement 1	CUC 1832
XENTIA 72 M72-400/8 DOLBY (VNX)	72010 024 9000 72010 024 9100 72010 024 9400 72010 024 9600	Service Manual Supplement 1 Supplement 4 Supplement 6	CUC 1832
XENTIA 72 M72-420 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1838
XENTIA 72 M72-420/8 DOLBY (VNM)	72010 030 5000 72010 030 5100	Service Manual Supplement 1	CUC 1838
XENTIA 82 FLAT MFW82-430/8 DOLBY (VNM)	72010 030 5000 72010 030 5100 72010 030 5200	Service Manual Supplement 1 Supplement 2	CUC 1935
XENTIA 82 FLAT MFW82-490/9 DOLBY (VNM)	72010 024 9000 72010 024 9400	Service Manual Supplement 4	CUC 1931
XENTIA 82 FLAT MFW82-490/9 GB/DOLBY (VNM)	72010 024 9000 72010 024 9200 72010 024 9400 72010 024 9800	Service Manual Supplement 2 Supplement 4 Supplement 8	CUC 1931

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

Service Manuals sorted by Chassis

Chassis		Part Number	Kind of Manual
CUC 1805	DIGI BASIC	72010 019 3000 72010 019 3100 72010 019 3200	Service Manual Supplement 1 Supplement 2
CUC 1806	DIGI BASIC ++	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1600 72010 021 1900	Service Manual Supplement 2 Supplement 4 Supplement 6 Supplement 9
CUC 1807	DIGI 100	72010 030 5000 72010 030 5100	Service Manual Supplement 1
CUC 1825	DIGI BASIC	72010 019 3000 72010 019 3100 72010 019 3200 72010 019 3300 72010 019 3600	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 6
CUC 1826	DIGI BASIC +	72010 019 3000 72010 019 3100 72010 019 3200 72010 019 3300 72010 019 3600	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 6
CUC 1828	DIGI BASIC ++	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1600	Service Manual Supplement 2 Supplement 4 Supplement 6
CUC 1829	DIGI BASIC ++	72010 021 1000 72010 021 1200	Service Manual Supplement 2
CUC 1830	DIGI BASIC ++	72010 021 1000 72010 021 1200 72010 021 1400 72010 021 1600 72010 021 1900	Service Manual Supplement 2 Supplement 4 Supplement 6 Supplement 9
CUC 1830 (from 3/2000 on)	DIGI BASIC ++	72010 026 9000 72010 026 9100 72010 026 9300	Service Manual Supplement 1 Supplement 3
CUC 1832	DIGI Basic 3	72010 024 9000 72010 024 9100 72010 024 9300 72010 024 9400 72010 024 9600 72010 024 9700	Service Manual Supplement 1 Supplement 3 Supplement 4 Supplement 6 Supplement 7
CUC 1836	DIGI BASIC ++	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700 72010 021 1900	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7 Supplement 9
CUC 1836 from 11/99 on)	DIGI BASIC ++	72010 026 9000 72010 026 9100 72010 026 9300	Service Manual Supplement 1 Supplement 3
CUC 1837	DIGI 100	72010 030 5000 72010 030 5100 72010 030 5200 72010 030 5300	Service Manual Supplement 1 Supplement 2 Supplement 3
CUC 1838	DIGI 100	72010 030 5000 72010 030 5100 72010 030 5200 72010 030 5300 72010 030 5400	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 4
CUC 1839	DIGI 100	72010 030 5000 72010 030 5100 72010 030 5400	Service Manual Supplement 1 Supplement 4

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

Chassis		Part Number	Kind of Manual
CUC 1842	DIGI 6	72010 019 9000	Service Manual
CUC 1894	DIGI 6	72010 019 9000 72010 019 9100 72010 019 9200	Service Manual Supplement 1 Supplement 2
CUC 1929	DIGI BASIC ++	72010 021 1000 72010 021 1200 72010 021 1300 72010 021 1400 72010 021 1700 72010 021 1800	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 7 Supplement 8
CUC 1929 (from 11/99 on)	DIGI BASIC ++	72010 026 9000 72010 026 9100 72010 026 9300	Service Manual Supplement 1 Supplement 3
CUC 1930	DIGI Basic 3	72010 024 9000 72010 024 9100 72010 024 9400 72010 024 9500 72010 024 9800	Service Manual Supplement 1 Supplement 4 Supplement 5 Supplement 8
CUC 1931	DIGI Basic 3	72010 024 9000 72010 024 9100 72010 024 9200 72010 024 9300 72010 024 9400 72010 024 9500 72010 024 9700 72010 024 9800 72010 024 9900 72010 041 9100	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 4 Supplement 5 Supplement 7 Supplement 8 Supplement 9 Supplement 10
CUC 1934	DIGI 100	72010 030 5000 72010 030 5100 72010 030 5200 72010 030 5300	Service Manual Supplement 1 Supplement 2 Supplement 3
CUC 1935	DIGI 100	72010 030 5000 72010 030 5100 72010 030 5200 72010 030 5300	Service Manual Supplement 1 Supplement 2 Supplement 3
CUC 1937	DIGI 100	72010 042 3000	Service Manual
CUC 1952	DIGI 6	72010 019 9000 72010 019 9100 72010 019 9200 72010 019 9400	Service Manual Supplement 1 Supplement 2 Supplement 4
CUC 1983	DIGI 6	72010 019 9000 72010 019 9100 72010 019 9200 72010 019 9400 72010 019 9500	Service Manual Supplement 1 Supplement 2 Supplement 4 Supplement 5
CUC 1984	DIGI 6	72010 019 9000 72010 019 9100 72010 019 9200 72010 019 9400	Service Manual Supplement 1 Supplement 2 Supplement 4
CUC 2003		72010 024 0000 72010 024 0100	Service Manual Supplement 1
CUC 2003 H		72010 024 0000 72010 024 0100 72010 024 0200	Service Manual Supplement 1 Supplement 2
CUC 2005		72010 026 2000	Service Manual
CUC 2020		72010 021 4000	Service Manual
CUC 2020 FR		72010 021 8000 72010 021 8100	Service Manual Supplement 1

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

Chassis	Part Number	Kind of Manual
CUC 2020 N	72010 021 4000	Service Manual
CUC 2021	72010 024 7000 72010 024 7300	Service Manual Supplement 3
CUC 2021 F	72010 027 2000 72010 027 2100 72010 027 2200	Service Manual Supplement 1 Supplement 2
CUC 2021 N	72010 024 7000 72010 024 7200 72010 024 7300 72010 024 7400	Service Manual Supplement 2 Supplement 3 Supplement 4
CUC 2030	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3
CUC 2030 F	72010 020 8000 72010 020 8200 72010 020 8300	Service Manual Supplement 2 Supplement 3
CUC 2030 N	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400 72010 020 7900	Service Manual Supplement 1 Supplement 3 Supplement 4 Supplement 9
CUC 2030 N (from 11/99 on)	72010 026 0000 72010 026 0100 72010 026 0200 72010 026 0300 72010 026 0400	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 4
CUC 2031	72010 020 7000 72010 020 7100	Service Manual Supplement 1
CUC 2031 F	72010 020 8000 72010 020 8500	Service Manual Supplement 5
CUC 2031 N	72010 020 7000 72010 020 7100	Service Manual Supplement 1
CUC 2032	72010 024 8000 72010 024 8100 72010 024 8200 72010 024 8300 72010 024 8400	Service Manual Supplement 1 Supplement 2 Supplement 3 Supplement 4
CUC 2032 N	72010 024 8000 72010 024 8200	Service Manual Supplement 2
CUC 2033	72010 024 8000 72010 024 8200	Service Manual Supplement 2
CUC 2033 F	72010 028 6000	Service Manual
CUC 2033 N	72010 024 8000 72010 024 8300	Service Manual Supplement 3
CUC 2035 F	72010 020 8000 72010 020 8200 72010 020 8300 72010 020 8500 72010 020 8600	Service Manual Supplement 2 Supplement 3 Supplement 5 Supplement 6
CUC 2035 F (from 11/99 on)	72010 028 6000 72010 028 6100	Service Manual Supplement 1
CUC 2036 F	72010 028 6000 72010 028 6100 72010 028 6200	Service Manual Supplement 1 Supplement 2
CUC 2036 N	72010 024 8000 72010 024 8400 72010 024 8500	Service Manual Supplement 4 Supplement 5

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

Chassis	Part Number	Kind of Manual
CUC 2040 India	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3
CUC 2040 N	72010 020 7000 72010 020 7100 72010 020 7300	Service Manual Supplement 1 Supplement 3
CUC 2050 N	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4
CUC 2050 N (from 11/99 on)	72010 026 0000 72010 026 0100 72010 026 0200	Service Manual Supplement 1 Supplement 2
CUC 2051 N	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400	Service Manual Supplement 1 Supplement 3 Supplement 4
CUC 2058 D	72010 025 9000 72010 025 9100 72010 025 9200	Service Manual Supplement 1 Supplement 2
CUC 2058 F	72010 020 8000 72010 020 8200 72010 020 8400 72010 020 8800	Service Manual Supplement 2 Supplement 4 Supplement 8
CUC 2058 N	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400 72010 020 7800	Service Manual Supplement 1 Supplement 3 Supplement 4 Supplement 8
CUC 2058 N (from 11/99 on)	72010 026 0000 72010 026 0100 72010 026 0200 72010 026 0300	Service Manual Supplement 1 Supplement 2 Supplement 3
CUC 2059 D	72010 025 9000 72010 025 9100 72010 025 9200	Service Manual Supplement 1 Supplement 2
CUC 2059 F	72010 020 8000 72010 020 8200 72010 020 8300 72010 020 8400 72010 020 8800	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 8
CUC 2059 N	72010 020 7000 72010 020 7100 72010 020 7300 72010 020 7400 72010 020 7800	Service Manual Supplement 1 Supplement 3 Supplement 4 Supplement 8
CUC 2059 N (from 11/99 on)	72010 026 0000 72010 026 0100 72010 026 0200 72010 026 0300	Service Manual Supplement 1 Supplement 2 Supplement 3
CUC 2060	72010 043 1000	Service Manual
CUC 2068N	72010 043 1000	Service Manual
CUC 2080 F	72010 020 8000 72010 020 8200 72010 020 8300 72010 020 8400 72010 020 8800	Service Manual Supplement 2 Supplement 3 Supplement 4 Supplement 8
CUC 2080 F	72010 020 8000 72010 020 8200	Service Manual Supplement 2

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!



Chassis	Part Number	Kind of Manual
CUC 2080 N	72010 020 7000	Service Manual
	72010 020 7100	Supplement 1
	72010 020 7300	Supplement 3
	72010 020 7400	Supplement 4
CUC 2080 N (from 11/99 on)	72010 026 0000	Service Manual
	72010 026 0100	Supplement 1
	72010 026 0200	Supplement 2
	72010 026 0300	Supplement 3
CUC 2100	72010 040 7000	Service Manual
	72010 040 7100	Supplement 1
	72010 040 7200	Supplement 2
CUC 2103	72010 040 7000	Service Manual
	72010 040 7100	Supplement 1
	72010 040 7200	Supplement 2
	72010 040 7300	Supplement 3
CUC 2103 GB	72010 040 7000 72010 040 7100	Service Manual Supplement 1
CUC 2103 M	72010 040 7000	Service Manual
CUC 2105	72010 040 7000	Service Manual
	72010 040 7300	Supplement 3
CUC 2121	72010 040 7000	Service Manual
	72010 040 7200	Supplement 2
CUC 2121 F	72010 041 1000	Service Manual
CUC 2121 GB	72010 040 7000	Service Manual
	72010 040 7100	Supplement 1
CUC 2121 M	72010 040 7000	Service Manual
	72010 040 7200	Supplement 2
	72010 040 7300	Supplement 3
CUC 2130	72010 041 6000	Service Manual
	72010 041 6100	Supplement 1
CUC 2130 M	72010 041 6000	Service Manual
	72010 041 6100	Supplement 1
CUC 2136 M	72010 041 6000	Service Manual
	72010 041 6100	Supplement 1
CUC 7301	72010 017 8000	Service Manual
	72010 017 8100	Supplement 1
	72010 017 8200	Supplement 2
	72010 017 8400	Supplement 4
	72010 017 8500	Supplement 5
CUC 7301 F ASIS	72010 018 5000	Service Manual
	72010 018 5100	Supplement 1
CUC 7303 F	72010 019 6000	Service Manual
	72010 019 6200	Supplement 2
	72010 019 6300	Supplement 3
	72010 019 6400	Supplement 4
	72010 019 6500	Supplement 5
	72010 019 6600	Supplement 6
CUC 7303 F with PLL	72010 025 7000	Service Manual
CUC 7303 MINERVA	72010 020 5000	Service Manual
CUC 7303 with PLL	72010 026 1000	Service Manual
	72010 026 1100	Supplement 1
	72010 026 1200	Supplement 2
	72010 026 1300	Supplement 3
CUC 7305	72010 019 5000	Service Manual
	72010 019 5100	Supplement 1
CUC 7305 with PLL	72010 028 9000	Service Manual
CUC 7350	72010 016 8000	Service Manual
	72010 016 8500	Supplement 5
	72010 016 8700	Supplement 7

Observe also the instructions given in the "Safety" Service Manual, part no. 72010 800 0000!

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To be better readable part numbers are shown with two spaces.
 For ordering spare parts please indicate part numbers as **twelve-figure number** without spaces.

Module Chart GV 600 to GV 690

Designation	Part Number	GV 600 SV	GV 600 SV/1	GV 605 EURO	GV 609 M	GV 630 SV	GV 630 SV/1	GV 635 EURO	GV 640 HiFi	GV 640 NIC	GV 645 EURO	GV 650 HiFi	GV 660 HiFi	GV 660 NIC	GV 665 EURO	GV 670 S NIC	GV 670S HiFi	GV 690 S HiFi	GV 690 S NIC
		Tuner/Modulator	75988 035 5400								•	•	•	•	•	•			
Tuner/Modulator	75988 038 3800										•				•				
Tuner/Modulator	75988 039 4100	•	•			•	•												
Tuner/Amplifier	75988 038 7600			•				•											
RP 500	75988 010 7100	•	•			•	•		•	•									
RP 500 F	75988 010 7200			•				•			•								
RP 540	75988 010 7300											•	•	•			•	•	•
RP 540 F	75988 010 7400														•				
RP 609 M	75988 034 0000				•														

Module Chart GV 6000 to GV 6596

Designation	Part Number	GV 6000 EURO	GV 6000 SV	GV 6000 SV/1	GV 6001 V+	GV 6066	GV 6096 SV	GV 6096 SV/1	GV 6300 EURO	GV 6300 SV	GV 6300 SV/1	GV 6396 VPT	GV 6400 EURO	GV 6400 HiFi	GV 6400 HiFi/5	GV 6400 NIC	GV 6401 NIC	GV 6596 HiFi	GV 6596 NIC
		Tuner/Modulator	75988-035 5400																
Tuner/Modulator	75988-037 2100				•														
Tuner/Modulator	75988 037 2700	•							•				•						
Tuner/Modulator	75988 037 8700		•	•		•			•	•				•					
Tuner/Modulator	75988 038 8300						•	•							•				
Tuner/Modulator	75988 039 4100						•	•				•						•	•
RP 160	75988 010 9100		•	•	•	•				•	•			•	•	•	•		
RP 160 F	75988 010 9200	•							•				•						
RP 500	75988 010 7100						•	•											
RP 540	75988 010 7300											•						•	•

Module Chart GVP 600, GV 26, GV 46, SE 61...

Designation	Part Number	GVP 600 ICN EURO	GV 26	GV 26 EURO	GV 26 VPS	GV 46	GV 46 VPS	SE 6102 SV	SE 6104 VPT	SE 6106 HiFi
		Tuner/Modulator	75988 035 5400							
Tuner/Modulator	75988 037 2700			•						
Tuner/Modulator	75988 037 8700	•	•	•	•	•				
Tuner/Modulator	75988 039 4100							•	•	
RP 150	75988 324 0300	•								
RP 160	75988 010 9100		•		•	•	•			
RP 160 F	75988 010 9200		•							
RP 500	75988 010 7100							•		
RP 540	75988 010 7300							•	•	

Module Chart GV 709 to GV 7497

Designation	Part Number	GV 709 M	GV 729 M	GV 740 HiFi	GV 740 NIC	GV 7000 EURO	GV 7000 SV	GV 7000 SV-C	GV 7003	GV 7300 EURO	GV 7300 SV	GV 7300 SV/5	GV 7400 EURO	GV 7400 HiFi	GV 7400 HiFi/5	GV 7400 NIC	GV 7400 NIC2 *	GV 7497 NIC
		Tuner	75988 323 6000	●	●													
Tuner/Booster	75988 037 2700					1)				1)			1)					
Tuner/Booster	75988 041 4000					2)				2)			2)					
Tuner/Modulator	75988 035 5400			●	●													●
Tuner/Modulator	75988 037 8700					1)	1)	1)		1)			1)		1)			
Tuner/Modulator	75988 038 8300												1)		1)			
Tuner/Modulator	75988 041 4300					2)	2)	2)		2)			2)		2)			
Tuner/Modulator	75988 041 4800												2)		2)			
IF	75988 323 6100		●															
IF	75988 323 6300	●																
RP 7	72011 650 0000			●	●													●
RP 170	72011 660 0000						●	●	●		●	●		●	●	●		
RP 170 FR	72011 660 0100					●				●			●					
RP 500	75988 010 7500			●	●													●
RP 709/729	75988 323 3100	●	●															

1) Evolution code AA
 2) from evolution code AB

Module Chart GV 819 to GV 8450

Designation	Part Number	GV 819 M	GV 8000 EURO	GV 8000 GB	GV 8000 SV/1	GV 8000 SV/2	GV 8000 SV/5	GV 8050 SV	GV 8300 EURO	GV 8300 SV	GV 8300 SV/5	GV 8400 EURO	GV 8400 GB	GV 8400 HiFi	GV 8400 HiFi/5	GV 8400 NIC 1	GV 8400 NIC 2	GV 8450 HiFi
		Tuner/Booster	75988 041 4400		●						●			●				
Tuner/Modulator	75988 041 4300			●	●			●		●			●		●	●	●	●
Tuner/Modulator	75988 041 4500			●								●						
Tuner/Modulator	75988 041 4800						●				●			●				
Tuner	75988 323 9500	●																
RP 700	72011 713 0000		●	●	●	●	●	●		●	●		●	●	●	●	●	●
RP 700 FR	72011 713 0100		●						●			●						
RP 819	75988 323 9000	●																

Video

Module Chart GV 27, GV 47, KV 7..., KV 8..., SE 71..., SE 81...

Designation	Part Number	GV 27					KV 7...					SE 71...					
		GV 27	GV 27 EURO	GV 27 VPS/5	GV 47	GV 47 VPS/5	KV 7001 VPS/5	KV 7301 VPS/5	KV 8001 VPS/5	KV 8301 VPS/5	KV 8401 HiFi/5	SE 7100 SV	SE 7104 SV	SE 7105 HiFi	SE 7106 HiFi	SE 8100 SV	SE 8105 HiFi
Tuner	75988 039 4100												●				
Tuner/Booster	75988 037 2700		1)														
Tuner/Booster	75988 041 4000		2)														
Tuner/Modulator	75988 035 5400														●		
Tuner/Modulator	75988 037 8700	1)			1)							1)		1)			
Tuner/Modulator	75988 038 8300			1)		1)	1)	1)									
Tuner/Modulator	75988 041 4300	2)			2)							2)	2)			●	●
Tuner/Modulator	75988 041 4800			2)		2)	2)	2)	●	●	●						
RP 7	72011 650 0000												●				
RP 170	72011 660 0000	●					●	●				●					
RP 170 FR	72011 660 0100		●														
RP 500	75988 010 7500											●					
RP 700	72011 713 0000								●	●	●					●	●

- 1) Evolution code AA
- 2) from evolution code AB

Module Chart GV 29, GV 94, GV 900 to GV 9400, SE 9100 to SE 9106

Designation	Part Number	GV 29		GV 94		GV 900		GV 920		GV 940		GV 940		GV 950		GV 9000		GV 9000		GV 9300		GV 9300		GV 9400		GV 9400		GV 9400		SE 9100		SE 9102		SE 9105		SE 9106		
		EURO	VPS	VPS/5	HiFi	NIC	SV/1	SV/2	HiFi	EURO	HiFi	HiFi/5	NIC	HiFi/NIC	SV	SV	SV/5	EURO	SV	SV/5	EURO	HiFi	HiFi/5	NIC	SV	SV	HiFi	HiFi/5	NIC	SV	SV	HiFi	HiFi/NIC					
Tuner	75988 046 4200					●	●	●		●	●	●	●													●	●	●	●	●	●	●	●	●	●	●	●	
Tuner	75988 048 4400									●																●												
Tuner RF/TU/IF	75988 060 7200		●														●	●																				
Tuner RF/TU/IF	75988 061 0500			●																	●																	
Tuner TU/IF	75988 062 0500	●																																				
Tuner RF/TU/IF	75988 062 4800				●	●																																
Socket Board	27599 002 8000																			●	●																	
Socket Board	27599 002 8100		●	●														●																				
Socket Board	27599 002 8200	●																																				
Socket Board	27599 002 8400				●	●																																
NICAM/Stereo-Dec.	27599 006 0500										●	●	●	●													●	●	●	●	●	●	●	●	●	●	●	●
Stereo Decoder	27599 006 0600								●		●																●								●			
Stereo Decoder TN-3	27599 006 0700				●																																	
Stereo Decoder TN-6	27599 006 0800					●																																
TP 90 V	72011 713 1000		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
TP 90 V	72011 713 1100	●									●																											

Module Chart GV 10..., GV 30..., GV 50..., GV 60..., SE 11..., SE 12...

Designation	Part Number	GV 1010 SV/1	GV 1030 HiFi	GV 3000 VPS/1	GV 3000 VPS/2	GV 3004 PDC/EURO	GV 3005 VPS	GV 3006 VPS	GV 3010 SV/1	GV 3010 SV/2	GV 3015 SV	GV 3042 NIC	GV 3043 HiFi	GV 3044 NIC/EURO	GV 3045 HiFi	GV 5052 NIC	GV 5053 HiFi	GV 5054 NIC/EURO	GV 6062 NIC	GV 6063 HiFi	GV 6065 HiFi	SE 1102 SV	SE 1105 HiFi	SE 1106 HiFi/NIC	SE 1200 SV	SE 1205 HiFi	SE 1206 HiFi/NIC
Tuner	75988 046 4200	●	●																			●	●				
Tuner	75988 048 4400																						●	●			
Tuner RF/TU/IF	75988 060 7200			●	●		●	●	●	●															●		
Tuner RF/TU/IF	75988 061 0500										●				●												
Tuner TU/IF	75988 062 0500					●								●				●									
Tuner RF/TU/IF	75988 062 4800											●	●			●			●	●	●				●	●	
Socket Board TB-2	27599 002 9700											●	●	●	●	●	●	●								●	
Socket Board TB-2	27599 102 0000																		●	●	●						●
Featurebox DM-1	27599 006 1400																		●	●	●						●
NICAM/Stereo-Dec.	27599 006 0500																							●			
Stereo Decoder	27599 006 0600		●																					●			
TP 90 V	72011 713 1000	●	●	●	●		●	●	●	●	●	●	●		●	●	●					●	●	●	●	●	●
TP 90 V	72011 713 1100					●								●				●									
TP 91 V	72011 713 1400																		●	●	●						●

Video

Module Chart GV 31..., GV 51..., GV 61..., SE 13...

Designation	Part Number	GV 3100 VPS/1	GV 3100 VPS/2	GV 3105 VPS	GV 3106 VPS	GV 3110 SV/1	GV 3110 SV/2	GV 3115 SV	GV 3142 NIC	GV 3143 HiFi	GV 3145 HiFi	GV 3146 MULTI	GV 3147 HiFi	GV 5152 NIC	GV 5153 HiFi	GV 6162 NIC	GV 6163 HiFi	GV 6165 HiFi	GV 6167 HiFi	SE 1300 SV	SE 1305 HiFi
Tuner/Modulator	75988 077 0100	●	●	●	●	●	●													●	
Tuner/Modulator	75988 077 5700						●														
Tuner/Modulator	75988 077 6400											●									
Tuner/Modulator	75988 077 6500								●	●	●			●	●	●	●	●	●		●
Tuner/Modulator	75988 078 1600											●	●						●		
TP 92 V black	72011 713 1900	●	●	●	●	●	●		●	●	●		●	●						●	●
TP 92 V polar	72011 713 2000	●	●	●		●	●	●	●	●	●			●	●						
TP 93 V black	72011 713 2100																●				
TP 93 V polar	72011 713 2200															●	●	●	●		

Module Chart TVR37...

Designation	Part Number																				
		TVR 3701 SV	TVR 3701 SV/FR	TVR 3705	TVR 3705 FR	TVR 3710	TVR 3710 FR	TVR 3710 GB	TVR 3720	TVR 3720 GB	TVR 3730 Text	TVR 3730 Text/FR	TVR 3730 Text/GB	TVR 3735 FR/TOP	TVR 3735/1 TOP	TVR 3735/2 TOP	TVR 3740 FR/TOP	TVR 3740 FT/GB	TVR 3740/1 TOP	TVR 3740/2 TOP	
Head Amplifier	27599 004 0700	●	●	●	●	●	●		●												
Head Amplifier	27599 004 0800							●		●											
Head Amplifier	27599 004 2000										●										
Head Amplifier	27599 004 2100										●	●									
Keyboard	27599 002 8300												●	●	●	●	●	●	●	●	●
Tuner	75988 019 9400									●											
Tuner	75988 019 9500			●	●																
Tuner	75988 019 9600			●	●																
Tuner	75988 021 2500	●	●			●															
Tuner	75988 025 2700						●		●												
Tuner (1702)	75988 025 3000						●		●	●	●	●	●								
Tuner	75988 050 0900									●	●	●	●								
Tuner	75988 053 0200												●	●	●	●	●	●	●	●	●
TP 870	29642 061 1300												●	●	●	●	●	●	●	●	●
TVP 762	75988 017 0600	●	●			●	●	●													
TVP 763	75988 019 9700			●	●				●	●	●	●	●								

Module Chart TVR51..., TVR55...

Designation	Part Number																				
		TVR 5100	TVR 5100 Text (BA)	TVR 5100 FR	TVR 5100 GB	TVR 5120 FR	TVR 5130 FR	TVR 5130 Text	TVR 5130 Text/GB	TVR 5500	TVR 5500 FR	TVR 5530 Text	TVR 5530 Text/FR	TVR 5540 FR/TOP	TVR 5540 FT/GB	TVR 5540/1 TOP	TVR 5540/2 TOP				
Head Amplifier	27599 004 0700	●		●		●				●	●										
Head Amplifier	27599 004 0800			●		●															
Head Amplifier	27599 004 2000		●				●					●									
Head Amplifier	27599 004 2100							●	●		●	●									
Keyboard	27599 002 8300												●	●	●	●					
Tuner	75988 021 2500	●																			
Tuner	75988 025 2700					●	●					●	●								
Tuner (1702)	75988 025 3000					●	●	●	●	●	●	●	●								
Tuner	75988 025 6200		●	●			●	●	●	●	●	●									
Tuner	75988 050 0900							●	●		●	●									
Tuner	75988 053 0200											●	●	●	●	●	●	●	●	●	●
TP 870	29642 061 1300												●	●	●	●	●	●	●	●	●
TVP 762	75988 017 0600	●		●	●	●				●	●										
TVP 763	75988 019 9700		●				●	●	●	●	●	●									
TVP 860	72011 650 0400										●	●									

Module Chart DVD-Player

Designation	Part Number	DVD Modul					
		1	Argento	100 D	D/002	110 D	200
Digital Board	75988 042 8000			●			
DVD-Monoboard	75988 042 8200	●				●	●
Digital Board	75988 045 0000				●		
Drive	29638 256 1100	●					
Drive	75988 042 7600			●			
Drive	75988 045 4200						●
Drive	75988 045 7000		●				
Keyboard	75988 045 0100				●		
Keyboard	75988 042 8500					●	
Front Board cpl.	75988 045 5800						●
Power Supply	75988 042 8100			●			
Power Supply	75988 045 4400						●
A/V-MUX Board	75988 045 4700						●
A/V-MUX Board	75988 042 8200					●	
A/V-MUX Board	75988 042 9800	●					
RP 100 D	75988 042 7700			●	●	●	
TP 80 V	75988 045 5900						●

Designation	Part Number	DVD Modul	
		120	120/02
MPEG Board	27599 009 0600	●	
MPEG Board	27599 009 0700		●
Drive	75988 067 0000	●	
Drive	75988 069 0000		●
Drive Board	27599 006 0900	●	
Drive Board	27599 006 1000		●
Power Supply Board	27599 003 2100	●	●
Power Switch Board	75988 065 7400	●	●
Headphone Board	75988 065 6700	●	●
Socket Board	27599 002 9300	●	●
AV Socket Board	75988 065 8600	●	●
TP 82 V	75988 065 0000	●	●

Designation	Part Number	GDP								SE			
		130	130/2	130/4	5100	5100/1	5100/2	5102	5120	6150/1	6150/2	1210	1230
Chassis Board	27599 010 7800	●	●	●								●	
Chassis Board	27599 010 7900	1)	2)									3)	
Digital Board	26729 051 0101												
Digital Board	26729 062 0101				●	●	●	●					
Digital Board	26729 070 0101												●
Digital Board	26729 073 0101								●				
Laser Unit	75988 067 0800				●	●	●	●	●	●	●		●
Drive	75988 056 0100	●	●	●								●	
Power Supply	26727 015 0101				●	●	●	●					●
Power Supply	26727 015 0001								●	●	●		
Power Supply	27599 003 2200	●	●	●								●	
Keyboard	27599 020 0100	●	●	●								●	
Keyboard	27599 020 0100	4)											
TP 83 D	26728 012 0101				●	●	●	●	●	●	●		●
TP 84 D	72011 713 1500	●	●	●								●	

1) from Serial No. 015260105200**44404**x on
 2) from Serial No. 015472405200**17294**x on
 3) from Serial No. 015475605200**14350**x on
 4) from Serial No. 015260105200**48456**x on

Headwheels and Head Cylinders (Part 1)

Type of VCR	Heads	Headwheel Part No.	Head Cylinder Part No.
GV 26...	2	27599 005 0800	75988 023 0300
GV 27...	2	27599 005 2200	75988 023 0800
GV 29 EURO	2	27599 005 3100	
GV 29 VPS	2	27599 005 3100	
GV 29 VPS/5	2	27599 005 3000	
GV 46...	4	27599 005 1400	75988 023 0500
GV 47...	4	27599 005 1400	75988 023 0900
GV 94 HiFi	6	27599 005 3800	
GV 94 NIC	6	27599 005 3800	
GV 600..., 605, 6000..., 6001, 6066	2	27599 005 0800	75988 023 0300
GV 609 M	2	75988 034 0600	75988 034 5100 *
GV 6096...	2	27599 005 0800	75988 023 0300
GV 630..., 6300 SV(/1), 6396 VPT	4	27599 005 1400	75988 023 0500
GV 635 EURO, 6300 EURO	4	27599 005 1500	75988 023 0500
GV 640..., 6400 HiFi(/5), 6400 NIC, 6401	6	27599 005 1900	75988 023 0600
GV 645 EURO, 6400 EURO	6	27599 005 2000	75988 023 0600
GV 650, 6596...	6	27599 005 1900	75988 023 0600
GV 660...	7	27599 005 1900	75988 023 0700
GV 665 EURO	7	27599 005 2000	75988 023 0700
GV 670...	6	27599 005 1900	75988 023 0600
GV 690...	7	27599 005 1900	75988 023 0700
GV 709 M, 729 M	2	75988 323 3700	75988 323 3600 *
GV 740...	6	27599 005 2400	75988 023 1000
GV 900 SV/1	2	75988 046 0300	
GV 900 SV/2	2	75988 046 0300	
GV 920 HiFi	6	75988 046 4300	
GV 940 EURO	6	75988 046 5000	
GV 940 HiFi	6	75988 046 4300	
GV 940 HiFi/5	6	75988 046 4300	
GV 940 NIC	6	75988 046 4300	
GV 950 HiFi/NIC	6	75988 046 4300	
GV 1010 SV/1	2	75988 046 0300	
GV 1030 HiFi	6	75988 046 4300	
GV 3000 VPS/1	2	27599 005 3900	
GV 3000 VPS/2	2	27599 005 3900	
GV 3004 PDC/EURO	2	27599 005 3900	
GV 3005 VPS	2	27599 005 4000	
GV 3006 VPS	2	27599 005 3900	
GV 3010 SV/1	2	27599 005 3900	
GV 3010 SV/2	2	27599 005 3900	
GV 3015 SV	2	27599 005 4000	
GV 3042 NIC	6	27599 005 4200	
GV 3043 HiFi	6	27599 005 4200	
GV 3044 NIC/EURO	6	27599 005 4100	
GV 3045 HiFi	6	27599 005 4200	
GV 3100 VPS/1	2	27599 005 4300	
GV 3100 VPS/2	2	27599 005 4300	
GV 3105 VPS	2	27599 005 4400	
GV 3106 VPS	2	27599 005 4300	
GV 3110 SV/1	2	27599 005 4300	
GV 3110 SV/2	2	27599 005 4300	
GV 3115 SV	2	27599 005 4400	
GV 3142 NIC	6	27599 005 4500	
GV 3143 HiFi	6	27599 005 4500	
GV 3145 HiFi	6	27599 005 4500	
GV 3146 MULTI	6	27599 005 4600	
GV 3147 HiFi	6	27599 005 4500	
GV 5052 NIC	6	27599 005 4200	

Headwheels and Head Cylinders (Part 2)

Type of VCR	Heads	Headwheel Part No.	Head Cylinder Part No.
GV 5053 HiFi	6	27599 005 4200	
GV 5054 NIC/EURO	6	27599 005 4100	
GV 5152 NIC	6	27599 005 4500	
GV 5153 HiFi	6	27599 005 4500	
GV 6062 NIC	6	27599 005 4200	
GV 6063 HiFi	6	27599 005 4200	
GV 6065 HiFi	6	27599 005 4200	
GV 6162 NIC	6	27599 005 4500	
GV 6163 HiFi	6	27599 005 4500	
GV 6165 HiFi	6	27599 005 4500	
GV 6167 HiFi	6	27599 005 4500	
GV 7000..., GV 7003	2	27599 005 2200	
GV 7300 EURO, GV 7300 SV/5	4	27599 005 1500	75988 023 0900
GV 7300 SV	4	27599 005 1400	75988 023 0900
GV 7400 EURO	6	27599 005 1500	75988 023 0900
GV 7400 HiFi, GV 7400 NIC	6	27599 005 2400	75988 023 1000
GV 7400 HiFi/5	6	27599 005 2500	75988 023 1000
GV 7497 NIC	6	27599 005 2400	75988 023 1000
GV 819 M	2	75988 323 7000	75988 323 9400
GV 8000 EURO, GV 8000 SV/1	2	27599 005 2200	75988 023 0800
GV 8000 GB	2	27599 005 2300	75988 023 0800
GV 8000 SV/2, GV 8000 SV/5, GV 8050 SV	2	27599 005 2200	75988 023 0800
GV 8300...	4	27599 005 1500	75988 023 0900
GV 8400..., GV 8450 HiFi	6	27599 005 2000	75988 023 1000
GV 9000	2	27599 005 3100	
GV 9000 SV	2	27599 005 3100	
GV 9000 SV/5	2	27599 005 3000	
GV 9300 EURO	4	27599 005 3300	
GV 9300 SV	4	27599 005 3200	
GV 9300 SV/5	4	27599 005 3200	
GV 9400 EURO	6	75988 046 5000	
GV 9400 HiFi	6	75988 046 4300	
GV 9400 HiFi/5	6	75988 046 4300	
GV 9400 NIC	6	75988 046 4300	
GVP 600 ICN EURO	2	27599 005 0800	75988 001 3300
KV 7001 VPS/5	2	27599 005 2200	75988 023 0800
KV 7301 VPS/5	4	27599 005 1500	75988 023 0900
KV 8001 VPS/5	2	27599 005 2200	75988 023 0800
KV 8301 VPS/5	4	27599 005 1500	75988 023 0900
KV 8401 HiFi/5	6	27599 005 2000	75988 023 1000
SE 1102 SV	2	75988 046 0300	
SE 1105 HiFi	6	75988 046 4300	
SE 1106 HiFi/NIC	6	75988 046 4300	
SE 1200 SV	2	27599 005 3900	
SE 1205 HiFi	6	27599 005 4200	
SE 1206 HiFi/NIC	6	27599 005 4200	
SE 1300 SV	2	27599 005 4300	
SE 1305 HiFi	6	27599 005 4500	
SE 6102 SV	2	27599 005 0800	75988 023 0300
SE 6104 VPT	4	27599 005 1400	75988 023 0500
SE 6106 HiFi	6	27599 005 1900	75988 023 0600
SE 6110 VT	2	47226 020 0100	47226 043 5000
SE 6160 VPT	6	75986 210 0800	75986 210 0700
SE 7100 SV	2	27599 005 2200	75988 023 0800
SE 7104	4	27599 005 1400	75988 023 0900

Headwheels and Head Cylinders (Part 3)

Type of VCR	Heads	Headwheel Part No.	Head Cylinder Part No.
SE 7105 HiFi, SE 7106 HiFi	6	27599 005 2400	75988 023 1000
SE 7120 VPT	3	75986 209 1900	75986 209 1800
SE 8100 SV	2	27599 005 2200	75988 023 0800
SE 8105 HiFi	6	27599 005 2000	75988 023 1000
SE 9100 SV	2	27599 005 3100	
SE 9102 SV	2	75988 046 0300	
SE 9105 HiFi	6	75988 046 4300	
SE 9106 HiFi/NIC	6	75988 046 4300	
TVR 3701 SV	2	27599 005 0800	75988 001 3300
TVR 3701 SV/FR	2	27599 005 0800	75988 001 3300
TVR 3705	2	27599 005 0800	75988 001 3300
TVR 3705 FR	2	27599 005 0800	75988 001 3300
TVR 3710	2	27599 005 0800	75988 001 3300
TVR 3710 FR	2	27599 005 0800	75988 001 3300
TVR 3710 GB	2	27599 005 0700	75988 001 3300
TVR 3720	2	27599 005 0800	75988 001 3300
TVR 3720 GB	2	27599 005 0700	75988 001 3300
TVR 3730 Text	2	27599 005 0800	75988 001 3300
TVR 3730 Text/FR	2	27599 005 0800	75988 001 3300
TVR 3730 Text/GB	2	27599 005 0800	75988 001 3300
TVR 3735 FR/TOP	2	27599 005 3500	
TVR 3735/1 TOP	2	27599 005 3400	
TVR 3735/2 TOP	2	27599 005 3400	
TVR 3740 FR/TOP	2	27599 005 3500	
TVR 3740 FT/GB	2	27599 005 3400	
TVR 3740/1 TOP	2	27599 005 3400	
TVR 3740/2 TOP	2	27599 005 3400	
TVR 5100	2	27599 005 0700	75988 001 3300
TVR 5100 Text (Code BA)	2	27599 005 0800	75988 001 3300
TVR 5100 FR	2	27599 005 0800	75988 001 3300
TVR 5100 GB	2	27599 005 0700	75988 001 3300
TVR 5120 FR	2	27599 005 0800	75988 001 3300
TVR 5130 Text	2	27599 005 0800	75988 001 3300
TVR 5130 FR	2	27599 005 0800	75988 001 3300
TVR 5130 Text/GB	2	27599 005 0800	75988 001 3300
TVR 5500	2	27599 005 0800	75988 001 3300
TVR 5500 FR	2	27599 005 0800	75988 001 3300
TVR 5530 Text	2	27599 005 0800	75988 001 3300
TVR 5530 text/FR	2	27599 005 0800	75988 001 3300
TVR 5540 FR/TOP	4	27599 005 3700	
TVR 5540 FT/GB	4	27599 005 3600	
TVR 5540/1 TOP	4	27599 005 3600	
TVR 5540/2 TOP	4	27599 005 3600	

* scanner (tape drum assembly) cpl.

Service Manuals Video

Type of set	Part Number	Kind of Manual
GV 26	72010 527 2500	Service Manual
GV 26 EURO	72010 527 4000	Service Manual
GV 26 VPS	72010 527 2500	Service Manual
GV 27	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
GV 27 EURO	72010 530 3000	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
GV 27 VPS	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
GV 29 EURO	72010 536 3500	Service Manual
	72010 536 3600	Supplement
GV 29 VPS	72010 535 1500	Service Manual
GV 29 VPS/5	72010 535 1500	Service Manual
GV 46	72010 527 2500	Service Manual
GV 46 VPS	72010 527 2500	Service Manual
	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
GV 47	72010 531 4100	Training (GB)
	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
GV 47 VPS	72010 531 4100	Training (GB)
	72010 536 8500	Service Manual
	72010 536 8600	Service Manual
GV 94 HiFi	72010 536 8500	Service Manual
GV 94 NIC	72010 536 8500	Service Manual
	72010 536 8600	Service Manual
GV 600 SV	72010 528 4500	Service Manual
GV 600 SV/1	72010 528 4500	Service Manual
GV 605 EURO	72010 528 5000	Service Manual
GV 609 M	72010 522 1000	Service Manual
GV 630 SV	72010 528 4500	Service Manual
GV 630 SV/1	72010 528 4500	Service Manual
GV 635 EURO	72010 528 5000	Service Manual
GV 640 HIFI	72010 527 3500	Service Manual
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 640 NIC	72010 527 3500	Service Manual
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 645 EURO	72010 527 5000	Service Manual
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 650 HIFI	72010 527 3500	Service Manual
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 660 HIFI	72010 527 3500	Service Manual
	72010 527 3700	Supplement
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
GV 660 NIC	72010 528 9100	Training (GB)
	72010 527 3500	Service Manual
	72010 527 3700	Supplement
	72010 527 3800	OIRT Board
GV 660 NIC	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
	72010 528 9100	Training (GB)

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Type of set	Part Number	Kind of Manual
GV 665 EURO	72010 527 5000	Service Manual
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 670 S HiFi	72010 527 3500	Service Manual
	72010 527 3600	Supplement
	72010 527 3700	Supplement
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
	72010 528 9300	Training (D)
GV 670 S NIC	72010 528 9400	Training (GB)
	72010 527 3500	Service Manual
	72010 527 3600	Supplement
	72010 527 3700	Supplement
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 690 S HiFi	72010 528 9300	Training (D)
	72010 528 9400	Training (GB)
	72010 527 3500	Service Manual
	72010 527 3600	Supplement
	72010 527 3700	Supplement
	72010 528 9000	Training (D)
GV 690 S NIC	72010 528 9100	Training (GB)
	72010 528 9300	Training (D)
	72010 528 9400	Training (GB)
	72010 527 3500	Service Manual
	72010 527 3600	Supplement
	72010 527 3700	Supplement
GV 709 M	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
	72010 528 9300	Training (D)
	72010 528 9400	Training (GB)
	72010 527 5500	Service Manual
	72010 527 5500	Service Manual
GV 729 M	72010 527 3500	Service Manual
	72010 527 3700	Supplement
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 740 HiFi	72010 527 3500	Service Manual
	72010 527 3700	Supplement
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 740 NIC	72010 527 3500	Service Manual
	72010 527 3700	Supplement
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 819 M	72010 534 0000	Service Manual
GV 900 SV/1	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 536 1500	Training (D)
GV 900 SV/2	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 536 1500	Training (D)
GV 920 HiFi	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 536 1500	Training (D)
GV 940 EURO	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 536 1500	Training (D)
GV 940 HiFi	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 536 1500	Training (D)

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Type of set	Part Number	Kind of Manual
GV 940 HiFi/5	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 536 1500	Training (D)
GV 940 NIC	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 536 1500	Training (D)
GV 950 HiFi/NIC	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 535 2200	Supplement
	72010 536 1500	Training (D)
GV 1010 SV/1	72010 535 2000	Service Manual
	72010 535 2200	Supplement
	72010 536 1500	Training (D)
GV 1030 HiFi	72010 535 2000	Service Manual
	72010 535 2200	Supplement
	72010 536 1500	Training (D)
GV 3000 VPS/1	72010 540 5000	Service Manual
GV 3000 VPS/2	72010 540 5000	Service Manual
GV 3004 PDC/EURO	72010 540 5000	Service Manual
GV 3005 VPS	72010 540 5000	Service Manual
GV 3006 VPS	72010 540 5000	Service Manual
GV 3010 SV/1	72010 540 5000	Service Manual
GV 3010 SV/2	72010 540 5000	Service Manual
GV 3015 SV	72010 540 5000	Service Manual
GV 3042 NIC	72010 540 5000	Service Manual
GV 3043 HiFi	72010 540 5000	Service Manual
GV 3044 NIC/EURO	72010 540 5000	Service Manual
GV 3045 HiFi	72010 540 5000	Service Manual
GV 3100 VPS/1	72010 540 9000	Service Manual
GV 3100 VPS/2	72010 540 9000	Service Manual
GV 3105 VPS	72010 540 9000	Service Manual
GV 3106 VPS	72010 540 9000	Service Manual
GV 3110 SV/1	72010 540 9000	Service Manual
GV 3110 SV/2	72010 540 9000	Service Manual
GV 3115 SV	72010 540 9000	Service Manual
GV 3142 NIC	72010 540 9000	Service Manual
GV 3143 HiFi	72010 540 9000	Service Manual
	72010 540 9200	Supplement
GV 3145 HiFi	72010 540 9000	Service Manual
GV 3146 MULTI	72010 540 9000	Service Manual
	72010 540 9200	Supplement
GV 3147 HiFi	72010 540 9000	Service Manual
	72010 540 9100	Supplement
GV 5052 NIC	72010 540 5000	Service Manual
GV 5053 HiFi	72010 540 5000	Service Manual
GV 5054 NIC/EURO	72010 540 5000	Service Manual
GV 5152 NIC	72010 540 9000	Service Manual
GV 5153 HiFi	72010 540 9000	Service Manual
GV 6000 EURO	72010 527 4000	Service Manual
GV 6000 SV	72010 527 2500	Service Manual
GV 6000 SV/1	72010 527 2500	Service Manual
GV 6001 V+	72010 527 2500	Service Manual
GV 6062 NIC	72010 540 5000	Service Manual
	72010 540 5100	Supplement
GV 6063 HiFi	72010 540 5000	Service Manual
	72010 540 5100	Supplement
GV 6065 HiFi	72010 540 5000	Service Manual
	72010 540 5100	Supplement
GV 6066 / Palermo	72010 527 2500	Service Manual

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Type of set	Part Number	Kind of Manual
GV 6096 SV / Barcelona	72010 527 2500 72010 527 2600	Service Manual Supplement
GV 6096 SV/1 / Barcelona	72010 527 2500 72010 527 2600	Service Manual Supplement
GV 6162 NIC	72010 540 9000	Service Manual
GV 6163 HiFi	72010 540 9000	Service Manual
GV 6165 HiFi	72010 540 9000 72010 540 9200	Service Manual Supplement
GV 6167 HiFi	72010 540 9000 72010 540 9100	Service Manual Supplement
GV 6300 EURO	72010 527 4000	Service Manual
GV 6300 SV	72010 527 2500	Service Manual
GV 6300 SV/1	72010 527 2500	Service Manual
GV 6396 SV / Florenz	72010 527 2500 72010 527 2600	Service Manual Supplement
GV 6400 EURO	72010 527 4500 72010 527 3100	Service Manual
GV 6400 HIFI	72010 527 3000 72010 527 3100	Service Manual
GV 6400 HIFI/5	72010 527 3000 72010 527 3100	Service Manual
GV 6400 NIC 1	72010 527 3000 72010 527 3100	Service Manual
GV 6400 NIC 2	72010 527 3000 72010 527 3100	Service Manual
GV 6401 NIC	72010 527 3000 72010 527 3100	Service Manual
GV 6596 HIFI / Madrid	72010 527 3500 72010 527 3800 72010 528 9000 72010 528 9100	Service Manual OIRT Board Training (D) Training (GB)
GV 6596 NIC / Madrid	72010 527 3500 72010 527 3800 72010 528 9000 72010 528 9100	Service Manual OIRT Board Training (D) Training (GB)
GV 7000 EURO	72010 530 3000 72010 531 4000 72010 531 4100	Service Manual Training (D) Training (GB)
GV 7000 SV	72010 530 2500 72010 531 4000 72010 531 4100	Service Manual Training (D) Training (GB)
GV 7000 SV-C	72010 530 2500 72010 531 4000 72010 531 4100	Service Manual Training (D) Training (GB)
GV 7003	72010 530 2500 72010 531 4000 72010 531 4100	Service Manual Training (D) Training (GB)
GV 7300 EURO	72010 530 3000 72010 531 4000 72010 531 4100	Service Manual Training (D) Training (GB)
GV 7300 SV	72010 530 2500 72010 531 4000 72010 531 4100	Service Manual Training (D) Training (GB)
GV 7300 SV/5	72010 530 2500 72010 531 4000 72010 531 4100	Service Manual Training (D) Training (GB)
GV 7400 EURO	72010 530 3000 72010 531 4000 72010 531 4100	Service Manual Training (D) Training (GB)

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Type of set	Part Number	Kind of Manual
GV 7400 HiFi	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
GV 7400 HiFi/5	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
GV 7400 NIC	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
GV 7400 NIC2	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
GV 7497 NIC / Madrid	72010 527 3500	Service Manual
	72010 527 3700	Supplement
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
GV 8000 EURO	72010 530 3000	Service Manual
	72010 530 3100	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8000 GB	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8000 SV/1	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8000 SV/2	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8000 SV/5	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8050 SV	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8300 EURO	72010 530 3000	Service Manual
	72010 530 3100	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8300 SV	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8300 SV/5	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8400 EURO	72010 530 3000	Service Manual
	72010 530 3100	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8400 GB	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Type of set	Part Number	Kind of Manual
GV 8400 HiFi	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8400 HiFi/5	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8400 NIC 1	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8400 NIC 2	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 8450 HiFi	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
GV 9000	72010 535 1500	Service Manual
	72010 535 1600	Supplement
GV 9000 SV	72010 535 1500	Service Manual
	72010 535 1700	Supplement
GV 9000 SV/5	72010 535 1500	Service Manual
	72010 535 1700	Supplement
GV 9300 EURO	72010 536 3500	Service Manual
	72010 536 3600	Supplement
GV 9300 SV	72010 535 1500	Service Manual
	72010 535 1700	Supplement
GV 9300 SV/5	72010 535 1500	Service Manual
	72010 535 1700	Supplement
GV 9400 EURO	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 536 1500	Training (D)
GV 9400 HiFi	72010 535 2000	Service Manual
	72010 535 2200	Supplement
	72010 536 1500	Training (D)
GV 9400 HiFi/5	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 536 1500	Training (D)
GV 9400 NIC	72010 535 2000	Service Manual
	72010 535 2100	Supplement
	72010 535 2200	Supplement
	72010 536 1500	Training (D)
KV 7001 VPS/5	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
KV 7301 VPS/5	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
KV 8001 VPS/5	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
KV 8301 VPS/5	72010 531 4000	Training (GB)
	72010 530 2500	Service Manual
	72010 530 2600	Supplement
KV 8301 VPS/5	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
	72010 531 4000	Training (GB)

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Type of set	Part Number	Kind of Manual
KV 8401 HiFi/5	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
SE 1102 SV	72010 535 2000	Service Manual
	72010 535 2200	Supplement
	72010 536 1500	Training (D)
SE 1105 HiFi	72010 535 2000	Service Manual
	72010 535 2200	Supplement
	72010 536 1500	Training (D)
SE 1106 HiFi/NIC	72010 535 2000	Service Manual
	72010 535 2200	Supplement
	72010 536 1500	Training (D)
SE 1200 SV	72010 540 5000	Service Manual
SE 1205 HiFi	72010 540 5000	Service Manual
SE 1206 HiFi/NIC	72010 540 5000	Service Manual
	72010 540 5100	Supplement
SE 1300 SV	72010 540 9000	Service Manual
SE 1305 HiFi	72010 540 9000	Service Manual
SE 6102 SV	72010 527 2500	Service Manual
	72010 527 2600	Supplement
SE 6104 SV	72010 527 2500	Service Manual
	72010 527 2600	Supplement
SE 6106 HIFI	72010 527 3500	Service Manual
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
SE 7100 SV / Palermo	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
SE 7104 SV / Florenz	72010 527 2500	Service Manual
	72010 527 2600	Supplement
	72010 527 2700	Supplement
SE 7105 HiFi / Sevilla	72010 530 2500	Service Manual
	72010 531 4000	Training (D)
	72010 531 4100	Training (GB)
SE 7106 HiFi / Madrid	72010 527 3500	Service Manual
	72010 527 3700	Supplement
	72010 527 3800	OIRT Board
	72010 528 9000	Training (D)
	72010 528 9100	Training (GB)
SE 8100 SV / Palermo	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
SE 8105 HiFi / Sevilla	72010 530 2500	Service Manual
	72010 530 2600	Supplement
	72010 531 4000	Training (D)
	72010 531 4000	Training (GB)
SE 9100 SV / Palermo	72010 535 1500	Service Manual
	72010 535 1600	Supplement
SE 9102 SV / Barcelona	72010 535 2000	Service Manual
	72010 536 1500	Training (D)
SE 9105 HiFi / Sevilla	72010 535 2000	Service Manual
	72010 536 1500	Supplement
SE 9106 HiFi/NIC / Madrid	72010 535 2000	Service Manual
	72010 536 1500	Training (D)
VCR-SAT 1	72010 537 5500	Service Manual

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Service Manuals TVR

Type of set	Part Number	Kind of Manual
TVR 3701 SV	72010 524 9500	Service Manual
	72010 524 9600	Supplement
	72010 524 9800	Supplement
TVR 3705	72010 524 9500	Service Manual
	72010 524 9800	Supplement
TVR 3705 FR	72010 525 0000	Service Manual
	72010 525 0200	Supplement
TVR 3710	72010 524 9500	Service Manual
	72010 524 9800	Supplement
TVR 3710 FR	72010 525 0000	Service Manual
	72010 525 0200	Supplement
TVR 3710 GB	72010 524 9500	Service Manual
	72010 524 9800	Supplement
TVR 3720	72010 524 9500	Service Manual
	72010 524 9800	Supplement
TVR 3720 GB	72010 524 9500	Service Manual
	72010 524 9800	Supplement
TVR 3730 Text (Code AA)	72010 524 9500	Service Manual
	72010 524 9800	Supplement
	72010 524 9900	Supplement
TVR 3730 Text/FR	72010 525 0000	Service Manual
	72010 525 0200	Supplement
	72010 525 0300	Supplement
TVR 3730 Text/GB (Code AA)	72010 524 9500	Service Manual
	72010 524 9800	Supplement
	72010 524 9900	Supplement
TVR 3735 FR/TOP	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 3735/1 TOP	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 3735/2 TOP	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 3740 FR/TOP	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 3740 FT/GB	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 3740/1 TOP	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 3740/2 TOP	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 5100	72010 524 9500	Service Manual
	72010 524 9800	Supplement
TVR 5100 Text (Code BA)	72010 524 9500	Service Manual
	72010 524 9800	Supplement
	72010 524 9900	Supplement
TVR 5100 FR	72010 525 0000	Service Manual
	72010 525 0200	Supplement
TVR 5100 GB	72010 524 9500	Service Manual
	72010 524 9700	Supplement
	72010 524 9800	Supplement
TVR 5120 FR	72010 525 0000	Service Manual
	72010 525 0200	Supplement
TVR 5130 Text (Code AA)	72010 524 9500	Service Manual
	72010 524 9800	Supplement
	72010 524 9900	Supplement
TVR 5130 FR	72010 525 0000	Service Manual
	72010 525 0200	Supplement
	72010 525 0300	Supplement

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Type of set	Part Number	Kind of Manual
TVR 5130 Text/GB (Code AA)	72010 524 9500	Service Manual
	72010 524 9800	Supplement
	72010 524 9900	Supplement
TVR 5500	72010 524 9500	Service Manual
	72010 524 9800	Supplement
TVR 5500 FR	72010 525 0000	Service Manual
	72010 525 0200	Supplement
TVR 5530 Text (Code AA)	72010 524 9500	Service Manual
	72010 524 9800	Supplement
	72010 524 9900	Supplement
TVR 5530 text/FR	72010 525 0000	Service Manual
	72010 525 0200	Supplement
	72010 525 0300	Supplement
TVR 5540 FR/TOP	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 5540 FT/GB	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 5540/1 TOP	72010 536 6000	Service Manual
	72010 536 6100	Supplement
TVR 5540/2 TOP	72010 536 6000	Service Manual
	72010 536 6100	Supplement

Service Manuals DVD Player

Type of set	Part Number	Kind of Manual
DVD-Modul f. Arganto	72010 027 9000	Service Manual
	72010 027 9100	Supplement
GDP 5100	72010 540 8500	Service Manual
	72010 540 8600	Supplement
GDP 5100 /1	72010 540 8500	Service Manual
	72010 540 8600	Supplement
GDP 5100 /2	72010 540 8500	Service Manual
	72010 540 8600	Supplement
GDP 5102	72010 540 8500	Service Manual
	72010 540 8600	Supplement
GDP 5120	72010 540 8500	Service Manual
	72010 540 8600	Supplement
GDP 6150 /1	72010 540 8500	Service Manual
	72010 540 8600	Supplement
GDP 6150 /2	72010 540 8500	Service Manual
	72010 540 8600	Supplement
GDV 100 D	72010 531 9500	Service Manual
GDV 100 D / 002	72010 531 9600	Service Manual
GDV 110 D	72010 531 9600	Service Manual
	72010 537 2000	Supplement
GDV 120	72010 539 3500	Service Manual
GDV 120/02	72010 539 3500	Service Manual
GDV 130	72010 537 9500	Service Manual
	72010 537 9700	Supplement
GDV 130 /2	72010 537 9500	Service Manual
	72010 537 9700	Supplement
GDV 130 /4	72010 537 9500	Service Manual
GDV 200	72010 538 0000	Service Manual
GDV Modul 1	72010 027 9000	Service Manual
	72010 537 9500	Service Manual
SE 1210	72010 537 9600	Supplement
	72010 537 9700	Supplement
	72010 540 8500	Service Manual
SE 1230	72010 540 8500	Service Manual
	72010 540 8600	Supplement

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

GRUNDIG Tele-Pilot® Remote Control Handsets/Overview Video Product Range



RP 7
72011 650 0000



RP 100 D
75988 042 7700



RP 150
75988 324 0300



RP 160
75988 010 9100



RP 170
72011 660 0000



RP 500
75988 010 7100



RP 509
75988 232 3100
RP 609
75988 034 0000



RP 540
75988 010 7300

Video



TP 90 V
72011 713 1000



TP 91 V
72011 713 1400



TP 92 V
72011 713 2000
72011 713 1900 (sw)



TP 93 V
72011 713 2200
72011 713 2100 (sw)



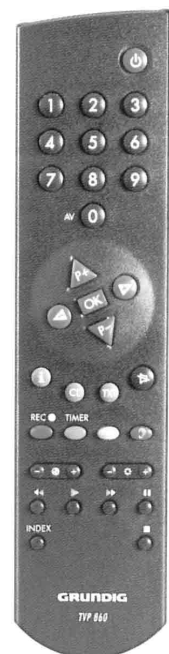
TP 870 T
29642 061 1300



TVP 762
75988 017 0600



TVP 763
75988 019 9700



TVP 860
72011 650 0400

Video

Video Remote Control Codes: GV 26 to GV 6...

VCR	VCR Remote Control Code			RC Transmitter	Transmitter RC Code		
	RC 5 Code	16Bit Level 1	16Bit Level 2		RC 5 Code	16Bit Level 1	16Bit Level 2
GV 26	●	-	-	RP 160	●	-	-
GV 26 EURO	●	-	-	RP 160 F	●	-	-
GV 26 VPS	●	-	-	RP 160	●	-	-
GV 46	●	-	-	RP 160	●	-	-
GV 46 VPS	●	-	-	RP 160	●	-	-
GV 600 SV	-	●	●	RP 500	-	●	●
GV 600 SV/1	-	●	●	RP 500	-	●	●
GVP 600 ICN EURO	●	-	-	RP 150	●	-	-
GV 605 EURO	-	●	●	RP 500 F	-	●	●
GV 609 M	-	-	-	RP 609 M	-	-	-
GV 630 SV	-	●	●	RP 500	-	●	●
GV 630 SV/1	-	●	●	RP 500	-	●	●
GV 635 EURO	-	●	●	RP 500 F	-	●	●
GV 640 HiFi	-	●	●	RP 500	-	●	●
GV 640 NIC	-	●	●	RP 500	-	●	●
GV 645 EURO	-	●	●	RP 500 F	-	●	●
GV 650 HiFi	-	●	●	RP 540	-	●	●
GV 660 HiFi	-	●	●	RP 540	-	●	●
GV 660 NIC	-	●	●	RP 540	-	●	●
GV 665 EURO	-	●	●	RP 540 F	-	●	●
GV 670 S HiFi	-	●	●	RP 540	-	●	●
GV 670 S NIC	-	●	●	RP 540	-	●	●
GV 690 S HiFi	-	●	●	RP 540	-	●	●
GV 690 S NIC	-	●	●	RP 540	-	●	●
GV 6000 EURO	●	-	-	RP 160 F	●	-	-
GV 6000 SV	●	-	-	RP 160	●	-	-
GV 6000 SV/1	●	-	-	RP 160	●	-	-
GV 6001 V+	●	-	-	RP 160	●	-	-
GV 6066	●	-	-	RP 160	●	-	-
GV 6096 SV	-	●	●	RP 500	-	●	●
GV 6096 SV/1	-	●	●	RP 500	-	●	●
GV 6300 EURO	-	●	●	RP 500 F	-	●	●
GV 6300 SV	-	●	●	RP 500	-	●	●
GV 6300 SV/1	-	●	●	RP 500	-	●	●
GV 6396 VPT	-	●	●	RP 540	-	●	●
GV 6400 EURO	●	-	-	RP 160 F	●	-	-
GV 6400 HiFi	●	-	-	RP 160	●	-	-
GV 6400 HiFi/5	●	-	-	RP 160	●	-	-
GV 6400 NIC	●	-	-	RP 160	●	-	-
GV 6401 NIC	●	-	-	RP 160	●	-	-
GV 6596 HiFi	-	●	●	RP 540	-	●	●
GV 6596 NIC	-	●	●	RP 540	-	●	●
SE 6102 SV	-	●	●	RP 500	-	●	●
SE 6104 VPT	-	●	●	RP 540	-	●	●
SE 6106 HiFi	-	●	●	RP 540	-	●	●

Video Remote Control Codes: GV 27 to GV 8...

VCR	VCR Remote Control Code			RC Transmitter	Transmitter RC Code		
	RC 5 Code	16Bit Level 1	16Bit Level 2		RC 5 Code	16Bit Level 1	16Bit Level 2
GV 27	●	-	-	RP 170	●	-	-
GV 27 EURO	●	-	-	RP 170 FR	●	-	-
GV 27 VPS/5	●	-	-	RP 170	●	-	-
GV 47	●	-	-	RP 170	●	-	-
GV 47 VPS/5	●	-	-	RP 170	●	-	-
GV 709 M	-	-	-	RP 709/729	-	-	-
GV 729 M	-	-	-	RP 709/729	-	-	-
GV 740 HiFi	-	●	●	RP 500 / RP 7	-	●	●
GV 740 NIC	-	●	●	RP 500 / RP 7	-	●	●
GV 819 M	-	-	-	RP 819	-	-	-
GV 7000 EURO	●	-	-	RP 170 FR	●	-	-
GV 7000 SV	●	-	-	RP 170	●	-	-
GV 7000 SV-C	●	-	-	RP 170	●	-	-
GV 7003	●	-	-	RP 170	●	-	-
GV 7300 EURO	●	-	-	RP 170 FR	●	-	-
GV 7300 SV	●	-	-	RP 170	●	-	-
GV 7300 SV/5	●	-	-	RP 170	●	-	-
GV 7400 EURO	●	-	-	RP 170 FR	●	-	-
GV 7400 HiFi	●	-	-	RP 170	●	-	-
GV 7400 HiFi/5	●	-	-	RP 170	●	-	-
GV 7400 NIC	●	-	-	RP 170	●	-	-
GV 7400 NIC2	●	-	-	RP 170	●	-	-
GV 7497 NIC	-	●	●	RP 500 / RP 7	-	●	●
GV 8000 EURO	●	-	-	RP 700 FR	●	-	-
GV 8000 GB	●	-	-	RP 700	●	-	-
GV 8000 SV/1	●	-	-	RP 700	●	-	-
GV 8000 SV/2	●	-	-	RP 700	●	-	-
GV 8000 SV/5	●	-	-	RP 700	●	-	-
GV 8050 SV	●	-	-	RP 700	●	-	-
GV 8300 EURO	●	-	-	RP 700 FR	●	-	-
GV 8300 SV	●	-	-	RP 700	●	-	-
GV 8300 SV/5	●	-	-	RP 700	●	-	-
GV 8400 EURO	●	-	-	RP 700 FR	●	-	-
GV 8400 GB	●	-	-	RP 700	●	-	-
GV 8400 HiFi	●	-	-	RP 700	●	-	-
GV 8400 HiFi/5	●	-	-	RP 700	●	-	-
GV 8400 NIC 1	●	-	-	RP 700	●	-	-
GV 8400 NIC 2	●	-	-	RP 700	●	-	-
GV 8450 HiFi	●	-	-	RP 700	●	-	-
KV 7001 VPS/5	●	-	-	RP 170	●	-	-
KV 7301 VPS/5	●	-	-	RP 170	●	-	-
KV 8001 VPS/5	●	-	-	RP 700	●	-	-
KV 8301 VPS/5	●	-	-	RP 700	●	-	-
KV 8401 HiFi/5	●	-	-	RP 700	●	-	-
SE 7100 SV	●	-	-	RP 170	●	-	-
SE 7104	-	●	●	RP 500 / RP 7	-	●	●
SE 7105 HiFi	●	-	-	RP 170	●	-	-
SE 7106 HiFi	-	●	●	RP 500 / RP 7	-	●	●
SE 8100 SV / Palermo	●	-	-	RP 700	●	-	-
SE 8105 HiFi / Sevilla	●	-	-	RP 700	●	-	-

Video

Video Remote Control Codes: GV 29 to GV 9...

VCR	VCR Remote Control Code			RC Transmitter	Transmitter RC Code		
	RC 5 Code	16Bit Level 1	16Bit Level 2		RC 5 Code	16Bit Level 1	16Bit Level 2
GV 29 EURO	-	●	●	TP 90 V	-	●	●
GV 29 VPS	-	●	●	TP 90 V	-	●	●
GV 29 VPS/5	-	●	●	TP 90 V	-	●	●
GV 94 HiFi	-	●	●	TP 90 V	-	●	●
GV 94 NIC	-	●	●	TP 90 V	-	●	●
GV 900 SV/1	-	●	●	TP 90 V	-	●	●
GV 900 SV/2	-	●	●	TP 90 V	-	●	●
GV 920 HiFi	-	●	●	TP 90 V	-	●	●
GV 940 EURO	-	●	●	TP 90 V	-	●	●
GV 940 HiFi	-	●	●	TP 90 V	-	●	●
GV 940 HiFi/5	-	●	●	TP 90 V	-	●	●
GV 940 NIC	-	●	●	TP 90 V	-	●	●
GV 950 HiFi/NIC	-	●	●	TP 90 V	-	●	●
GV 1010 SV/1	-	●	●	TP 90 V	-	●	●
GV 1030 HiFi	-	●	●	TP 90 V	-	●	●
GV 3000 VPS/1	-	●	●	TP 90 V	-	●	●
GV 3000 VPS/2	-	●	●	TP 90 V	-	●	●
GV 3004 PDC/EURO	-	●	●	TP 90 V	-	●	●
GV 3005 VPS	-	●	●	TP 90 V	-	●	●
GV 3006 VPS	-	●	●	TP 90 V	-	●	●
GV 3010 SV/1	-	●	●	TP 90 V	-	●	●
GV 3010 SV/2	-	●	●	TP 90 V	-	●	●
GV 3015 SV	-	●	●	TP 90 V	-	●	●
GV 3042 NIC	-	●	●	TP 90 V	-	●	●
GV 3043 HiFi	-	●	●	TP 90 V	-	●	●
GV 3044 NIC/EURO	-	●	●	TP 90 V	-	●	●
GV 3045 HiFi	-	●	●	TP 90 V	-	●	●
GV 3100 VPS/1	-	●	●	TP 92 V	-	●	●
GV 3100 VPS/2	-	●	●	TP 92 V	-	●	●
GV 3105 VPS	-	●	●	TP 92 V	-	●	●
GV 3106 VPS	-	●	●	TP 92 V	-	●	●
GV 3110 SV/1	-	●	●	TP 92 V	-	●	●
GV 3110 SV/2	-	●	●	TP 92 V	-	●	●
GV 3115 SV	-	●	●	TP 92 V	-	●	●
GV 3142 NIC	-	●	●	TP 92 V	-	●	●
GV 3143 HiFi	-	●	●	TP 92 V	-	●	●
GV 3145 HiFi	-	●	●	TP 92 V	-	●	●
GV 3146 MULTI	-	●	●	TP 92 V	-	●	●
GV 3147 HiFi	-	●	●	TP 92 V	-	●	●
GV 5052 NIC	-	●	●	TP 90 V	-	●	●
GV 5053 HiFi	-	●	●	TP 90 V	-	●	●
GV 5054 NIC/EURO	-	●	●	TP 90 V	-	●	●
GV 5152 NIC	-	●	●	TP 92 V	-	●	●
GV 5153 HiFi	-	●	●	TP 92 V	-	●	●
GV 6062 NIC	-	●	●	TP 91 V	-	●	●
GV 6063 HiFi	-	●	●	TP 91 V	-	●	●
GV 6065 HiFi	-	●	●	TP 91 V	-	●	●
GV 6162 NIC	-	●	●	TP 93 V	-	●	●
GV 6163 HiFi	-	●	●	TP 93 V	-	●	●
GV 6165 HiFi	-	●	●	TP 93 V	-	●	●
GV 6167 HiFi	-	●	●	TP 93 V	-	●	●
GV 9000	-	●	●	TP 90 V	-	●	●
GV 9000 SV	-	●	●	TP 90 V	-	●	●
GV 9000 SV/5	-	●	●	TP 90 V	-	●	●

VCR	VCR Remote Control Code			RC Transmitter	Transmitter RC Code		
	RC 5 Code	16Bit Level 1	16Bit Level 2		RC 5 Code	16Bit Level 1	16Bit Level 2
GV 9300 EURO	-	●	●	TP 90 V	-	●	●
GV 9300 SV	-	●	●	TP 90 V	-	●	●
GV 9300 SV/5	-	●	●	TP 90 V	-	●	●
GV 9400 EURO	-	●	●	TP 90 V	-	●	●
GV 9400 HiFi	-	●	●	TP 90 V	-	●	●
GV 9400 HiFi/5	-	●	●	TP 90 V	-	●	●
GV 9400 NIC	-	●	●	TP 90 V	-	●	●
SE 1102 SV	-	●	●	TP 90 V	-	●	●
SE 1105 HiFi	-	●	●	TP 90 V	-	●	●
SE 1106 HiFi/NIC	-	●	●	TP 90 V	-	●	●
SE 1200 SV	-	●	●	TP 90 V	-	●	●
SE 1205 HiFi	-	●	●	TP 90 V	-	●	●
SE 1206 HiFi/NIC	-	●	●	TP 90 V	-	●	●
SE 1300 SV	-	●	●	TP 92 V	-	●	●
SE 1305 HiFi	-	●	●	TP 92 V	-	●	●
SE 9100 SV	-	●	●	TP 90 V	-	●	●
SE 9102 SV	-	●	●	TP 90 V	-	●	●
SE 9105 HiFi	-	●	●	TP 90 V	-	●	●
SE 9106 HiFi/NIC	-	●	●	TP 91 V	-	●	●

Continuous Operation and Special Functions: GV 600 to GV 690

Press the "Code" button, enter code number 8501, press the "OK" and function button(s)

Function	Code	GV 600 SV	GV 600 SV/1	GV 605 EURO	GV 609 M *	GV 630 SV	GV 630 SV/1	GV 635 EURO	GV 640 HiFi	GV 640 NIC	GV 645 EURO	GV 650 HiFi	GV 660 HiFi	GV 660 NIC	GV 665 EURO	GV 670 S NIC	GV 670 S HiFi	GV 690 S HiFi	GV 690 S NIC
		Continuous Recording Prog 1...	8 5 0 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Continuous Recording AV	8 5 0 1	-	-	●	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Continuous Playback	8 5 0 1	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Press the "Code" button, enter code number 85... and press the "OK" button

Function	Code	GV 600 SV	GV 600 SV/1	GV 605 EURO	GV 609 M	GV 630 SV	GV 630 SV/1	GV 635 EURO	GV 640 HiFi	GV 640 NIC	GV 645 EURO	GV 650 HiFi	GV 660 HiFi	GV 660 NIC	GV 665 EURO	GV 670 S NIC	GV 670 S HiFi	GV 690 S HiFi	GV 690 S NIC
		V-insertion On	8 5 1 0	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●
V-insertion Off	8 5 1 1	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
E-to-E Mode (AV2 -> AV1) On	8 5 1 3	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
E-to-E Mode (AV2 -> AV1) Off	8 5 1 4	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Video 1 Control Level	8 5 1 6	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Video 2 Control Level	8 5 1 7	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HF-Modulator Off	8 5 1 8	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HF-Modulator On	8 5 1 9	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Reception of 10 Bit Code free	8 5 2 6	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Reception of 10 Bit Code blocked	8 5 2 7	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DOS 312/312 lines On (for 50Hz)	8 5 4 6	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
DOS 312/313 lines On (for 100Hz)	8 5 4 7	-	-	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
NICAM Test No	8 5 6 0	-	-	-	-	-	-	-	-	●	-	-	-	●	-	●	-	-	●
NICAM Test Yes	8 5 6 1	-	-	-	-	-	-	-	-	●	-	-	-	●	-	●	-	-	●

Video

Continuous Operation and Special Functions: GV 6000 to GV 6596

Press the "Code" button, enter code number 8501, press the "OK" and function button(s)

Function	Code	GV 6000	EURO	GV 6000	SV	GV 6000	SV/1	GV 6001	V+	GV 6066	GV 6096	SV	GV 6096	SV/1	GV 6300	EURO	GV 6300	SV	GV 6300	SV/1	GV 6396	VPT	GV 6400	EURO	GV 6400	HiFi	GV 6400	HiFi/5	GV 6400	NiC	GV 6401	NiC	GV 6596	HiFi	GV 6596	NiC
		Continuous Recording Prog 1...	8 5 0 1	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●
Continuous Recording AV	8 5 0 1	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
Continuous Playback	8 5 0 1	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●

Press the "Code" button, enter code number 85... and press the "OK" button

Function	Code	GV 6000	EURO	GV 6000	SV	GV 6000	SV/1	GV 6001	V+	GV 6066	GV 6096	SV	GV 6096	SV/1	GV 6300	EURO	GV 6300	SV	GV 6300	SV/1	GV 6396	VPT	GV 6400	EURO	GV 6400	HiFi	GV 6400	HiFi/5	GV 6400	NiC	GV 6401	NiC	GV 6596	HiFi	GV 6596	NiC
		V-insertion On	8 5 1 0	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●
V-insertion Off	8 5 1 1	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
E-to-E Mode (AV2 -> AV1) On	8 5 1 3	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
E-to-E Mode (AV2 -> AV1) Off	8 5 1 4	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
Video 1 Control Level	8 5 1 6	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
Video 2 Control Level	8 5 1 7	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
HF-Modulator Off	8 5 1 8	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
HF-Modulator On	8 5 1 9	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
Reception of 10 Bit Code free	8 5 2 6	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
Reception of 10 Bit Code blocked	8 5 2 7	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
DOS 312/312 lines On (for 50Hz)	8 5 4 6	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
DOS 312/313 lines On (for 100Hz)	8 5 4 7	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
Piezoelectric Beeper Off	8 5 6 2	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●
Piezoelectric Beeper On	8 5 6 3	-	-	-	-	-	-	-	-	●	●	●	●	●	-	-	-	-	-	-	●	●	-	-	-	-	-	-	-	-	-	-	●	●	●	●

Video

Continuous Operation and Special Functions: GVP 600, GV 26, GV 46, SE 61...

Press the "Code" button, enter code number 8501, press the "OK" and function button(s)

Function	Code											
		GVP 600	ICN	EURO	GV 26	GV 26 EURO	GV 26 VPS	GV 46	GV 46 VPS	SE 6102 SV	SE 6104 VPT	SE 6106 HiFi
Continuous Recording Prog 1...	8 5 0 1	•	•	•	•	•	•	•	•	•	•	•
Continuous Recording AV	8 5 0 1	•	•	•	•	•	•	•	•	•	•	•
Continuous Playback	8 5 0 1	•	•	•	•	•	•	•	•	•	•	•

Press the "Code" button, enter code number 85... and press the "OK" button

Function	Code											
		GVP 600	ICN	EURO	GV 26	GV 26 EURO	GV 26 VPS	GV 46	GV 46 VPS	SE 6102 SV	SE 6104 VPT	SE 6106 HiFi
V-insertion On	8 5 1 0	•	•	•	•	•	•	•	•	•	•	•
V-insertion Off	8 5 1 1	•	•	•	•	•	•	•	•	•	•	•
E-to-E Mode (AV2 -> AV1) On	8 5 1 3	•	•	•	•	•	•	•	•	•	•	•
E-to-E Mode (AV2 -> AV1) Off	8 5 1 4	•	•	•	•	•	•	•	•	•	•	•
Video 1 Control Level	8 5 1 6	•	•	•	•	•	•	•	•	•	•	•
Video 2 Control Level	8 5 1 7	•	•	•	•	•	•	•	•	•	•	•
HF-Modulator Off	8 5 1 8	•	•	•	•	•	•	•	•	•	•	•
HF-Modulator On	8 5 1 9	•	•	•	•	•	•	•	•	•	•	•
Reception of 10 Bit Code free	8 5 2 6	•	•	•	•	•	•	•	•	•	•	•
Reception of 10 Bit Code blocked	8 5 2 7	•	•	•	•	•	•	•	•	•	•	•
DOS 312/312 lines On (for 50Hz)	8 5 4 6	•	•	•	•	•	•	•	•	•	•	•
DOS 312/313 lines On (for 100Hz)	8 5 4 7	•	•	•	•	•	•	•	•	•	•	•
Piezoelectric Beeper Off	8 5 6 2	•	•	•	•	•	•	•	•	•	•	•
Piezoelectric Beeper On	8 5 6 3	•	•	•	•	•	•	•	•	•	•	•

Video

Continuous Operation and Special Functions: GV 709 to GV 7497

Taste "Code" drücken, Code 8501 eingeben, Taste "OK" und Funktionstaste(n) drücken

Function	Code	GV 709 M	GV 729 M	GV 740 HiFi	GV 740 NIC	GV 7000 EURO	GV 7000 SV	GV 7000 SV-C	GV 7003	GV 7300 EURO	GV 7300 SV	GV 7300 SV/5	GV 7400 EURO	GV 7400 HiFi	GV 7400 HiFi/5	GV 7400 NIC	GV 7400 NIC2	GV 7497 NIC
		Continuous Recording Prog 1...	8 5 0 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Continuous Recording AV	8 5 0 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●
Continuous Playback	8 5 0 1	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●

Press the "Code" button, enter code number 85... and press the "OK" button

Function	Code	GV 709 M	GV 729 M	GV 740 HiFi	GV 740 NIC	GV 7000 EURO	GV 7000 SV	GV 7000 SV-C	GV 7003	GV 7300 EURO	GV 7300 SV	GV 7300 SV/5	GV 7400 EURO	GV 7400 HiFi	GV 7400 HiFi/5	GV 7400 NIC	GV 7400 NIC2	GV 7497 NIC
		V-insertion On	8 5 1 0	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-
V-insertion Off	8 5 1 1	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
Switching Voltage at A1 On	8 5 1 3	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
Switching Voltage at A1 Off	8 5 1 4	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
Video 1 Control Level	8 5 1 6	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
Video 2 Control Level	8 5 1 7	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
HF-Modulator Off	8 5 1 8	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
HF-Modulator On	8 5 1 9	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
Reception of 10 Bit Code free	8 5 2 6	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
Reception of 10 Bit Code blocked	8 5 2 7	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
DOS 312/312 lines On (for 50Hz)	8 5 4 6	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●
DOS 312/313 lines On (for 100Hz)	8 5 4 7	-	-	●	●	-	-	-	-	-	-	-	-	-	-	-	-	●

Video

Continuous Operation and Special Functions: GV27, GV47, KV7..., KV8..., SE7..., SE8...

Press the "Code" button, enter code number 8501, press the "OK" and function button(s)

Function	Code	GV 27...		KV 7001...				SE 7100...					
		GV 27...	GV 47...	KV 7001...	KV 7301...	KV 8301...	KV 8401...	SE 7100...	SE 7104...	SE 7105...	SE 7106...	SE 8100...	SE 8105...
Continuous Recording Prog 1...	8 5 0 1	.	.	.	.	.	.	.	.	.	.	.	.
Continuous Recording AV	8 5 0 1	.	.	.	.	.	.	.	.	●	●	.	.
Continuous Playback	8 5 0 1	.	.	.	.	.	.	.	●	.	.	.	.

Press the "Code" button, enter code number 85... and press the "OK" button

Function	Code	GV 27...		KV 7001...				SE 7100...					
		GV 27...	GV 47...	KV 7001...	KV 7301...	KV 8301...	KV 8401...	SE 7100...	SE 7104...	SE 7105...	SE 7106...	SE 8100...	SE 8105...
V-insertion On	8 5 1 0	.	.	.	.	.	.	.	●	.	.	.	.
V-insertion Off	8 5 1 1	.	.	.	.	.	.	.	●	.	●	.	.
Switching Voltage at A1 On	8 5 1 3	.	.	.	.	.	.	.	●	.	●	.	.
Switching Voltage at A1 Off	8 5 1 4	.	.	.	.	.	.	.	●	.	●	.	.
DOS 312/312 lines On (for 50Hz)	8 5 4 6	.	.	.	.	.	.	.	.	●	.	.	.
DOS 312/313 lines On (for 100Hz)	8 5 4 7	.	.	.	.	.	.	.	.	●	.	.	.

Continuous Operation and Special Functions: GV 29, GV 8..., GV 9..., SE 9...

Function	Code	GV 29...	GV 94...	GV 819...	GV 920...	GV 940...	GV 950...	GV 8000...	GV 8300...	GV 8400...	GV 8450...	GV 9000...	GV 9300...	GV 9400...	SE 9100...	SE 9102...	SE 9105...	SE 9106...
	

Continuous Operation and Special Functions can be activated by the OSD menu

Continuous Operation and Special Functions: GV 10...GV 60..., SE 11..., SE 12...

Function	Code	GV 1010...	GV 1030...	GV 3000...	GV 3004...	GV 3005...	GV 3006...	GV 3010...	GV 3015...	GV 3042...	GV 3043...	GV 3044...	GV 3045...	GV 5052...	GV 5053...	GV 5054...	GV 6062...	GV 6063...	GV 6065...	SE 1102...	SE 1105...	SE 1106...	SE 1200...	SE 1205...
	

Continuous Operation and Special Functions can be activated by the OSD menu

Continuous Operation and Special Functions: GV 31..., GV 51..., GV 61..., SE 13...

Function	Code	GV 3100...	GV 3105...	GV 3106...	GV 3110...	GV 3115...	GV 3142...	GV 3143...	GV 3145...	GV 3146...	GV 3147...	GV 5152...	GV 5153...	GV 6162...	GV 6163...	GV 6165...	GV 6167...	SE 1300...	SE 1305...
	

Continuous Operation and Special Functions can be activated by the OSD menu

Cancelling the Electronic Lock

VS 200 to VS 267

- Switch the video recorder off
- Remove the top of the cabinet
- Unplug the B1 connector on the sequence control
- Switch the recorder on
- After approx. 2 seconds, re-insert the B1 connector
- Switch the video recorder off
- Refit the top of the cabinet

VS 300 to VS 460

- Switch the video recorder off
- Remove the top of the cabinet
- Switch the recorder on
- Interconnect the service test points on the keyboard control unit for a short time
- Press the STOP button
- Switch the video recorder off
- Refit the top of the cabinet

VS 500

- Enter the numbers 4 9 3 4 on the remote control handset in this order and confirm with the button "0000"
- Press the STOP button

VS 505 to VS 510

- Enter the numbers 4 9 3 4 on the remote control handset in this order and confirm with the "OK" button
- Press the STOP button

VS 520 to VS 550

- Switch the video recorder off
- Remove the top of the cabinet
- Switch the recorder on
- Interconnect the service test points on the keyboard control unit for a short time
- Press the STOP button
- Switch the video recorder off
- Refit the top of the cabinet

VS 600 to VS 960

- Enter the numbers 4 9 3 4 on the remote control handset in this order and confirm with the "OK" button
- Press the STOP button

GV 200 to GV 250

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 on the remote control handset in this order and confirm with the "OK" button
- Press the STOP button

GV 201-1

- Press the "STANDBY" button on the remote control handset until "FREE" is indicated on the display of the video recorder

GV 280PC, GV 280S

- Enter the numbers 4 9 3 4 on the remote control handset in this order and confirm with the "OK" button
- Press the STOP button

GV 400, GV 400 GB and GV 400 OST

- With the video recorder switched off (Standby) press the Stop button on the remote control handset until "UNLO" appears on the display of the recorder.

GV 400 VPS and GV 401 VPT

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 402

- With the video recorder switched off (Standby) press the Stop button on the remote control handset until "UNLO" appears on the display of the recorder.

GV 404 SV, GV 405 EURO and GV 406 EURO

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 410

- With the video recorder switched off (Standby) press the Stop button on the remote control handset until "UNLO" appears on the display of the recorder.

GV 410 VPS and GV 411

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 411-1

- Press and hold the "STANDBY" button on the remote control handset (ca. 5 seconds) until "UNLOCKED" appears on the display of the video recorder.

GV 411-2

Without parental lock / electronic lock

GV 411 OST and GV 412

- With the video recorder switched off (Standby) press the Stop button on the remote control handset until "UNLO" appears on the display of the recorder.

GV 414 SV, GV 415 EURO, GV 416 EURO and GV 420 VPT

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 430 and GV 430 GB

- With the video recorder switched off (Standby) press the Stop button on the remote control handset until "UNLO" appears on the display of the recorder.

GV 430 VPS, GV 434 SV and GV 435 EURO

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 440... , GV 450... , GV 460... , GV 464... , GV 465 EURO and GV 470...

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 4000 VPS and GV 4001

- With the video recorder switched off (Standby) press the Stop button on the remote control handset until "UNLO" appears on the display of the recorder.

GV 4003 VPS

- With the video recorder switched off (Standby) press the Stop button on the remote control handset until "FREE" appears on the display of the recorder.

GV 4010 SV-VPT, GV 4092..., GV 4192 VPS, GV 4200 SV-VPT, GV 4400 HiFi, GV 4592...

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

SE 4100 VPS, SE 4104 SV and SE 4120 SV

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

MV 4005 and MV 4105

- With the video recorder switched off (Standby) press the Stop button on the remote control handset until "UNLO" appears on the display of the recorder.

GV 500..., GV 501 VPT, GV 505 EURO and GV 506 EURO

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 509 M

Without child lock / electronic lock

GV 510 SV, GV 511, GV 515 EURO, GV 530..., GV 535 EURO, GV 540..., GV 545 EURO, GV 560... and GV 565 EURO

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 5000, GV 5000 GB, GV 5000 VPS and GV 5000 VPS/5

- Press the "STANDBY" button on the remote control handset until "FREE" is indicated on the display of the video recorder

GV 5000 SAA

- Press the "STANDBY" button on the remote control handset until "UNLOCKED" is indicated on the display of the video recorder

GV 5002 VPS, GV 5003, GV 5008 and GV 5050

- Press the "STANDBY" button on the remote control handset until "FREE" is indicated on the display of the video recorder

GV 5050 SV, GV 5050 SV/1, GV 5055 EURO and GV 5095...

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 5300...

- Press the "STANDBY" button on the remote control handset until "FREE" is indicated on the display of the video recorder

GV 5395... , GV 5400... and GV 5695 HiFi

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GV 25 SV/5 and GV 45 SV/5

- Press the "STANDBY" button on the remote control handset until "FREE" is indicated on the display of the video recorder

KV 5001 VPS/5 and KV 5301 VPS/5

- Press the "STANDBY" button on the remote control handset until "FREE" is indicated on the display of the video recorder

GV 600, GV 630, GV 640..., GV 645..., GV 650..., GV 660..., GV 665..., GV 670..., GV 690..., GV 6096..., GV 6396..., GV 6596...

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

GVP 600 ICN EURO

- Press the "STANDBY" button on the remote control handset until "FREE" is indicated on the display of the video recorder

GV 740..., GV 745 EURO

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains







GV 7400...

- Press and hold down the remote control buttons "STANDBY" and "SELECT" simultaneously until the key symbol disappears from the display of the recorder

GV 7497 NIC

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains





GV 29..., GV 94..., GV 9000..., GV 9300...

- Select the "AV" programme position on the TV set for playing back a recording
- Switch the video recorder on with the  button
- Call up the main menu with the "i INFO" button
- Select "MODE" with the   buttons and confirm with the "OK" button
- Select "CHILD LOCK" with the   buttons
- Select "OFF" with the  button and confirm with "OK"

GV 900..., GV 920 HiFi, GV 940..., GV 950..., GV 1010..., GV 1030..., GV 9400...

- Press the "STANDBY" button on the remote control handset until the key symbol disappears from the display of the recorder


GV 3000...GV 3015..., GV 3042...GV 3045, GV 5052...GV5054, GV 6062..., GV 6063...

- Press the buttons "STANDBY" and "TIMER ON/OFF" simultaneously (Display "----")
- Press the buttons     and "OK" in this order.

GV 3100...GV 3115, GV 3142...GV 3147, GV 5152, GV 5153, GV 6162...GV 6167

- Press the buttons   - + and OK on the remote control in this order.

GDV Modul 1, DVD Modul, GDV 100..., GDV 110, GDV 200

- Press the button  4 times instead of your code number.

GDV 120...

- Enter the numbers 7 8 8 4 4 4 in this order.

GDV 130...

- Enter the numbers 8 0 9 5 in this order.





GDP 5100, GDP 5102, GDP 5120, GDP 6150

- Enter the numbers 1 9 9 9 in this order.

SE 1102..., SE 1105..., SE 1106...

- Press the "STANDBY" button on the remote control handset until the key symbol disappears from the display of the recorder

SE 1200..., SE 1205..., SE 1206...

- Press the buttons "STANDBY" and "TIMER ON/OFF" simultaneously (Display "– – – –")
- Press the buttons     and "OK" in this order.

SE 1210

- Enter the numbers 8 0 9 5 in this order.

SE 1230

- Enter the numbers 1 9 9 9 in this order.

SE 1300..., SE 1305...,

- Press the buttons   – + and **OK** on the remote control in this order.

SE 5102 SV, SE 5104 SV, SE 5106 HiFi, SE 6102 SV, SE 6104 SV, SE 6106 HiFi

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

SE 7104 SV

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains







SE 7105

- Press the remote control buttons "STANDBY" and "SELECT" simultaneously until the key symbol disappears from the display of the recorder

SE 7106 HiFi

- Press the "CODE" button on the remote control handset
- Enter the numbers 4 9 3 4 in this order and confirm with the "OK" button
- Press the "STANDBY" button or disconnect the video recorder from the mains

SE 9100...

- Select the "AV" programme position on the TV set for playing back a recording
- Switch the video recorder on with the  button
- Call up the main menu with the "i INFO" button
- Select "MODE" with the   buttons and confirm with the "OK" button
- Select "CHILD LOCK" with the   buttons
- Select "OFF" with the  button and confirm with "OK"

SE 9102 SV, SE 9105 HiFi, SE 9106 HiFi/NIC

- Press the "STANDBY" button on the remote control handset until the key symbol disappears from the display





GV 8..., KV 8..., SE 8...

- Press the remote control buttons "STANDBY" and "SELECT" simultaneously until the key symbol disappears from the display of the recorder

TVR 3700

- Press and hold down the Stop button on the remote control handset and press the Play button on the video recorder
- Press the "STANDBY" button or disconnect the video recorder from the mains

TVR 3701, TVR 3705, TVR 3710, TVR 3720, TVR 3730

- Press the cursor buttons on the remote control handset in this order    





TVR 3735..., TVR 3740...

- Enter the numbers 7 0 3 8 in this order on the remote control handset

TVR 4500 and TVR 4510

- Switch the TVR off and disconnect it from the mains
- Remove the rear of the cabinet
- Disconnect the cable and pull the video recorder out of the cabinet towards the back
- Connect the video recorder to the mains and switch it on
- Interconnect the service test points on the keyboard control unit shortly
- Switch the video recorder off and disconnect it from the mains
- Push the video recorder into the cabinet from the back and connect the cable
- Refit the rear of the cabinet

TVR 5100, TVR 5130, TVR 5500

- Press the cursor buttons on the remote control handset in this order    

TVR 5510

- Switch the TVR off and disconnect it from the mains
- Remove the rear of the cabinet
- Disconnect the cable and pull the video recorder out of the cabinet towards the back
- Connect the video recorder to the mains and switch it on
- Interconnect the service test points on the keyboard control unit shortly
- Switch the video recorder off and disconnect it from the mains
- Push the video recorder into the cabinet from the back and connect the cable
- Refit the rear of the cabinet

TVR 5530

- Press the cursor buttons on the remote control handset in this order    

TVR 5540...

- Enter the numbers 7 0 3 8 in this order on the remote control handset

Jigs and Tools for Video Recorders (Part 1)

Designation	Part Number	GV 600 SV	GV 600 SV/1	GV 605 EURO	GV 609 M *	GV 630 SV	GV 630 SV/1	GV 635 EURO	GV 640 HiFi	GV 640 NIC	GV 645 EURO	GV 650 HiFi	GV 660 HiFi	GV 660 NIC	GV 665 EURO	GV 670 S NIC	GV 670S HiFi	GV 690 S HiFi	GV 690 S NIC
		Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adapter	75987 262 7300	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tape Tension Adjustm` t handle+Pin	75988 002 2700	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75987 262 7200	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustment Screwdriver	75987 262 8000	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tentelometer	com. available	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Headwheel Extractor	75988 002 3700	●	●	●	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●
S-VHS Adapter Card	75988 039 5500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S-VHS Adapter Cable	75988 039 5400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Designation	Part Number	GV 6000 EURO	GV 6000 SV	GV 6000 SV/1	GV 6001 V+	GV 6066	GV 6096 SV	GV 6096 SV/1	GV 6300 EURO	GV 6300 SV	GV 6300 SV/1	GV 6396 VPT	GV 6400 EURO	GV 6400 HiFi	GV 6400 HiFi/5	GV 6400 NIC	GV 6401 NIC	GV 6596 HiFi	GV 6596 NIC
		Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adapter	75987 262 7300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tape Tension Adjustm` t handle+Pin	75988 002 2700	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75987 262 7200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustment Screwdriver	75987 262 8000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tentelometer	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Headwheel Extractor	75988 002 3700	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Designation	Part Number	GVP 600 ICN EURO	GV 26	GV 26 EURO	GV 26 VPS	GV 46	GV 46 VPS	SE 6102 SV	SE 6104 VPT	SE 6106 HiFi
		Test Cassette	75988 061 7000	●	●	●	●	●	●	●
Adapter	75987 262 7300	●	●	●	●	●	●	●	●	●
Tape Tension Adjustm` t handle+Pin	75988 002 2700	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75987 262 7200	●	●	●	●	●	●	●	●	●
Adjustment Screwdriver	75987 262 8000	●	●	●	●	●	●	●	●	●
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●
Tentelometer	com. available	●	●	●	●	●	●	●	●	●
Headwheel Extractor	75988 002 3700	●	●	●	●	●	●	●	●	●

* see Service Manual page 1-2

Video

Jigs and Tools for Video Recorders (Part 2)

Designation	Part Number																	
		GV 709 M *	GV 729 M *	GV 740 HiFi	GV 740 NiC	GV 7000 EURO	GV 7000 SV	GV 7000 SV-C	GV 7003	GV 7300 EURO	GV 7300 SV	GV 7300 SV/5	GV 7400 EURO	GV 7400 HiFi	GV 7400 HiFi/5	GV 7400 NiC	GV 7400 NiC2	GV 7497 NiC
Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adapter	75987 262 7300	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tape Tension Adjustm` t handle+Pin	75988 002 2700	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75987 262 7200	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustment Screwdriver	75987 262 8000	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tentelometer	com. available	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Headwheel Extractor	75988 002 3700	-	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Video

Designation	Part Number																	
		GV 819 M *	GV 8000 EURO	GV 8000 GB	GV 8000 SV/1	GV 8000 SV/2	GV 8000 SV/5	GV 8050 SV	GV 8300 EURO	GV 8300 SV	GV 8300 SV/5	GV 8400 EURO	GV 8400 GB	GV 8400 HiFi	GV 8400 HiFi/5	GV 8400 NiC 1	GV 8400 NiC 2	GV 8450 HiFi
Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adapter	75987 262 7300	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tape Tension Adjustm` t handle+Pin	75988 002 2700	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75987 262 7200	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustment Screwdriver	75987 262 8000	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tentelometer	com. available	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Headwheel Extractor	75988 002 3700	-	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Designation	Part Number																	
		GV 27	GV 27 EURO	GV 27 VPS/5	GV 47	GV 47 VPS/5						SE 7100 SV	SE 7104 SV	SE 7105 HiFi	SE 7106 HiFi	SE 8100 SV	SE 8105 HiFi	
Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adapter	75987 262 7300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tape Tension Adjustm` t handle+Pin	75988 002 2700	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75987 262 7200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustment Screwdriver	75987 262 8000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tentelometer	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Headwheel Extractor	75988 002 3700	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

* see Service Manual page 1-2

Jigs and Tools for Video Recorders (Part 3)

Designation	Part Number	GV 29...	GV 94...	GV 900...	GV 920 HiFi	GV 940...	GV 950 HiFi/NIC	GV 9000...	GV 9300...	GV 9400...	SE 9100 SV	SE 9102 SV	SE 9105 HiFi	SE 9106 HiFi/NIC
Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●
Torque Cassette Meter	75988 047 1200	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75981 311 3200	●	●	●	●	●	●	●	●	●	●	●	●	●
X-value Adjustment Tool	75988 047 1100	-	-	●	●	●	●	-	-	●	-	●	●	●
Tension Gauge	com. available	-	-	●	●	●	●	-	-	●	-	●	●	●
Screwdriver (slotted)	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●
Torque Screwdriver	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●
Hexagon Box Wrench 5.5mm	com. available	-	-	●	●	●	●	-	-	●	-	●	●	●
Slide Gauge	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●

Designation	Part Number	GV 1010 SV/1	GV 1030 HiFi	GV 3000 VPS...	GV 3004 PDC/EURO	GV 3005 VPS	GV 3006 VPS	GV 3010 SV...	GV 3015 SV	GV 3042 NIC	GV 3043 HiFi	GV 3044 NIC/EURO	GV 3045 HiFi	GV 3100 VPS...	GV 3105 VPS	GV 3106 VPS	GV 3110 SV...	GV 3115 SV	GV 3142 NIC	GV 3143 HiFi	GV 3145 HiFi	GV 3146 MULTI	GV 3147 HiFi
Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torque Cassette Meter	75988 047 1200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75981 311 3200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
X-value Adjustment Tool	75988 047 1100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tension Gauge	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Screwdriver (slotted)	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torque Screwdriver	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hexagon Box Wrench 5.5mm	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Slide Gauge	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Designation	Part Number	GV 5052 NIC	GV 5053 HiFi	GV 5054 NIC/EURO	GV 5152 NIC	GV 5153 HiFi	GV 6062 NIC	GV 6063 HiFi	GV 6065 HiFi	GV 6162 NIC	GV 6163 HiFi	GV 6165 HiFi	GV 6167 HiFi	SE 1102 SV	SE 1105 HiFi	SE 1106 HiFi/NIC	SE 1200 SV	SE 1205 HiFi	SE 1206 HiFi/NIC	SE 1300 SV	SE 1305 HiFi	
Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torque Cassette Meter	75988 047 1200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75981 311 3200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
X-value Adjustment Tool	75988 047 1100	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●
Tension Gauge	com. available	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●
Screwdriver (slotted)	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torque Screwdriver	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hexagon Box Wrench 5.5mm	com. available	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	●	●	●	●	●
Slide Gauge	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Video

Jigs and Tools for TVR Combinations

Video

Designation	Part Number	TVR 3701 SV	TVR 3701 SV/FR	TVR 3705	TVR 3705 FR	TVR 3710	TVR 3710 FR	TVR 3710 GB	TVR 3720	TVR 3720 GB	TVR 3730 Text	TVR 3730 Text/FR	TVR 3730 Text/GB	TVR 3735 FR/TOP	TVR 3735/1 TOP	TVR 3735/2 TOP	TVR 3740 FR/TOP	TVR 3740 FT/GB	TVR 3740/1 TOP	TVR 3740/2 TOP
		Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adapter	75987 262 7300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tape Tension Adjustm` t handle+Pin	75988 002 2700	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75987 262 7200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustment Screwdriver	75987 262 8000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Headwheel Extractor	75988 002 3700	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Screwdriver (slotted)	com. available	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hexagon Box Wrench 5.5mm	com. available	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slide Gauge	com. available	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tentelometer	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Designation	Part Number	TVR 5100	TVR 5100 Text (BA)	TVR 5100 FR	TVR 5100 GB	TVR 5120 FR	TVR 5130 FR	TVR 5130 Text	TVR 5130 Text/GB	TVR 5500	TVR 5500 FR	TVR 5530 Text	TVR 5530 Text/FR	TVR 5540 FR/TOP	TVR 5540 FT/GB	TVR 5540/1 TOP	TVR 5540/2 TOP
		Test Cassette	75988 061 7000	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adapter	75987 262 7300	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tape Tension Adjustm` t handle+Pin	75988 002 2700	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Torquemeter 600gf-cm	75987 262 7200	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Adjustment Screwdriver	75987 262 8000	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Headwheel Extractor	75988 002 3700	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Screwdriver (slotted)	com. available	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nylon Gloves	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Hexagon Box Wrench 5.5mm	com. available	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slide Gauge	com. available	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tentelometer	com. available	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Contents: Camcorders

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To be better readable part numbers are shown with two spaces.
 For ordering spare parts please indicate part numbers as **twelve-figure number** without spaces.

Modulators and Power Supply Units

Camcorder	Modulator	Part Number	Power Supply	Part Number
VS-C 20	–	–	NA 50	75987 430 0400
VS-C 30	–	–	NA 50	75987 430 0400
VS-C 35	M 45	75987 482 8200	NA 75 A	75987 579 7000
VS-C 40	M 60	sold out	NA 60	75987 457 0300
VS-C 45	M 45	75987 482 8200	NA 80	75987 513 0900
VS-C 46	M 45	75987 482 8200	NA 75	75987 550 6000
VS-C 50	M 50	75987 430 0500	NA 50	75987 430 0400
VS-C 55	M 45	75987 482 8200	NA 75	75987 550 6000
VS-C 60	M 60	sold out	NA 60	75987 457 0300
VS-C 70	M 60	sold out	NA 80	75987 513 0900
S-VS-C 75	M 45	75987 482 8200	NA 75	75987 550 6000
S-VS-C 80	M 60	sold out	NA 80	75987 513 0900
S-VS-C 85	M 45	75987 482 8200	NA 80	75987 513 0900
VS 120	in Tuner/Timer	–	NA 120	75987 331 9100
VS 150	M 150	sold out	NA 150	75987 356 3800
VS 160	in Power Supply	–	NA 160	75987 249 7200
VS 170	in Power Supply	–	NA 170	75907 710 5100
S-VS 180	in Power Supply	–	NA 170	75907 710 5100
VS 4-8	in VS 4-8	–	NA 8	75987 527 8800
VS 8000	M 8	75987 527 8900	NA 8	75987 527 8800
VS 8100	M 81	75987 553 1100	NA 8-1	75987 553 1000
VS 8150	M 81	75987 553 1100	NA 8-1 A	75987 580 4000
VS 8250	M 81	75987 553 1100	NA 8-2	75987 580 1400
VS 8300	M 8	75987 527 8900	NA 8	75987 527 8800
VS 8320	M 81	75987 553 1100	NA 8	75987 527 8800
VS 8500	M 81	75987 553 1100	NA 8	75987 527 8800
VS 8800	M 81	75987 553 1100	NA 8-1	75987 553 1000
LC 125 C	M 45	75987 482 8200	NA 75	75987 550 6000
LC 145 E	M 81	75987 553 1100	NA 8	75987 527 8800
LC 175 HE	M 81	75987 553 1100	NA 8-1 A	75987 580 4000
LC 180 HE	M 81	75987 553 1100	NA 8	75987 527 8800
LC 210 C	M 45	75987 482 8200	NA 75 B	75981 277 9800
LC 215C	M 45	75987 482 8200	NA 75 B	75981 277 9800
LC 225C	M 45	75987 482 8200	NA 75 B	75981 277 9800
LC 230 E	M 81	75987 553 1100	NA 8-2	75987 580 1400
LC 232 E	M 81	75987 553 1100	NA 8-1	75987 553 1000
LC 235 E	M 81	75987 553 1100	NA 8-1	75987 553 1000
LC 240 E	M 81	75987 553 1100	NA 8-3	75981 281 5100
LC 255 SC	M 45	75987 482 8200	NA 75 A	75987 579 7000
LC 280 HE	M 81	75987 553 1100	NA 8-4	75981 293 4000
LC 285 HE	M 81	75987 553 1100	NA 8	75987 527 8800
LC 290 N	M 45	75987 482 8200	NA 190 A	75981 281 3000
LC 295 SN	M 45	75987 482 8200	NA 190 A	75981 281 3000
LC 310 C	M 45	75987 482 8200	NA 85	75981 295 9600
LC 320 C	M 45	75987 482 8200	NA 90	75981 304 2700
LC 330 E	M 81	75987 553 1100	NA 8-3	75981 281 5100
LC 335 E	M 81	75987 553 1100	NA 8-3	75981 281 5100
LC 345 E	M 81	75987 553 1100	NA 8-3	75981 281 5100
LC 355 SC	M 45	75987 482 8200	NA 90	75981 304 2700
LC 360 SC	M 45	75987 482 8200	NA 85	75981 295 9600
LC 375 HE	M 81	75987 553 1100	NA 8-1	75987 553 1000
LC 380 HE	M 81	75987 553 1100	NA 8-4	75981 293 4000

Camcorder	Modulator	Part Number	Power Supply	Part Number
LC 400 C	M 45	75987 482 8200	NA 95	75981 320 2700
LC 410 C	M 45	75987 482 8200	NA 95	75981 320 2700
LC 435 E	M 81	75987 553 1100	NA 8-3 *	75981 281 5100
LC 445 E	M 81	75987 553 1100	NA 8-3 *	75981 281 5100
LC 450 SC	M 45	75987 482 8200	NA 96	75981 332 6400
LC 460 SC	M 45	75987 482 8200	NA 96	75981 332 6400
LC 475 HE	M 81	75987 553 1100	NA 8-3 *	75981 281 5100
LC 485 HE	M 81	75987 553 1100	NA 8-1	75987 553 1000
LC 500 C	M 45	75987 482 8200	NA 96	75981 332 6400
LC 535 E	M 81	75987 553 1100	NA-L 1	75981 335 1200
LC 550 SC	M 45	75987 482 8200	NA 96	75981 332 6400
LC 560 SC	M 45	75987 482 8200	NA 96	75981 332 6400
LC 575 E	M 81	75987 553 1100	NA-L 1	75981 335 1200
LC 600 C	M 45	75987 482 8200	NA 96	75981 332 6400
LC 610 C	M 45	75987 482 8200	NA 96	75981 332 6400
LC 635 E	M 81	75987 553 1100	NA 8-5	75981 345 0600
LC 645 E	M 81	75987 553 1100	NA 8-5	75981 345 0600
LC 650 SC	–	–	NA 96	75981 332 6400
LC 675 HE	M 81	75987 553 1100	NA 8-6	75981 353 4800
LC 685 HE	M 81	75987 553 1100	NA 8-6	75981 353 4800
LC 695 SN	M 45	75987 482 8200	NA 190B	75981 348 9000
LC 700 C	M 45	75987 482 8200	NA 96	75981 332 6400
LC 735 E	M 81	75987 553 1100	NA 8-7	75981 355 0400
LC 750 SC	–	–	NA 96	75981 332 6400
LC 760 SC	–	–	NA 96	75981 332 6400
LC 775 HE	M 81	75987 553 1100	NA 8-72	75981 354 6400
LC 785 HE	M 81	75987 553 1100	NA 8-71	75981 354 0200
LC 800 C	–	–	NA 97	75981 361 7600
LC 835 E	M 81	75987 553 1100	NA-L 98	75981 365 1000
LC 875 HE	M 81	75987 553 1100	NA-L 98	75981 365 1000
LC 885 HE	M 81	75987 553 1100	NA-L 98	75981 365 1000
LC 900 C	–	–	NA 99	75981 370 0000
LC 935 E	M 81	75987 553 1100	NA-L 98	75981 365 1000
LC 975 HE	M 81	75987 553 1100	NA-L 98	75981 365 1000
LC 1000 VC	–	–	NA 99	75981 370 0000
LC 1150 VC	–	–	NA 99	75981 370 0000
LC 3000 E	M 81	75987 553 1100	NA-L 98	75981 365 1000
LC 3100 HE	–	–	NA-L 98	75981 365 1000
LC 5000 HE	M 81	75987 553 1100	NA-L 98	75981 365 1000
LC-D 80 E	M 81	75987 553 1100	NA-L 1	75981 335 1200
LC-D 100 E	M 81	75987 553 1100	NA-L 2	75981 338 0700
LC-D 200 HE	M 81	75987 553 1100	NA-L 98	75981 365 1000
LC-D 300 HE	M 81	75987 553 1100	NA-L 98	75981 365 1000
LCD 6000 HE	M 81	75987 553 1100	NA-L 98	75981 365 1000
LCD 6100 HE	–	–	NA-L 98	75981 365 1000
DLC 1	–	–	NA-D 1	75981 358 0000
DLC 10	–	–	NA-D 10	75981 368 4500
DLC 20	–	–	NA-L 11	75981 369 8000
DLC 1000	–	–	NA-D1000	75981 379 0000
DLC 1500	–	–	NA-D1000	75981 379 0000
DLC 2000	–	–	NA-D2000	75981 385 7100

* is optionally replaced by NA-L 1

Camcorder

Accumulators

Camcorder	Incl.	Data	Part Number	Optional 2nd Accumulator
VS-C 20	BP 20	9,6V/450mAh	75987 447 0800	BP 21, BP 60, BP 80
VS-C 30	BP 20	9,6V/450mAh	75987 447 0800	BP 21, BP 60, BP 80
VS-C 35	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
VS-C 40	BP 60	9,6V/1100mAh	75987 457 0200	BP 21, BP 60, BP 80
VS-C 45	BP 60	9,6V/1100mAh	75987 457 0200	BP 21, BP 60, BP 80
VS-C 46	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
VS-C 50	BP 51	9,6V/1100mAh	75987 430 0700	BP 21, BP 51, BP 52, BP 60, BP 80
VS-C 55	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
VS-C 60	BP 60	9,6V/1100mAh	75987 457 0200	BP 21, BP 60, BP 80
VS-C 70	BP 60	9,6V/1100mAh	75987 457 0200	BP 21, BP 60, BP 80
S-VS-C 75	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
S-VS-C 80	BP 80	9,6V/1400mAh	75987 513 0700	BP 21, BP 60, BP 80
S-VS-C 85	BP 80	9,6V/1400mAh	75987 513 0700	BP 21, BP 60, BP 80
VS 120	BP 121	12V/1000mAh	replacement BP 122	BP 121, BP 122, BP 123
VS 150	BP 151	12V/800mAh	75987 356 6000	BP 151, BP 152
VS 160	BP 122	12V/2000mAh	75987 331 9200	BP 121, BP 122, BP 123
VS 170	BP 122	12V/2000mAh	75987 331 9200	BP 121, BP 122, BP 123
S-VS 180	BP 122	12V/2000mAh	75987 331 9200	BP 121, BP 122, BP 123
VS 4-8	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
VS 8000	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
VS 8100	BP 8-4	6V/1400mAh	75987 553 2200	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
VS 8150	BP 8-4	6V/1400mAh	75987 553 2200	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
VS 8250	BP 8-4	6V/1400mAh	75987 553 2200	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
VS 8300	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
VS 8320	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
VS 8500	BP 8-2	6V/2000mAh	75987 525 8300	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
VS 8800	BP 8-5	6V/1800mAh	replacement BP 8-3	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 125 C	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
LC 145 E	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 175 HE	BP 8-5	6V/1800mAh	replacement BP 8-3	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 180 HE	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 210 C	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
LC 215 C	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
LC 225 C	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
LC 230 E	BP 8-4	6V/1400mAh	75987 553 2200	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 232 E	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 235 E	BP 8-6	6V/1200mAh	75981 283 9500	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 240 E	BP 8-6	6V/1200mAh	75981 283 9500	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 255 SC	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
LC 280 HE	BPL 8-7	7,2V/1000mAh	75981 291 7800	BPL 8-4, BPL 8-7
LC 285 HE	BP 8-6	6V/1200mAh	75981 283 9500	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 290 N	BP 124	12V/2000mAh	75913 210 0000	BP 124
LC 295 SN	BP 124	12V/2000mAh	75913 210 0000	BP 124
LC 310 C	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70
LC 320 C	BP 75	4,8V/1300mAh	75981 304 2600	BP 74, BP 75, BP 85
LC 330 E	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 335 E	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 345 E	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 355 SC	BP 75	4,8V/1300mAh	75981 304 2600	BP 74, BP 75, BP 85
LC 360 SC	BP 65	6V/1200mAh	75987 568 8700	BP 65, BP 70 *
LC 375 HE	BP 8-6	6V/1200mAh	75981 283 9500	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 380 HE	BPL 8-7	7,2V/1000mAh	75981 291 7800	BPL 8-4, BPL 8-7
LC 400 C	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 410 C	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 435 E	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 445 E	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6

Camcorder	Incl.	Data	Part Number	Optional 2nd Accumulator
LC 450 SC	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 460 SC	BP 75	4,8V/1300mAh	75981 304 2600	BP 74, BP 75, BP 85
LC 475 HE	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 485 HE	BP 8-6	6V/1200mAh	75981 283 9500	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 500 C	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 535 E	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 550 SC	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 560 SC	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 575 E	BP 8-1	6V/1000mAh	75987 527 9000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 600 C	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 610 C	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 635 E	BP 8-8	6V/800mAh	75981 352 5000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 645 E	BP 8-8	6V/800mAh	75981 352 5000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 650 SC	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 675 HE	BPL 8-8	7,2V/1350mAh	75981 353 4900	BPL 8-8, BPL 8-10, BPL 8-12
LC 685 HE	BPL 8-8	7,2V/1350mAh	75981 353 4900	BPL 8-8, BPL 8-10, BPL 8-12
LC 695 SN	BP 124	12V/2000mAh	75913 210 0000	BP 124
LC 700 C	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 735 E	BP 8-8	6V/800mAh	75981 352 5000	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC 750 SC	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 760 SC	BP 74	4,8V/1200mAh	75981 320 2600	BP 74, BP 75, BP 85
LC 775 HE	BPL 8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC 785 HE	BPL 8-8	7,2V/1350mAh	75981 353 4900	BPL 8-8, BPL 8-10, BPL 8-12
LC 800 C	BP 74	4,8V/1200mAh	75981 358 0300	BP 74, BP 75, BP 85
LC 835 E	BPL8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC 875 HE	BPL8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC 885 HE	BPL8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC 900 C	BPL 99	7,2V/1300mAh	75981 371 0900	BPL 99
LC 935 E	BPL 8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC 975 HE	BPL 8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC 1000 VC	BPL 99	7,2V/1300mAh	75981 371 0900	BPL 99
LC 1150 VC	BPL 99	7,2V/1300mAh	75981 371 0900	BPL 99
LC 3000 E	BPL 8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC 3100 HE	BPL8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC 5000 HE	BPL 8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC-D 80 E	BP 8-4	6V/1400mAh	75987 553 2200	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC-D 100 E	BP 8-4	6V/1400mAh	75987 553 2200	BP 8-1, BP 8-2, BP 8-3, BP 8-4, BP 8-5, BP 8-6
LC-D 200 HE	BPL8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LC-D 300 HE	BPL 8-10	7,2V/700mAh	75981 356 5200	BPL 8-8, BPL 8-10, BPL 8-12
LCD 6000 HE	BPL 8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
LCD 6100 HE	BPL 8-10	7,2V/700mAh	75981 354 6500	BPL 8-8, BPL 8-10, BPL 8-12
DLC 1	BPL 97	7,2V/1255mAh	75981 358 0100	BPL 97
DLC 10	BPL 98	7,2V/800mAh	75981 368 4700	BPL 98
DLC 20	BPL 98	7,2V/800mAh	75981 368 4700	BPL 98
DLC 1000	BPL 1000	7,2V/800mAh	75981 388 2500	BPL 1000
DLC 1500	BPL 1000	7,2V/800mAh	75981 388 2500	BPL 1000
DLC 2000	BPL 2000	7,4/1100mAh	75981 385 7200	BPL 2000

Extra accessory: BP 8-3 6V/2400mAh 75909 310 0000
 Extra accessory: BP 52 9,6V/1400mAh 75987 430 1200
 Extra accessory: BP 70 6V/2400mAh 75909 610 0000
 Extra accessory: BP 85 4,8V/2600mAh 75913 510 0000
 Extra accessory: BP 123 12V/2300mAh 75909 710 0000
 Extra accessory: BPL 8-4 7,2V/1200mAh 75981 291 7800
 Extra accessory: BPL 8-12 7,2V/1500mAh 75981 356 5200

*When using the BP 70 accumulator the battery compartment of LC 360 SC cannot be closed completely.

Back-up Batteries and Remote Control Transmitters

Camcorder	Back-up Battery	RC Transmitter	Part Number	Transmitter Battery
VS-C 20	-	-	-	-
VS-C 30	-	-	-	-
VS-C 35	CR 2032	-	-	-
VS-C 40	LR 1130	-	-	-
VS-C 45	LR 1130	-	-	-
VS-C 46	CR 2032	-	-	-
VS-C 50	-	-	-	-
VS-C 55	CR 2032	-	-	-
VS-C 60	LR 1130	-	-	-
VS-C 70	LR 1130	-	-	-
S-VS-C 75	CR 2032	-	-	-
S-VS-C 80	LR 1130	-	-	-
S-VS-C 85	CR 2032	-	-	-
VS 150	-	-	-	-
VS 160	3 x Micro (AAA)	-	-	-
VS 170	LR 1130	-	-	-
S-VS 180	LR 1130	-	-	-
VS 8000	CR 2025	-	-	-
VS 8100	CR 2025	-	-	-
VS 8150	CR 2025	RC 8-2	75987 580 0200	2 x Mignon
VS 8250	CR 2025	RC 8-2	75987 580 0200	2 x Mignon
VS 8300	CR 2025	-	-	-
VS 8320	CR 2025	-	-	-
VS 8500	CR 2025	-	-	-
VS 8800	CR 2025	RC 8-1	75987 559 0200	2 x Mignon
LC 125 C	CR 2032	-	-	-
LC 145 E	CR 2025	RC 8-4	75981 273 0100	2 x Mignon
LC 175 HE	CR 2025	RC 8-3	75987 585 0700	2 x Mignon
LC 180 HE	CR 2025	RC 8-5	75981 271 1900	2 x Mignon
LC 210 C	CR 2032	-	-	-
LC 215 C	CR 2032	-	-	-
LC 225 C	CR 2032	-	-	-
LC 230 E	CR 2025	RC 8-6	75987 585 0700	CR 2025
LC 232 E	CR 2025	-	-	-
LC 235 E	CR 2025	RC 8-4	75981 273 0100	2 x Mignon
LC 240 E	CR 2025	RC 8-7	75981 282 1500	2 x Mignon
LC 255 SC	CR 2032	-	-	-
LC 280 HE	CR 2025	RC 8-9	75981 291 6600	CR 2025
LC 285 HE	CR 2025	RC 8-8	75981 284 1000	CR 2025
LC 290 N	Lithium battery *	-	-	-
LC 295 SN	Lithium battery *	-	-	-
LC 310 C	CR 2032	-	-	-
LC 320 C	CR 2032	-	-	-
LC 330 E	CR 2025	-	-	-
LC 335 E	CR 2025	RC 8-4	75981 273 0100	2 x Mignon
LC 345 E	CR 2025	RC 8-4	75981 273 0100	2 x Mignon
LC 355 SC	CR 2032	-	-	-
LC 360 SC	Lithium battery *	-	-	-
LC 375 HE	CR 2025	RC 8-7	75981 282 1500	2 x Mignon
LC 380 HE	CR 2025	RC 8-9	75981 291 6600	CR 2025

Camcorder	Back-up Battery	RC Transmitter	Part Number	Transmitter Battery
LC 400 C	Lithium battery *	—	—	—
LC 410 C	Lithium battery *	—	—	—
LC 435 E	CR 2025	—	—	—
LC 445 E	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC 450 SC	Lithium battery *	—	—	—
LC 460 SC	Lithium battery *	—	—	—
LC 475 HE	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC 485 HE	CR 2025	RC 8-10	75981 322 0700	2 x Mignon
LC 500 C	Lithium battery *	—	—	—
LC 535 E	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC 550 SC	VL 2020 *	RC 500	75981 342 3800	CR 2025
LC 560 SC	VL 2330 *	RC 500	75981 342 3800	CR 2025
LC 575 E	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC 600 C	VL 2330/1HF *	—	—	—
LC 610 C	VL 2020/1HF *	RC 500	75981 342 3800	CR 2025
LC 635 E	CR 2025	—	—	—
LC 645 E	CR 2025	RC 6E	75981 346 0400	2 x Mignon
LC 650 SC	VL 2330/1HF *	RC 500	75981 342 3800	CR 2025
LC 675 HE	CR 2025	—	—	—
LC 685 HE	CR 2025	RC 6HE	75981 351 0500	2 x Mignon
LC 695 SN	VL 2020 *	—	—	—
LC 700 C	VL 2330/1HF *	—	—	—
LC 735 E	CR 2025	RC 6E	75981 346 0400	2 x Mignon
LC 750 SC	VL 2020/1HF *	RC 500	75981 342 3800	CR 2025
LC 760 SC	VL 2020/1HF *	RC 500	75981 342 3800	CR 2025
LC 775 HE	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC 785 HE	CR 2025	RC 6HE	75981 351 0500	2 x Mignon
LC 800 C	ML 2020 *	—	—	—
LC 835 E	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC 875 HE	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC 885 HE	CR 2025	RC 6HE	75981 351 0500	2 x Mignon
LC 900 C	ML 2020 *	—	—	—
LC 935 E	CR 2025	—	—	—
LC 975 HE	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC 1000 VC	CR 2025	—	—	—
LC 1150 VC	CR 2025	—	—	—
LC 3000 E	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC 3100 HE	VL 2020 *	RC 8-11	75981 328 0500	2 x Mignon
LC 5000 HE	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC-D 80 E	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC-D 100 E	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC-D 200 HE	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LC-D 300 HE	CR 2025	RC 8-11	75981 373 1200	2 x Mignon
LCD 6000 HE	CR 2025	RC 8-11	75981 328 0500	2 x Mignon
LCD 6100 HE	VL 2020 *	RC 8-11	75981 373 1200	2 x Mignon
DLC 1	VL 2020/1HF *	RC 700	75981 357 4300	CR 2025
DLC 10	VL 2020/1HF *	RC 10	75981 368 2200	CR 2025
DLC 20	VSB0407 *	TP 70 V	75981 369 8600	2 x Mignon
DLC 1000	ML 920 S *	TP 72 V	75981 357 4300	CR 2025
DLC 1500	ML 920 S *	TP 72 V	75981 357 4300	CR 2025
DLC 2000	CR 2025	TP 71 V	75981 385 7000	CR 2025

* Soldered into the camcorder

Camcorder

Sockets and Filter Threads

Camcorder	Socket		Signal		S-Video		Video		Audio (Stereo)		RC (REC)		Micro (Mono)		Earphones		FilterThread			
	IEEE 1394	Jack	Digital Video	Digital Video	10-pol AV/S	S-Video	BNC	1 x Cinch	10-pol AV/S	8-pin Movie	8-pin Movie	4-pin Jack	4-pin Jack	1 x Cinch	2 x Cinch	2.5mm Jack	3.5mm Jack	10-pin Socket	10-pin Socket	
VS-C 20																				-
VS-C 30																				49 mm
VS-C 35							•													43 mm
VS-C 40										•										49 mm
VS-C 45																				49 mm
VS-C 46																		•	•	43 mm
VS-C 50																				49 mm
VS-C 55																				27 mm
VS-C 60																				49 mm
VS-C 70																				49 mm
S-VS-C 75						•														43 mm
S-VS-C 80																				49 mm
S-VS-C 85																				49 mm
VS 120																				-
VS 150																				46 mm
VS 160																				49 mm
VS 170																				49 mm
S-VS 180						•														55 mm
VS 4-8																				-
VS 8000																				46 mm
VS 8100																				46 mm
VS 8150																				46 mm
VS 8250																				46 mm
VS 8300																				46 mm
VS 8320																				37/46 mm
VS 8500																				52 mm
VS 8800																				46 mm
LC 125 C																				37 mm
LC 145 E																				37 mm
LC 175 HE																				46 mm
LC 180 HE																				37 mm
LC 210 C																				49 mm
LC 215 C																				49 mm
LC 225 C																				37 mm
LC 230 E																				46 mm
LC 232 E																				37 mm
LC 235 E																				37 mm
LC 240 E																				37 mm
LC 255 SC																				37 mm
LC 280 HE																				37 mm
LC 285 HE																				52 mm
LC 290 N																				49 mm
LC 295 SN																				49 mm
LC 310 C																				49 mm
LC 320 C																				37 mm
LC 330 E																				37 mm
LC 335 E																				-
LC 345 E																				37 mm
LC 355 SC																				37 mm
LC 360 SC																				43 mm
LC 375 HE																				37 mm
LC 380 HE																				37 mm

Camcorder

Camcorder	Socket		Signal		Hosiden	10-pol AV/S	BNC	1 x Cinch	10-pol AV/S	8-pin Movie	4-pin Jack	10-pol AV/S	8-pin Movie	8-pin Movie	4-pin Jack	4-pin Jack	1 x Cinch	2 x Cinch	2.5mm Jack	2.5mm Jack	5-pin Edit	11-pin Edit	2.5mm Jack	2.5mm Jack	3.5mm Jack	10-pin Socket	10-pin Socket	FilterThread	
	IEEE 1394	Jack	Digital Video	Digital Video																									S-Video
LC 400 C																												37 mm	
LC 410 C																													37 mm
LC 435 E																													37 mm
LC 445 E																													37 mm
LC 450 SC																													37 mm
LC 460 SC																													37 mm
LC 475 HE																													37 mm
LC 485 HE																													37 mm
LC 500 C																													37 mm
LC 535 E																													37 mm
LC 550 SC																													43 mm
LC 560 SC																													43 mm
LC 575 E																													37 mm
LC 600 C																													43 mm
LC 610 C																													43 mm
LC 635 E																													37 mm
LC 645 E																													37 mm
LC 650 SC																													43 mm
LC 675 HE																													37 mm
LC 685 HE																													52 mm
LC 695 SN																										1)	2)		49 mm
LC 700 C																													43 mm
LC 735 E																													37 mm
LC 750 SC																													43 mm
LC 760 SC																											2)		43 mm
LC 775 HE																													37 mm
LC 785 HE																													52 mm
LC 800 C																													43 mm
LC 835 E																													37 mm
LC 875 HE																													37 mm
LC 885 HE																													52 mm
LC 900 C																													43 mm
LC 935 E																													37 mm
LC 975 HE																													37 mm
LC 1000 VC																													43 mm
LC 1150 VC																													43 mm
LC 3000 E																													37 mm
LC 3100 HE																													37 mm
LC 5000 HE																													37 mm
LC-D 80 E																													52 mm
LC-D 100 E																													37 mm
LC-D 200 HE																													37 mm
LC-D 300 HE																													37 mm
LCD 6000 HE																													37 mm
LCD 6100 HE																													37 mm
DLC 1																													30,5 mm
DLC 10																													43 mm
DLC 20																													43 mm
DLC 1000																													43 mm
DLC 1500																													43 mm
DLC 2000																													37 mm

1) Built-in loudspeaker 2) Built-in VITC Generator 3) At connecting box JB1 (included in the delivery)

Camcorder

Camcorder Service Manuals

Camcorder	Part Number	Kind of Manual
LC 125 C	72010 510 8000	Service Manual
LC 145 E	72010 510 8500 72010 508 6500	Service Manual FL-Mechanics
LC 175 HE	72010 510 5500 72010 507 9500	Service Manual U-Mechanics
LC 180 HE	72010 511 1000 72010 508 6500	Service Manual FL-Mechanics
LC 210 C	72010 511 5000	Service Manual
LC 215 C	72010 511 5500	Service Manual
LC 225 C	72010 512 2500	Service Manual
LC 230 E	72010 510 4500 72010 511 1500 72010 507 9500	Service Manual Supplement U-Mechanics
LC 232 E	72010 511 9000 72010 512 1600	Service Manual A-Mechanics
LC 235 E	72010 513 2500 72010 513 2600 72010 512 1600	Service Manual Supplement 1 A-Mechanics
LC 240 E	72010 512 1500 72010 512 1600	Service Manual A-Mechanics
LC 255 SC	72010 511 6000	Service Manual
LC 280 HE	72010 512 2000 72010 508 6500	Service Manual FL-Mechanics
LC 285 HE	72010 512 6000 72010 508 6500	Service Manual FL-Mechanics
LC 290 N	72010 512 3500	Service Manual
LC 295 SN	72010 512 7000	Service Manual
LC 310 C	72010 513 2000	Service Manual
LC 320 C	72010 514 5500	Service Manual
LC 330 E	72010 511 9000 72010 514 3000 72010 512 1600	Service Manual Supplement A-Mechanics
LC 335 E	72010 513 2500 72010 514 7000 72010 512 1600	Service Manual Supplement A-Mechanics
LC 345 E	72010 513 1000 72010 512 1600	Service Manual A-Mechanics
LC 355 SC	72010 514 7500	Service Manual
LC 360 SC	72010 513 1500	Service Manual
LC 375 HE	72010 513 0500 72010 512 1600	Service Manual A-Mechanics
LC 380 HE	72010 512 2000 72010 513 0000 72010 512 1600	Service Manual Supplement A-Mechanics
LC 400 C	72010 515 9000	Service Manual
LC 410 C	72010 515 9000	Service Manual
LC 435 E	72010 516 4500 72010 512 1600	Service Manual A-Mechanics
LC 445 E	72010 516 5500 72010 512 1600	Service Manual A-Mechanics
LC 450 SC	72010 516 9500	Service Manual
LC 460 SC	72010 517 0000	Service Manual
LC 475 HE	72010 516 5500 72010 512 1600	Service Manual A-Mechanics
LC 485 HE	72010 515 9500 72010 512 1600	Service Manual A-Mechanics
LC 500 C	72010 518 7500 72010 519 6000	Service Manual DL-Mechanics
LC 535 E	72010 518 7000 72010 512 1600	Service Manual A-Mechanics
LC 550 SC	72010 519 7000 72010 519 6000	Service Manual DL-Mechanics

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Camcorder	Part Number	Kind of Manual
LC 560 SC	72010 519 6500	Service Manual
	72010 519 6000	DL-Mechanics
LC 575 HE	72010 518 6500	Service Manual
	72010 512 1600	A-Mechanics
LC 600 C	72010 524 2500	Service Manual
	72010 519 6000	DL-Mechanics
LC 610 C	72010 524 4500	Service Manual
	72010 519 6000	DL-Mechanics
LC 635 E	72010 524 3000	Service Manual
	72010 525 0500	B-Mechanics
LC 645 E	72010 524 3500	Service Manual
	72010 525 0500	B-Mechanics
LC 650 SC	72010 525 4500	Service Manual
	72010 519 6000	DL-Mechanics
LC 675 HE	72010 525 5000	Service Manual
	72010 525 0500	B-Mechanics
LC 685 HE	72010 525 5500	Service Manual
	72010 525 0500	B-Mechanics
LC 695 SN	72010 524 4000	Service Manual
LC 700 C	72010 529 5000	Service Manual
	72010 519 6000	DL-Mechanics
LC 735 E	72010 529 4500	Service Manual
	72010 525 0500	B-Mechanics
LC 750 SC	72010 530 9000	Service Manual
	72010 519 6000	DL-Mechanics
LC 760 SC	72010 530 9000	Service Manual
	72010 519 6000	DL-Mechanics
LC 775 HE	72010 529 4000	Service Manual
	72010 525 0500	B-Mechanics
LC 785 HE	72010 525 0500	Service Manual
	72010 529 3500	Supplement
	72010 525 0500	B-Mechanics
LC 800 C	72010 532 1500	Service Manual
	72010 519 6000	DL-Mechanics
LC 835 E	72010 532 1000	Service Manual
	72010 525 0500	B-Mechanics
LC 875 HE	72010 532 1000	Service Manual
	72010 525 0500	B-Mechanics
LC 885 HE	72010 532 0000	Service Manual
	72010 525 0500	B-Mechanics
LC 900 C	72010 530 8000	Service Manual
	72010 519 6000	DL-Mechanics
LC 935 E	72010 535 0000	Service Manual
	72010 525 0500	B-Mechanics
LC 975 HE	72010 535 0500	Service Manual
	72010 525 0500	B-Mechanics
LC 1000 VC	72010 538 4000	Service Manual
	72010 538 2700	CZ-Mechanics
LC 1150 VC	72010 540 8100	Service Manual
	72010 538 2700	CZ-Mechanics
LC 3000 E	72010 538 3000	Service Manual
	72010 525 0500	B-Mechanics
LC 3100 HE	72010 540 7000	Service Manual
	72010 525 0500	B-Mechanics
LC 5000 HE	72010 538 3000	Service Manual
	72010 525 0500	B-Mechanics
LC-D 80 E	72010 517 1500	Service Manual
	72010 512 1600	A-Mechanics
LC-D 100 E	72010 518 6000	Service Manual
	72010 512 1600	A-Mechanics

Observe also the Instructions given in the Safety Service Manual Part No. 72010 800 0000!

Camcorder	Part Number	Kind of Manual
LC-D 200 HE	72010 531 9000	Service Manual
	72010 525 0500	B-Mechanics
LC-D 300 HE	72010 535 1000	Service Manual
	72010 525 0500	B-Mechanics
LCD 6000 HE	72010 538 3000	Service Manual
	72010 525 0500	B-Mechanics
LCD 6100 HE	72010 540 7000	Service Manual
	72010 525 0500	B-Mechanics
DLC 1	1)	–
DLC 10	1)	–
DLC 20	1)	–
DLC 1000	1)	–
DLC 1500	1)	–
DLC 2000	1)	–

1) Central repair

Service Manuals – Camcorder Accessories

Accessories	Part Number	Kind of Manual
LCS 8-4	72010 514 4500	Service Manual
NA 8	72010 507 6500	Service Manual
NA 8-1	72010 507 6600	Service Manual
NA 8-2	72010 510 2500	Service Manual
NA 8-3	72010 512 6500	Service Manual
NA 8-4	72010 512 9500	Service Manual
NA 75	72010 509 3000	Service Manual
NA 75A	72010 510 1000	Service Manual
NA 75B	72010 511 5500	Service Manual
NA 85	72010 514 0000	Service Manual
NA 90	72010 514 6000	Service Manual
NA 95	72010 516 2500	Service Manual
NA 96	72010 517 5000	Service Manual
NA 96C	72010 519 5500	Service Manual
NA 96D	72010 517 5100	Service Manual
NA 97	72010 531 6500	Service Manual
NA 99	72010 534 8100	Service Manual
NA 190A	72010 512 5500	Service Manual
NA 190A	72010 524 9000	Service Manual
NA-L1	72010 517 5500	Service Manual

Contents: Satellite Reception

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To be better readable part numbers are shown with two spaces.

For ordering spare parts please indicate part numbers as **twelve-figure number** without spaces.

Modul Chart

Designation	Part No.	HCM 814	HCM 893	HRM 810	HRM 811	HRM 851	HRM 852	HRM 854	HRM 858 (a)	HRM 861	HRM 864	HRM 883	STC 50	STC 1650	STR 100	STR 100 DX	STR 110	STR 1300	STR 2300	STR 2300 MV	STR 400 AP	STR 511	STR 512	
		Tuner (Terr.)	29504 101 2300	•			•																	
Tuner	29504 101 6300																							
Tuner	29504 201 2400		2)																					
Tuner	29504 201 6100					•	•	•	•	•	•													
Tuner	29504 201 6200																				•			
Tuner	29504 201 7300													•								•		
Tuner	29504 201 7400																						•	
Tuner	29504 201 7700														•									
Tuner	29504 201 8700															•	•							
Tuner	29504 201 8800																							
Tuner	29504 201 9200												•											
Tuner	75990 900 3000																							
Tuner	75990 900 3100																							
Tuner	75990 900 4200																							
Tuner	75954 705 3000																							
Tuner	75954 705 3100																							
Tuner	75954 705 6600																				•	•		
Tuner	75954 705 8100																							
Tuner	75954 705 9900																							
Tuner	75955 023 7200																							
Tuner	81406 016 2500																							
Tuner	81406 016 2800																							
Tuner	81406 016 3500																							
Modulator	29502 017 0500			•																				
Modulator	29502 017 0600							•																
Modulator	29502 017 1200					•																		
Modulator	29502 017 1300				•																			
Modulator	29502 017 5100								1)															
Modulator	29502 017 5200								1)															
Modulator	29502 017 5300									•														
Modulator	29502 017 5500																						•	
Modulator	29502 017 5800																						•	
Modulator	29502 017 6000																							2)
Modulator	29502 017 6200	•																						
Modulator	29502 017 6500		2)																					
Modulator	29502 025 4500																							
Modulator	75954 705 9800																							
Modulator	75955 023 7300																							
Modulator	75990 900 3100																							
Modulator	75990 900 4300																							
Modulator	81406 017 2500																							
Modulator	81406 017 7500																							
PLL-Modulator	29502 025 3100																					•	•	•
PLL-Modulator UHF	29502 025 3600													3)										
PLL-Modulator VHF	29502 025 3700													3)										
PLL-Modulator/UHF/VHF	29502 025 3800																							

- 1) HRM 858: 017 5100, HRM 858a: 017 5200
- 2) 2 for each cassette
- 3) VHF or UHF dependent on the type of the modulator fitted
- 4) mechanically different versions

Designation	Part No.	STR 600	STR 611	STR 6000	STR 6100	STR 6122	STR 622	STR 631	STR 632	STR 641	STR 642	STR 7100	STR 7122 TWIN	STR 8150	VCR SAT1
		Tuner (Terr.)	29504 101 2300												
Tuner	29504 101 6300														
Tuner	29504 201 2400														
Tuner	29504 201 6100														
Tuner	29504 201 6200														
Tuner	29504 201 7300														
Tuner	29504 201 7400														
Tuner	29504 201 7700														
Tuner	29504 201 8700														
Tuner	29504 201 8800	•	•				•								
Tuner	29504 201 9200														
Tuner	75990 900 3000							•							
Tuner	75990 900 3100														
Tuner	75990 900 4200								•						
Tuner	75954 705 3000														
Tuner	75954 705 3100														
Tuner	75954 705 6600											•			
Tuner	75954 705 8100												•		
Tuner	75954 705 9900						•								
Tuner	75955 023 7200			•											
Tuner	81406 016 2500				•										
Tuner	81406 016 2800														•
Tuner	81406 016 3500													•	
Modulator	29502 017 0500														
Modulator	29502 017 0600														
Modulator	29502 017 1200														
Modulator	29502 017 1300														
Modulator	29502 017 5100														
Modulator	29502 017 5200														
Modulator	29502 017 5300														
Modulator	29502 017 5500														
Modulator	29502 017 5800														
Modulator	29502 017 6000														
Modulator	29502 017 6200														
Modulator	29502 017 6500														
Modulator	29502 025 4500	•	•				•								
Modulator	75954 705 9800						•					•	•		
Modulator	75955 023 7300			•											
Modulator	75990 900 3100							•		•					
Modulator	75990 900 4300								•		•				
Modulator	81406 017 2500				•										
Modulator	81406 017 7500													•	
PLL-Modulator	29502 025 3100														
PLL-Modulator UHF	29502 025 3600														
PLL-Modulator VHF	29502 025 3700														
PLL-Modulator/UHF/VHF	29502 025 3800														

- 1) HRM 858: 017 5100, HRM 858a: 017 5200
- 2) 2 for each cassette
- 3) VHF or UHF dependent on the type of the mc
- 4) mechanically different versions

SAT

Retrofitting Options for Grundig Satellite Head Stations

Adapter Cable from 15-pin Sub-Min-D to Euro-AV.

Order no.: GAW 3000

DNS Universal Decoder retrofitting set

Order no.: GAG 1300 to connect external sets (e.g. Decoder (Descrambler), Video recorder, Video camera).
Suitable for coupling in and out video and audio signals.

Cassettes for Extension of the STC 1880 Head Stations (GAF 5859)

HAC 1880 - analogue unit (without modulators)

Order no.: GAF 5900 4 times SAT analogue converter, must only be fitted with analogous VHF and/or UHF modulators

HAM 1833 - analogue VHF modulator

Order no.: GAF 6000 output channels adjustable from S3 to S24 inclusively
C5 to C12

HAM 1835 - analoger UHF modulator

Order no.: GAF 6100 output channels adjustable from C21 to C69

HDC 1880 - digital unit (without modulators)

Order no.: GAF 6200 4 times SAT digital converter, must only be fitted with digital VHF and/or UHF modulators

HDM 1814 - digital VHF modulator

Order no.: GAF 6300 output channels adjustable from S21 to S41

HDM 1815 - digital UHF modulator

Order no.: GAF 6400 output channels adjustable from C21 to C69

DNS Universal Decoder retrofitting set

Order no.: GAG 1300 to connect external sets (e.g. Decoder (Descrambler), Video recorder, Video camera).
Suitable for coupling in and out video and audio signals.

HTM 300 - Amplifier module for terrestrial TV programmes

Order no.: GAG 1200 to convert terrestrial TV programmes (selektive) and terrestrial UKW radio programmes (wide band).

HTM Installation Set - for the terrestrial amplifier module

Order no.: GAG 1400

Cassettes Overview for Head Stations

Type of Cassette	Input Range	Output Range	Channel pattern, Standard	mechanical not com- patible to STC316/332	STC800, CT800 STC850, STC2400	STC 880, STC 80 CT 880	BE-120	min. software index of operating part			STC 1880	Order No.
								BE-332 / BE-PLUS	BE-REMOTE			
SAT-TV Cassettes												
HRM 1231 (TWIN)	950 - 2150 MHz	C2-C4 S3-S24 C5-C12	CCIR			27	03	10	17			GAE8300
HRM 1233 (TWIN)	950 - 2150 MHz	S3-S24 C5-C12	CCIR			27	03	10	17			GAE9700
HRM 1234 (TWIN)	950 - 2150 MHz	S21-S41	CCIR			27	03	10	17			GAE8400
HRM 1235 (TWIN)	950 - 2150 MHz	C21-C69	CCIR			27	03	10	17			GAE9800
HRM 331 (TWIN)	950 - 2150 MHz	C2-C4 S3-S24 C5-C12	CCIR			27	03	10	17	4		GAE8300
HRM 333 A (TWIN)	950 - 2150 MHz	S3-S24 C5-C12	CCIR			27	03	10	17	4		GAE9700
HRM 334 (TWIN)	950 - 2150 MHz	S21-S41	CCIR			27	03	10	17	4		GAE8400
HRM 335 A (TWIN)	950 - 2150 MHz	C21-C69	CCIR			27	03	10	17	4		GAE9800
HRM 341 (TWIN)	950 - 2150 MHz	R1-R5 D1-D5 s2-s21 R6-R12	OIRT			27	04	11		4		GAF0100
HRM 343 (TWIN)	950 - 2150 MHz	s2-s21 R6-R12	OIRT			27	04	11	17	4		GAF0200
HRM 345 (TWIN)	950 - 2150 MHz	C21-C69	OIRT			27	04	11	17	4		GAF0300
HRM 800	950 - 1750 MHz	C5-C12 S8-S20	CCIR	x	01	01	01	10	17			GAV70
HRM 801	950 - 1750 MHz	C2-C4	CCIR	x	01	01	01	10	17			GAV9200
HRM 802	950 - 1750 MHz	C21-C40	CCIR	x	01	01	01	10	17			GAV9300
HRM 851	950 - 2050 MHz	C2-C4	CCIR	x	19	19	01	10	17			GAX9600
HRM 852	950 - 2050 MHz	C21-C40	CCIR	x	19	19	01	10	17			GAX9700
HRM 853	950 - 2050 MHz	C21-C40	Secam L	x	19	19	01	10	17			GAX8800
HRM 854	950 - 2050 MHz	S21-S41	CCIR	x	21	21	01	10	17			GAY4100
HRM 855	950 - 2050 MHz	R6-R12 s4-s17 D6-D12 Z6-Z16	OIRT China	x	19	19	01	10	17			GAX9800
HRM 857	950 - 2050 MHz	C21-C40 D13-D27	OIRT China	x	01	01	01	10	17			GAY0100

the most relevant cassettes are marked grey

SAT

Type of Cassette	Input Range	Output Range	Channel pattern, Standard	mechanical not com- patible to STC316/332	min. software index of operating part							Order No.
					STC800, CT800 STC850, STC2400	STC 880, STC 80 CT 880	BE-120	BE-332 / BE-PLUS	BE-REMOTE	STC 1880		
HRM 858	950 - 2050 MHz	C5-C12 S8-S20	CCIR	x	19	19	01	10	17		GAX7300	
HRM 858A	950 - 2050 MHz	C5-C12 S4-S20	CCIR	x	21	21	01	10	17		GAY4200	
HRM 859	950 - 2050 MHz	R1 - R5 D1 - D5	OIRT China	x	19	19	01	10	17		GAY0200	
HRM 863	950 - 2050 MHz	C41 - C57	Secam L	x	19	19	01	10	17		GAY9900	
HRM 861	950 - 2050 MHz	C2-C4	CCIR	x	19	19	01	10	17		GAZ2300	
HRM 864	950 - 2050 MHz	C21-C40	CCIR	x	19	19	01	10	17		GAZ2200	
HRM 866	950 - 2050 MHz	C41-C57	CCIR	x	19	19	01	10	17		GAD9700	
HRM 883 (TWIN)	950 - 2050 MHz (2150 MHz)	C5-C12 S3-S30	CCIR	x		22	01	10	17		GAY8000	
HRM 883-2 (TWIN)	950 - 2150 MHz Twin mit 2*Decoder	C5-C12 S3-S30	CCIR	x		22	01	10	17		GAC3000	
HRM 885 (TWIN)	950 - 2050 MHz (2150 MHz)	R6-R12 s2-s27 Z2-Z26 D6-D12	OIRT China	x		22	01	10	17		GAC6700	
Terrestrial Cassettes												
HTM 300	9xUHF, 2xVHF, 1xUKW	selektiv				25	01	10	17	4	GAG1200	
HRM 391 (TWIN)	C2-C69	C2-C4 S3-S24 C5-C12	CCIR			29	06	10	17	4	GAF2400	
HRM 393 (TWIN)	C2-C69	S3-S24 C5-C12	CCIR			27	04	10	17	4	GAF2500	
HRM 394 (TWIN)	C2-C69	S21- S41	CCIR			28	05	10	17	4	GAF2100	
HRM 395 (TWIN)	C2-C69	C21-C69	CCIR			27	04	10	17	4	GAE8500	
HRM 381	C2-C69	R1-R5 D1-D5 s2-s21 R6-R12	OIRT			29	06	11	17	4	GAF2600	
HRM 383	C2-C69	s2-s21 R6-R12	OIRT			27	04	11	17	4	GAF2700	

the most relevant cassettes are marked grey

Type of Cassette	Input Range	Output Range	Channel pattern, Standard	mechanical not com- patible to STC316/332	STC800, CT800 STC850, STC2400	STC 880, STC 80 CT 880	BE-120	BE-332 / BE-PLUS	BE-REMOTE	STC 1880	Order No.
HRM 385	C2-C69	C21-C69	OIRT			27	04	11	17	4	GAF2000
HRM 810	C2 - C12 C21 - C69	C5-C12 S8-S20	CCIR	x	01	01	01	10	17		GAV9500
HRM 811	C2 - C12 C21 - C69	C2-C4	CCIR	x	01	01	01	10	17		GAW1700
HRM 815	R1 - R12 C21 - C69 Z1-Z16 D1 - D57	R6-R12 s4-s17 Z6-Z16 D6-D12	OIRT China	x	08	08	01	10	17		GAX1800
HCM 814	C2 - C12 C21 - C69	C21-C40	CCIR	x	01	01	01	10	17		GAC1200
HCM 893 (TWIN)	48,25-855,25 MHz C2 - C69 S2 - S41	C5-C12 S3-S30	CCIR	x		22	01	10	17		GAD0800
HCM 895	R1 - R12 C21 - C69 s 1 - s38 Z1-Z38 D1 - D57	R6-R12 s2-s21 D6-D12 Z2-Z26	OIRT China	x		22	01	10	17		GAD0700
UKW Cassettes											
HRM 325 FM	87,5-108 MHz	87,5-108 MHz	UKW			27	01	10	17		GAE6300
HRM 326/4FM	87,5-108 MHz	Selektive	UKW			27	01	10	17		GAE6400
HRM 324/2 ADR-FM	950 - 2150 MHz	87,5-108 MHz	UKW			27	01	14	17		GAF4700
HRM 322 ADR-FM	950 - 2150 MHz, NF	87,5-108 MHz	UKW			27	01	10	17		GAG7700
HRM 824/2 ADR-FM	950 - 2150 MHz	87,5-108 MHz	UKW	x	25	25	01	10	17		GAE1600
HRM 825	87,5 - 108 MHz	87,5-108 MHz	UKW	x	01	01	01	10	17	4	GAW8800
HCM 826/4	87,5 - 108 MHz	87,5-108 MHz	UKW	x	24	24	01	10	17		GAC9000
AV Converter Cassettes											
HRC 310 AV	3 x Video + Audio	je nach Modulator						16	17		GAG4800
HRM 831 AV	Video + Audio	C2-C4	CCIR	x	05	05	01	10	17		GAZ9600
HRM 834 AV	Video + Audio	C21-C40	CCIR	x	01	01	01	10	17		GAC1100
HRM 836 AV	Video + Audio	S21-S41	CCIR	x	21	21	01	10	17		GAD9200

the most relevant cassettes are marked grey

Type of Cassette	Input Range	Output Range	Channel pattern, Standard	mechanical not com- patible to STC316/332	STC800, CT800 STC850, STC2400	STC 880, STC 80 CT 880	BE-120	BE-332 / BE-PLUS	BE-REMOTE	STC 1880	Order No.
Digital Converter Cassettes											
HDM 100 P	950 - 2150 MHz	PAL C5-C12 S3-S30	CCIR	x	25	25	01	10	17		GAD3600
HDM 100 C	950 - 2150 MHz	QAM S21 - S41	QAM	x	25	25	01	10	17		GAD3700
HDM 303 P	950 - 2150 MHz	PAL S3-S30 C5-C12	CCIR			25	01	10	17		GAE6500
HDM 303 PA	950 - 2150 MHz	PAL S3-S24 C5-C12	CCIR			27	04	10	17		GAF8200
HDM 305 P	950 - 2150 MHz	PAL C21-C69	CCIR			27	03	10	17		GAE8600
HDM 353 P	950 - 2150 MHz	PAL s2-s21 R6-R12	OIRT			27	03	10	17		GAE6600
HDM 355 P	950 - 2150 MHz	PAL C21-C69	OIRT			27	03	10	17		GAE9900
HDM 363 P-CI	950 - 2150 MHz	PAL S3-S24 C5-C12	CCIR			25	01	10	17	4	GAG3300
HDM 365 P-CI	950 - 2150 MHz	PAL C21-C69	CCIR			25	01	10	17	4	GAG3400
HDM 314 C	950 - 2150 MHz	QAM S21-S41	QAM			25	01	10	17	4	GAE6700
HDM 315 C	950 - 2150 MHz	QAM C21-C69	QAM			25	04	10	17	4	GAF7400
HDM 374 C (TWIN)	950 - 2150 MHz	QAM S21-S41	QAM					11	17	4	GAF7200
HDM 375 C (TWIN)	950 - 2150 MHz	QAM C21-C69	QAM					12	17	4	GAF7300

the most relevant cassettes are marked grey

Operating Parts of Head Stations (Overview)

Operating Part	Head Station	LED	Sockets Front	Controller	Software Update	EEPROM
BE 8xx	Serie 800 Serie 880	-	SERVICE 4-pin	Motorola MC68HC705B32B 32K - OTP	Change of controller	Intern
BE 120	STC 1200	red	SERVICE 4-pin	Motorola MC68HC705B32B 32K - OTP	Change of controller	Intern
BE 332	STC 332	green	SERVICE 4-pin	Siemens C163 128K - Flash	PC + PMS 1*	Extern
BE-PLUS	STC 1200 STC 332 STC 316	green	SERVICE 4-pin + RS 232 9-pin	Siemens C163 128K - Flash	PC (RS 232)	Extern with socket
BE-REMOTE	STC 1200 STC 332 STC 316	yellow	RS 232 9-pin	Mitsubishi M306N0FGTFP 256K - Flash	PC (RS 232)	Extern with socket

*PMS1 = Programmier Manager SAT 1 (sold out)

the most relevant operating parts are marked grey



GRUNDIG Tele-Pilot® Remote Control Handsets / Overview

Satellite product range



rc sat
29622 046 1700



TP 720 SAT
29642 059 1800



TP 820 SAT
29642 061 0300



SRC5
75990 900 0800



TP 805 SAT
75990 900 0600



TP 716 SAT
23800 001 0100



TP 715 SAT
75990 900 5800



SAT Control 1
72011 620 0000

SAT

Special Functions of Satellite Receivers (Options)

SAT Receiver	Option	Sequence of Operations
STR 311/312 STR 511/512	Changing the remote control level	Depress and hold the "P/F" button down while switching on with the mains button. The currently active level will be indicated. When keeping the "P/F" button pressed the SAT receiver switches over to level 2. The necessary conversion of the "rc sat" remote control is described in the Service Information bulletins TV 21/93 and. 22/95. With the remote control TP 720 SAT, level 2 can be activated by pressing the desired function key and the "AUX" button simultaneously.
STR 311 STR 312	Changing the oscillator frequency (9.75/10.0 GHz) Only with certain µP: STR 311 - ZC 88657 STR 312 - ZC 88659	Depress and hold the "V/H" button down while switching on with the mains button. The currently set frequency will be indicated. Change the setting with the "<" ">" buttons and store it by pressing the "M" button.
STR 312 STR 322 STR 512	Changing the OSD position	Depress and hold the remote control button "i" down while switching on with the mains button. With the ◀ ▶ buttons on the remote control it is possible to change the horizontal position. Confirm the setting with the "OK" button and leave the Service Menu with "i".
STC 316 STC 332 STC 800 STC 850 STC 880 STC 1200 STC 2400 CT 800	Display test and indication of the software version	Depress the buttons "+" and "Mode" simultaneously and hold them down. First, the display becomes dark (all pixels are driven). After approx. 5s - as long as these buttons are pressed - a number will be displayed. The last two figures of this number indicate the software version.
STR 310 STR 320 STR 325 STR 410 STR 420 STR 501 STR 502	Loading the emergency data set (the oscillator frequency is set to 9.75 GHz and the programme positions with predetermined ASTRA reception frequencies are loaded)	Menu guide: "i", "i", "4 Installation", "5" (not indicated as a menu option), enter the number "2208" for "Code". The emergency data set is being loaded.
STR 631 STR 632 STR 641 STR 642	Loading the emergency data set (the oscillator frequency is set to 9.75 GHz and the programme positions with predetermined ASTRA reception frequencies are loaded)	Menu guide: "i", "i", "2 Installation", "5" (not indicated as a menu option), enter the number "2846" for "Code". The emergency data set is being loaded.

Service Manuals sorted by Satellite Receivers

Satellite Receiver	Part No.	Kind of Manual
BE-PLUS	72010 030 6000	Service Manual
BE-REMOTE	72010 030 6000 72010 030 6100	Service Manual Supplement 1
SNR 105 microSAT	72010 020 9000 72010 020 9100	Service Manual Supplement 1
STC 1200	72010 023 3000	Service Manual.
STC 1650	72010 018 0000	Service Manual
STC 1880	72010 030 2000	Service Manual
STC 316	72010 041 2000	Service Manual
STC 332	72010 023 7000	Service Manual
STC 50	72010 030 3000	Service Manual
STC 80	72010 018 6000 72010 018 6100	Service Manual Supplement 1
STE 1000	72010 019 0000	Service Manual
STR 100 DX	72010 021 0000	Service Manual
STR 100 FR MicroSAT	72010 019 2000	Service Manual
STR 100 MicroSAT	72010 018 2000	Service Manual
STR 1300	72010 029 6000	Service Manual
STR 1300 FR	72010 029 9000	Service Manual
STR 2300	72010 025 1000 72010 025 1100	Service Manual Supplement 1
STR 2300 FR	72010 027 4000	Service Manual
STR 2300 MV	72010 025 1000 72010 025 1100	Service Manual Supplement 1
STR 511 FR	72010 018 1000	Service Manual
STR 512	72010 016 7000	Service Manual
STR 512 FR	72010 018 1000	Service Manual
STR 535 N MAC	72010 018 0000	Service Manual
STR 600 AP	72010 021 2000	Service Manual
STR 600 AP	72010 021 2000	Service Manual
STR 600 AP / F / E / P	72010 021 2000 72010 021 2100	Service Manual Supplement 1
STR 6000	72010 029 7000	Service Manual
STR 6000 FR	72010 030 4000	Service Manual
STR 6100	72010 029 8000	Service Manual
STR 6100 FR	72010 030 1000	Service Manual
STR 611	72010 021 3000 72010 021 3100	Service Manual Supplement 1
STR 6122 TWIN	72010 023 4000	Service Manual
STR 622 TWIN	72010 021 3000	Service Manual
STR 631	72010 020 3000	Service Manual
STR 631	72010 020 3000	Service Manual
STR 631 FR	72010 020 4000	Service Manual
STR 632	72010 020 3000	Service Manual
STR 632	72010 020 3000	Service Manual
STR 632 FR	72010 020 4000	Service Manual

Satellite Receiver	Part No.	Kind of Manual
STR 641 + FR	72010 020 3000 72010 020 3100	Service Manual Supplement 1
STR 642 + FR	72010 020 3000 72010 020 3100	Service Manual Supplement 1
STR 7100	72010 023 9000 72010 023 9100	Service Manual Supplement 1
STR 7100 FR	72010 027 5000	Service Manual
STR 7122 TWIN	72010 025 2000 72010 025 2100	Service Manual Supplement 1
STR 8150	72010 042 0000	Service Manual
VCR SAT1	72010 537 5500	Service Manual

Partners help each other

Please help us find hidden faults and return all modules with a brief description of the fault.

For this purpose, a fault tag or adhesive label is enclosed with all modules (insert cards) delivered by the GRUNDIG service organisation.

FÜR IHR RÜCKABETEIL
FOR RETURNING FAULTY
MODULES
ALLEGARE AL PEZZO CHE
VIENE RIMANDATO INDIETRO
POUR RETOURNER AVEC LE
MODULE DEFECTUEUX
PARA DEVOLUCIÓN DE
MÓDULOS AVERIADOS

Fehleranhänger für Module / Label tag for modules
Cartellino dei difetti per i moduli / Fiche suivieuse pour module
Etiqueta de avería para módulos

- Fehler tritt sofort auf / Fault occurs immediately / Il difetto compare subito
Le défaut apparaît immédiatement / La avería aparece inmediatamente
- Fehler tritt nur zeitweise auf / Fault occurs intermittently / Il difetto compare solo a periodi / Le défaut est intermittent / La avería aparece intermitentemente
- Fehler tritt nach ca. Minuten auf
Fault occurs after approx. minutes
Il difetto compare dopo ca. minuti
Le défaut apparaît après environ minutes de fonctionnement
La avería aparece tras minutos
- Wackelkontakt / intermittent contact / Contatto difettoso
Mauvais contact intermittent / contacto intermitente
- Sonstige Fehlererscheinungen: / Other faults: / Altri difetti:
Autres défauts: / Otras averías: _____
- _____
- _____

Bitte unterstützen Sie uns beim Auffinden versteckter Fehler: Versehen Sie alle Modul-Rückläufer mit vollständig ausgefüllten Fehleranhängern!
Please help us to trace obscure faults: Ensure all modules are returned with label tag completed!

**Collaborate con noi nella ricerca deidifetti:
corredate ogni modulo che rimandate indietro dei cartellino dei difetti compilato in tutti i suoi punti!**

Afin de nous permettre d'améliorer la Qualité de notre service, nous vous prions de nous renvoyer avec votre module, cette étiquette dûment renseignée. Merci pour votre collaboration.

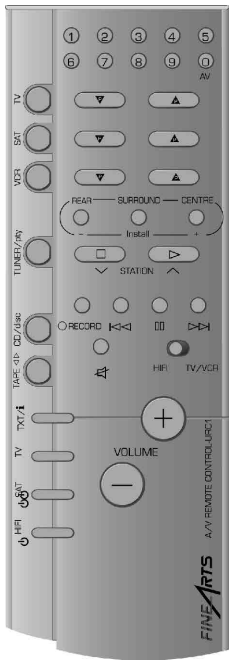
Ayúdenos a encontrar las averías ocultas: procuren que cada módulo devuelto vaya con su etiqueta de avería para módulos debidamente relienda!

Contents: Audio

GRUNDIG Tele-Pilot® Remote Control Handsets / Overview6.2
 Service Manuals from 1995 on: Audio/HiFi6.6
 Service Manuals: CarAudio6.7
 Anti-theft Systems for Grundig Car Radios.....6.8
 Anti-theft Coding of Car Radios6.9

To be better readable part numbers are shown with two spaces.
 For ordering spare parts please indicate part numbers as **twelve-figure number** without spaces.

GRUNDIG Tele-Pilot® Remote Control Handsets / Overview Audio / HiFi Product Range



M100
59802 624 0100
59802 624 5100



RC CDM 700
75954 062 9300



RC M7/17/27 C
RC M18/28/38 C
75954 049 3600



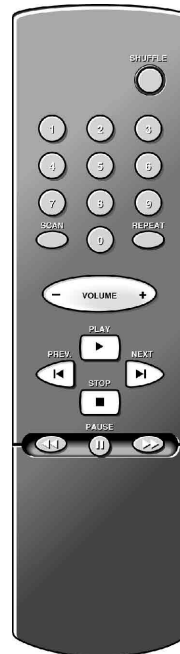
RC M 37 DC
RC M48 DC
75954 050 4100



RC KM12/13
75954 062 5700



RC CD22
75954 069 1100



RC CD23
75954 069 1800



URC 20
75954 068 5600

Audio/HiFi



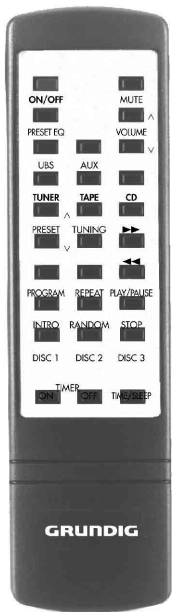
UMS11/12
75954 505 0100



RC PA 5
59802 630 0100



RC M 49
75955 006 3000



M14
75955 004 0100



M19/29
75955 002 9100

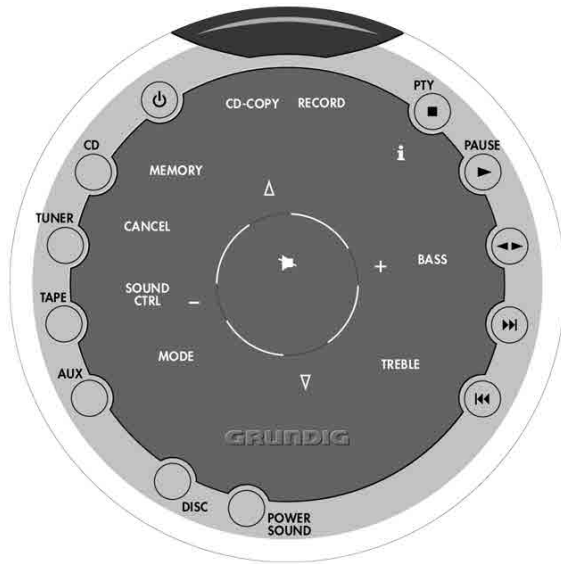


RR 660 CD
75955 005 0100



RR 760 CD
75955 005 5000

Audio/HiFi



RC PA 6
59802 620 5000



Personal Remote 20
72011 713 0200



RC RR 770 CD
75955 026 7000



RC CDM 800
75955 036 3800
RC CDM 900
75955 038 3000



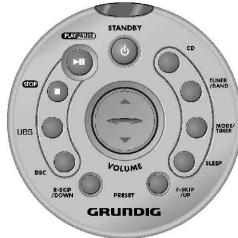
RC UMS 100
75955 032 0100



UMS 200
75955 032 5000



CDM 800
75955 036 3800



CDM 900
75955 038 3000



MASQ RRCD 9100 PLL
75955 049 9000



MS 4101
75955 044 9800



UMS 4101
75955 051 0100



UMS 4100
75955 050 0100

Audio/HiFi Service Manuals sorted by sets

Set	Service Manual
APOLLO 2000	72010 760 7500
CCF 23	72010 755 6500
CD 21	72010 755 5500
CD 22	72010 755 5500
CD 23	72010 756 3500
CDM 700	72010 755 7000
CDM 800	72010 771 4500
CDM 900	72010 771 5500
CDP 76	72010 755 1000
CDP 210	72010 755 1500
CDP 310	72010 757 8500
CDP-S 150	72010 752 7000
CDP-S 250	72010 757 1000
CF 21	72010 755 6000
K-CDP 66	72010 755 0500
K-RCD 120	72010 756 5000
KM 12	72010 754 3000
KM 13	72010 757 1500
M 7-C	72010 752 2500
M 14	72010 759 4500
M 17-C	72010 752 2500
M 18-C	72010 755 8500
M 19-C	72010 759 1500
M 27-C	72010 752 2500
M 28-C	72010 755 8500
M 29-C	72010 759 1500
M 37-DC	72010 753 2500
M 38-C	72010 755 8500
M 48-DC	72010 755 8500
M 49-DC	72010 759 4000
M 100 A	72010 749 7500
M 100 ADPL	72010 750 6500
M 100 CDC	72010 750 7000
M 100 CF	72010 749 8500
M 100 R	72010 749 7500
M 100 T	72010 750 6000
M 100-CD MKII	72010 754 3500
MASQ RRCD 9100 PLL	72010 771 9500
MS 4101	72010 771 7000
MPaxx MP100	72010 761 0000
MPaxx MP150	72010 771 0500
MPaxx SP 4101	72010 771 9000
MPaxx SP 9100 PLL	72010 771 9000
MYSTIXX CDP 9100 SPCD	72010 772 0500
NOCTUS SC 9100 DCF RDS	72010 771 8500

Set	Service Manual
PA 5 - TurNiT	72010 758 0500
PA 6	72010 760 7000
R 21	72010 755 9000
R 22 DPL	72010 755 9000
R 23 DPL	72010 757 2000
RBX-1	72010 752 2000
RCD 2000	72010 760 6000
RCD 405	72010 752 3000
RR 300 CD	72010 760 5000
RR 420 CD	72010 752 4000
RR 430 CD	72010 760 0000
RR 440 CD	72010 771 1500
RR 630 CD	72010 759 3000
RR 640 CD	72010 771 0000
RR 660 CD	72010 759 3000
RR 670 CD	72010 771 0000
RR 720 CD	72010 759 3500
RR 740 CD	72010 771 1000
RR 760 CD	72010 759 3500
RR 770 CD	72010 771 1000
SC 900	72010 754 4500
SC 910	72010 754 4000
ST 16 (ADR)	72010 752 1000
T 22	72010 755 4000
TurNiT - PA5	72010 758 0500
UMS 11	72010 757 2500
UMS 12	72010 757 2500
UMS 12-S	72010 757 2500
UMS 15	72010 760 8500
UMS 25	72010 760 9500
UMS 100	72010 771 6000
UMS 200	72010 771 7500
UMS 4100	72010 771 8000
UMS 4101	72010 771 8000
UMS 5100	72010 772 0000
V 14 DPL-RF	72010 752 1500
V 21	72010 755 4500
V 23	72010 755 5000
Yacht Boy-P2000	72010 757 0000

Observe also the instructions given in the "Safety" Service Manual Part No. 72010 800 0000!

Car Audio Service Manuals sorted by sets

Set	Service Manual
Advance CC	72010 760 4000
Advance CD	72010 760 4500
BOOSTER PA 120	72010 731 9500
BOOSTER PA 240	72010 732 0000
EC 4000 RDS	72010 748 5000
EC 4200 RDS	72010 759 2000
EC 4290 CD	72010 750 5500
EC 4490 CD	72010 759 2500
EC 4600 RDS	72010 752 7500
EC 4700 RDS	72010 760 1500
EC 4790 CD	72010 760 2000
EC 4890 CD	72010 771 2000
EC 7400 RDS	72010 739 5000
EC 7500 RDS	72010 739 5000
MCD 20	72010 733 6000
MCD 30	72010 737 2500
MCD 36	72010 748 3000
MCD 40	72010 748 3000
MCD 46	72010 771 2500
MCD 50	72010 771 3000
SCC 3400 RDS	72010 771 4000
SCC 3460 RDS	72010 771 4000
SCD 1590 VD	72010 739 1000
SCD 1910 RDS	72010 733 2000
SCD 3390 RDS	72010 757 8000
SCD 3490 RDS	72010 771 4000
SCD 3590	72010 739 1000
SCD 5290 RDS	72010 749 3500
SCD 5390 RDS	72010 749 4500
SCD 5690 RDS	72010 749 4500
WKC 1630	72010 744 9500
WKC 1650 VD	72010 736 1000
WKC 1670 VD	72010 738 7000
WKC 1700 VD	72010 791 8500
WKC 1701 VD	72010 791 8500
WKC 1903 RDS	72010 731 0500
WKC 1904 RDS	72010 736 0500
WKC 2201 RDS	72010 758 6000
WKC 3200	72010 752 4500
WKC 3201	72010 752 4500
WKC 3300	72010 752 4500
WKC 3301	72010 752 4500
WKC 3600	72010 749 1500
WKC 3630	72010 744 9500
WKC 3650	72010 736 1000

Set	Service Manual
WKC 3700	72010 730 6000
WKC 3700 R	72010 730 6000
WKC 3701	72010 740 2000
WKC 3701 R	72010 730 6500
WKC 3904 RDS	72010 731 8000
WKC 3905 RDS	72010 731 8500
WKC 5100	72010 746 3500
WKC 5101	72010 746 3500
WKC 5200	72010 746 3500
WKC 5201	72010 746 3500
WKC 5300	72010 746 3000
WKC 5600	72010 746 3000
WKC 6400 RDS	72010 740 0000
WKC 6500 RDS	72010 740 0000

Observe also the instructions given in the "Safety" Service Manual Part No. 72010 800 0000!

Anti-theft Systems for Grundig Car Radios

Car Radio WKC/ SCD/EC..	Optional Code Number 1)	Specific Code Number 2)	Removable Control Panel	Quick-out Unit 3)
1590 VD		●		●
1630 VD		●	●	
1650 VD		●	●	
1670 VD		●	●	
1903 RDS		●	●	
1904 RDS		●	●	
1905 RDS		●	●	
1910 RDS		●	●	
2201 RDS		●	●	
2301 RDS		●	●	
2632 VD				●
2642 VD				●
2670 VD		●	●	
2680 VD		●	●	
2803 VD/A		●		RS
2804 VD		●		RS
2805 VD		●		RS
2841 VD	●	from 845501 on	●	
2842 VD		●	●	
2845 VD	●			
3200 RDS		●	●	
3201 RDS		●	●	
3300 RDS		●	●	
3301 RDS		●	●	
3390 RDS		●	●	
SCC 3400 RDS		●	●	
SCC 3460 RDS		●	●	
SCD 3490 RDS		●	●	
3851 RDS		●	●	

Car Radio WKC/ SCD/EC..	Optional Code Number 1)	Specific Code Number 2)	Removable Control Panel	Quick-out Unit 3)
3860 VD/aVD	●	●		
3904 RDS		●	●	
3905 RDS		●	●	
EC 4000 RDS		●	●	
EC 4200 RDS		●	●	
EC 4290 RDS		●	●	
EC 4490 RDS		●	●	
EC 4600 RDS		●	●	
EC 4700 RDS		●	●	
EC 4790 CD		●	●	
EC 4890 CD		●	●	
4804 VD		●	●	RS
4805 VD		●	●	RS
5100 RDS		●	●	
5101 RDS		●	●	
5200 RDS		●	●	
5201 RDS		●	●	
5290 RDS		●	●	
5300 RDS		●	●	
5390 RDS		●	●	
5500 RDS/A/C		●	●	
5600 RDS		●	●	
5690 RDS		●	●	
6400 RDS		●	●	
6500 RDS		●	●	
7400 RDS		●	●	
7500 RDS		●	●	
Advance CC		●	●	
Advance CD		●	●	

1) It is possible to enter any code number as 4 figures.

2) The car radios are given a 4-place code number at the factory which cannot be changed.

3) Quick-out plug-in unit. RS plug-in unit, order number G.IB 0297

You can withdraw the car radio easily from the compartment by a handle and take it along with you.

Anti-theft Coding of Car Radios

for types WKC/SCD/EC...

1630, 1650, 1670, 1703, 1704, 1705, 1903, 1910, 2670, 2680, 2803, 2804, 3851, 3870, 3880, 3904, 3905, 4804, 4870, 4871, 5000, 5500, 6400, 6500, 7400, 7500

The following is a description of the coding and decoding methods for the different car radios.

Activating the coding

Radio is playing: Depress button **A** (see table) for more than 3 seconds -> "CODE" appears in the display. After 3 seconds the display shows **B** (see table). Enter the code number: The code number is entered by repeatedly pressing the station buttons 1-4 (station button 1 for figure 1, station button 2 for figure 2 and so on); a wrong code number can be corrected by overwriting, i.e. by entering a new code number. Confirm the code number: Depress button **C** (see table) for more than 3 seconds -> "SAFE" appears in the display.

Is the coding activated?

Radio is playing: Depress button **D** (see table) for more than 3 seconds; the coding is activated when "SAFE" appears in the display. After about 3 seconds, **E** (see table) appears in the display. Switch the radio off/on - radio starts playing; the coding is not activated when "CODE" appears in the display. After about 3 seconds, the display shows **F** (see table). Switch the radio off/on - radio starts playing.

Putting into operation again

On disconnection from the supply voltage the radio is electronically locked. Reconnect the radio correctly to the supply voltage. Switch the radio on. "SAFE" appears in the display. After about 3 seconds, the display shows **G** (see table). Enter the code number. Confirm the code number: Depress button **H** (see table) for more than 3 seconds -> "SAFE" appears in the display. After about 3 seconds the radio starts playing.

Types WKC/SCD/EC . .	4870, 5500, 5000, 3851, 3870, 3880, 4871, 6400, 6500	1630, 1650, 1670, 2803, 2804, 2670, 2680, 4804	1903, 3904, 3905	1910, 7400, 7500	1703, 1704, 1705
A	FM	U	U	U	FM
B	-----	1 ----	1 ----	-----	-----
C	FM	U	U	U	FM
D	FM	U 1)	U	U	FM
E	1 -----	1 1 --	1 ----	1 -----	-----
F	-----	1 ----	1 ----	-----	-----
G	1 -----	1 1 --	1 ----	1 -----	-----
H	FM	U	U	U	FM
I	FM	U	U	U	FM
K	1 -----	1 1 --	1 ----	1 -----	-----
L	FM	U	U	U	FM

The entered code number is wrong: -> "SAFE" appears in the display. The figure on the left of the code number indicates the number of attempts counted. Between the attempts 1-7 the waiting time increases to 24 hours. After the 7th attempt there is always a waiting time of 24 hours until a new code can be entered.

Deactivating the coding

Radio is playing: Depress button **I** (see table) for more than 3 seconds -> "SAFE" appears in the display. After about 3 seconds the display shows **K** (see table). Enter the code number. Confirm the code number: Press button **L** (see table) for more than 3 seconds. After about 3 seconds the radio starts playing.

The entered code number is wrong: -> "SAFE" appears in the display. The figure on the left of the code number indicates the number of attempts counted. Between the attempts 1-7 the waiting time increases to 24 hours. After the 7th attempt there is always a waiting time of 24 hours until a new code can be entered.

1) The coding is activated when "SAFE" flashes in the display with the car radio switched off.

for types WKC/SCD/EC...

5100, 5101, 5200, 5201, 5290, 5300, 5390, 5600, 5690

The following is a description of the coding and decoding methods for the different car radios.

Activating the coding

Radio is playing: Depress button **EXPERT** for more than 1 second, with the rotary knob, select "CODE" in the display. Press button **EXPERT** shortly -> display shows E -- -- -- --;

Enter the code number: The code is entered by repeatedly pressing the station buttons 1-4 (station button 1 for figure 1, station button 2 for figure 2 and so on).

A wrong code number can be corrected by overwriting, i.e. entering a new code number.

Confirm the code number: Press the **EXPERT** button shortly -> display shows "SAFE"

Leave the Expert mode: Press **EXPERT** for more than 1 second.

Is the coding activated?

Radio is playing: Press the **EXPERT** button for more than 1 second.

The coding is activated when "SAFE" is indicated in the display.

The coding is not activated when "CODE" is shown in the display.

Leave the Expert mode: Press **EXPERT** for more than 1 second.

Putting into operation again

On disconnection from the supply voltage the radio is electronically locked. Reconnect the radio correctly to the supply voltage.

Switch the radio on -> the display shows "SAFE". After about 3 seconds the display shows 1-- -- -- --.

The figure on the left of the code number indicates the number of attempts counted. Between the attempts 1-7 the waiting time increases to 24 hours. After the 7th attempt there is always a waiting time of 24 hours until a new code can be entered.

Enter the code number.

Confirm the code number: Press the **EXPERT** button shortly; "SAFE" appears in the display. After about 3 seconds the radio starts playing.

The entered code number is wrong -> "SAFE" appears in the display.

Deactivating the coding

The radio is playing: Press the **EXPERT** button for more than 1 second, with the rotary knob select "SAFE" in the display.

Press the **EXPERT** button shortly -> the display shows 1-- -- -- --

Enter the code number.

Confirm the code number: Press the **EXPERT** button shortly -> "CODE" is indicated in the display.

The entered code number is wrong -> "SAFE" is shown in the display

Press **EXPERT** for more than 1 second.

**for types WKC/SCD/EC...
4000, 4200, 4290, 4490, 4600, 4790, 4890**

The following is a description of the coding and decoding methods for the different types of car radios.

Activating the coding

Radio is playing: Press button Φ (Expert) for more than 1 second, with the rotary knob on the right select "CODE" in the display. Press button Φ (Expert) shortly -> CH -- -- -- -- is shown in the display.

Enter the code number by turning the right shaft encoder.

Confirm the code number: Press the **right shaft encoder** shortly -> display shows "SAFE"

Leave the Expert mode: Press button Φ (Expert) for more than 1 second.

Is the coding activated?

Radio is playing: Press button Φ (Expert) for more than 1 second.

The coding is activated when "SAFE" is indicated in the display.

The coding is not activated when "CODE" is indicated in the display.

Leave the Expert mode: Press button Φ (Expert) for more than 1 second.

Putting into operation again

On disconnection of the supply voltage the radio is electronically locked.

Reconnect the radio correctly to the supply voltage.

Switch the radio on -> display shows "SAFE". After about 1 second, 1-- -- -- --. is indicated in the display.

The figure on the left of the code number indicates the number of attempts counted. Between the attempts 1-7 the waiting time increases to 24 hours. After the 7th attempt there is always a waiting time of 24 hours until a new code can be entered.

Enter the code number.

Confirm the code number: Press the **right shaft encoder** shortly; "SAFE" is indicated in the display. After about 1 second the radio starts playing.

The entered code number is not correct -> "SAFE" is indicated in the display.

Deactivating the coding

Press button Φ (Expert) for more than 1 second, with the rotary knob select "SAFE" in the display.

Press the **right shaft encoder** shortly -> CH 1-- -- -- -- is indicated in the display.

Enter the code number.

Confirm the code number: Press the **right shaft encoder** shortly; "CODE" is indicated in the display.

The entered code number is not correct -> "SAFE" is indicated in the display.

Press button Φ (Expert) for more than 1 second.



**for types WKC/SCD/EC...
2201, 2301, 3200, 3201, 3300, 3301, 3390, 3400, 3460, 3490**

The following is a description of the coding and decoding methods for the different types of car radios

Activating the coding

Radio is playing

Press the EXPERT button until a signal is sounded. "EXPERT" is shortly indicated in the display.

Press any of the buttons   until "CODE" is indicated in the display. Press button EXPERT shortly. The indication -- -- -- -- flashes in the display.

Enter the code number: The code is entered by repeatedly pressing the station buttons 1-4 (station button 1 for figure 1, station button 2 for figure 2 and so on).

A wrong code number can be corrected by overwriting, i.e. entering a new code number.

Confirm the code number: Press EXPERT shortly -> "SAFE" is indicated in the display.

Leave the Expert mode: Press the EXPERT button until a signal is sounded.

Is the coding activated?

Radio is playing: Press the EXPERT button for more than 1 second.

The coding is activated when "SAFE" is indicated in the display.

The coding is not activated when "CODE" is indicated in the display.

Leave the Expert mode: Press the EXPERT button for more than 1 second.

Putting into operation again

On disconnection of the supply voltage the radio is electronically locked.

Reconnect the radio correctly to the supply voltage.

Switch the radio on -> "SAFE" is indicated in the display.

After about 3 seconds 1-- -- -- -- is indicated in the display.

Enter the code number: The code is entered by repeatedly pressing the station buttons 1-4 (station button 1 for figure 1, station button 2 for figure 2 and so on).

A wrong code number can be corrected by overwriting, i.e. entering a new code number.

Confirm the code number: Press the EXPERT button until "SAFE" is indicated in the display.



Radio starts playing after about 2 seconds.

The entered code number is not correct -> "SAFE" is indicated in the display.

The figure on the left of the code number indicates the number of attempts counted. Between the attempts 1-7 the waiting time increases to 24 hours. After the 7th attempt there is always a waiting time of 24 hours until a new code can be entered.

Deactivating the coding

Radio is playing. Press the EXPERT button until a signal is sounded. "EXPERT" is shortly indicated in the display.

Press any of the buttons   until "SAFE" is indicated in the display. Press button EXPERT shortly. The indication 1-- -- -- -- flashes in the display.

Enter the code number: The code is entered by repeatedly pressing the station buttons 1-4 (station button 1 for figure 1, station button 2 for figure 2 and so on).

A wrong code number can be corrected by overwriting, i.e. entering a new code number.

Confirm the code number: Press EXPERT shortly -> "CODE" is indicated in the display.

Leave the Expert mode: Press the EXPERT button until a signal is sounded.

Partners help each other

Please help us find hidden faults and return all modules with a brief description of the fault.

For this purpose, a fault tag or adhesive label is enclosed with all modules (insert cards) delivered by the GRUNDIG service organisation.

GRUNDIG SERVICE-Dokument		Fehlerhinweise für Autogeräte Fault Report for Car Radios	
Kauf-/Tauschdaten Purchase/Replacement Data		Rundfunkteil/Radio Stage	Cassettenteil Cassette Stage
Gerätenummer/Serial Number	Code	<input type="checkbox"/> UKW gestört <input type="checkbox"/> LMK gestört <input type="checkbox"/> keine Funktion <input type="checkbox"/> Speicherfehler <input type="checkbox"/> Suchlauffehler <input type="checkbox"/> Stereofehler <input type="checkbox"/> Tonfehler <input type="checkbox"/> Verkehrsfunk <input type="checkbox"/> SCV-Regelung <input type="checkbox"/> VIP-Betrieb <input type="checkbox"/> RDS Funktionen <input type="checkbox"/>	<input type="checkbox"/> Cassette läuft nicht No Cassette drive <input type="checkbox"/> Cassettenlauf Cassette Drive <input type="checkbox"/> Cassettenauswurf Cassette Eject <input type="checkbox"/> Reverse Betrieb Reverse Mode <input type="checkbox"/> Wiedergabe-Fehler Playback Fault <input type="checkbox"/> Kanalausfall Loss of Channel <input type="checkbox"/> Laufgeräusche Mechanical Noise <input type="checkbox"/> Sonstige Fehler Other of Faults
Nur bei Geräten ohne Rahmennummer		<input type="checkbox"/> FM defective <input type="checkbox"/> L/M/SW defective <input type="checkbox"/> No Funktions <input type="checkbox"/> Memory Fault <input type="checkbox"/> Station Search <input type="checkbox"/> Stereo Fault <input type="checkbox"/> Sound Fault <input type="checkbox"/> Traffic Radio <input type="checkbox"/> SCV-Control <input type="checkbox"/> VIP-Mode <input type="checkbox"/> RDS-Functions	
Händlerstempel/Dealer Stamp Firmenstempel/Company Stamp		Wann tritt der Fehler auf When does the fault occur	
Unterschrift Signature	Verkaufsdatum Date of Sale	<input type="checkbox"/> Immer <input type="checkbox"/> Nur zeitweise <input type="checkbox"/> Nur bei Kälte <input type="checkbox"/> Nur bei Wärme	Immediately Intermittent Only when Cold Only when Hot
Austauschtag Date of Replacement	Tausch durch Replaced by		
Datum/Date	(WKZ/NL)		

09624 843 9000

Audio/HiFi

Calendar 2002

January	February	March	April	May	June
1 TU New Year	1 Fr	1 Fr	1 Mo Easter Monday	1 We 1st May 18	1 Sa
2 We 1	2 Sa	2 Sa	2 Tu	2 Th	2 So
3 Th	3 So	3 So	3 We 14	3 Fr	3 Mo
4 Fr	4 Mo	4 Mo	4 Th	4 Sa	4 Tu
5 Sa	5 Tu	5 Tu	5 Fr	5 So	5 We 23
6 So HI.3 Könige	6 We 6	6 We 10	6 Sa	6 Mo	6 Th
7 Mo	7 Th	7 Th	7 So	7 Tu	7 Fr
8 Tu	8 Fr	8 Fr	8 Mo	8 We 19	8 Sa
9 We 2	9 Sa	9 Sa	9 Tu	9 Th	9 So
10 Th	10 So	10 So	10 We 15	10 Fr	10 Mo
11 Fr	11 Mo	11 Mo	11 Th	11 Sa	11 Tu
12 Sa	12 Tu	12 Tu	12 Fr	12 So	12 We 24
13 So	13 We 7	13 We 11	13 Sa	13 Mo	13 Th
14 Mo	14 Th	14 Th	14 So	14 Tu	14 Fr
15 Tu	15 Fr	15 Fr	15 Mo	15 We 20	15 Sa
16 We 3	16 Sa	16 Sa	16 Tu	16 Th	16 So
17 Th	17 So	17 So	17 We 16	17 Fr	17 Mo
18 Fr	18 Mo	18 Mo	18 Th	18 Sa	18 Tu
19 Sa	19 Tu	19 Tu	19 Fr	19 So Whit Sunday	19 We 25
20 So	20 We 8	20 We 12	20 Sa	20 Mo Whit Monday	20 Th
21 Mo	21 Th	21 Th	21 So	21 Tu	21 Fr
22 Tu	22 Fr	22 Fr	22 Mo	22 We 21	22 Sa
23 We 4	23 Sa	23 Sa	23 Tu	23 Th	23 So
24 Th	24 So	24 So	24 We 17	24 Fr	24 Mo
25 Fr	25 Mo	25 Mo	25 Th	25 Sa	25 Tu
26 Sa	26 Tu	26 Tu	26 Fr	26 So	26 We 26
27 So	27 We 9	27 We 13	27 Sa	27 Mo	27 Th
28 Mo	28 Th	28 Th	28 So	28 Tu	28 Fr
29 Tu		29 Fr Good Friday	29 Mo	29 We 22	29 Sa
30 We 5		30 Sa	30 Tu	30 Th	30 So
31 Th		31 So Easter Sunday		31 Fr	

Fair Dates:
 Genfer Autosalon 07.03.-17.03.2002, Genf
 CeBIT 13.03.-20.03.2002, Hannover
 light + building 14.04.-18.04.2002, Frankfurth/Main

Anga Cable
 Car & Sound

23.04.-25.04.2002, Köln
 26.04.-28.04.2002, Sinsheim

Calendar 2002

July	August	September	October	November	December
1 Mo	1 Th	1 So	1 Tu	1 Fr	1 So
2 Tu	2 Fr	2 Mo	2 We 40	2 Sa	2 Mo
3 We 27	3 Sa	3 Tu	3 Th Day of German unity	3 So	3 Tu
4 Th	4 So	4 We 36	4 Fr	4 Mo	4 We 49
5 Fr	5 Mo	5 Th	5 Sa	5 Tu	5 Th
6 Sa	6 Tu	6 Fr	6 So	6 We 45	6 Fr
7 So	7 We 32	7 Sa	7 Mo	7 Th	7 Sa
8 Mo	8 Th	8 So	8 Tu	8 Fr	8 So
9 Tu	9 Fr	9 Mo	9 We 41	9 Sa	9 Mo
10 We 28	10 Sa	10 Tu	10 Th	10 So	10 Tu
11 Th	11 So	11 We 37	11 Fr	11 Mo	11 We 50
12 Fr	12 Mo	12 Th	12 Sa	12 Tu	12 Th
13 Sa	13 Tu	13 Fr	13 So	13 We 46	13 Fr
14 So	14 We 33	14 Sa	14 Mo	14 Th	14 Sa
15 Mo	15 Th	15 So	15 Tu	15 Fr	15 So
16 Tu	16 Fr	16 Mo	16 We 42	16 Sa	16 Mo
17 We 29	17 Sa	17 Tu	17 Th	17 So	17 Tu
18 Th	18 So	18 We 38	18 Fr	18 Mo	18 We 51
19 Fr	19 Mo	19 Th	19 Sa	19 Tu	19 Th
20 Sa	20 Tu	20 Fr	20 So	20 We 47	20 Fr
21 So	21 We 34	21 Sa	21 Mo	21 Th	21 Sa
22 Mo	22 Th	22 So	22 Tu	22 Fr	22 So
23 Tu	23 Fr	23 Mo	23 We 43	23 Sa	23 Mo
24 We 30	24 Sa	24 Tu	24 Th	24 So	24 Tu Cristmas
25 Th	25 So	25 We 39	25 Fr	25 Mo	25 We Cristmas 52
26 Fr	26 Mo	26 Th	26 Sa	26 Tu	26 Th Cristmas
27 Sa	27 Tu	27 Fr	27 So	27 We 48	27 Fr
28 So	28 We 35	28 Sa	28 Mo	28 Th	28 Sa
29 Mo	29 Th	29 So	29 Tu	29 Fr	29 So
30 Tu	30 Fr	30 Mo	30 We 44	30 Sa	30 Mo
31 We 31	31 Sa		31 Th		31 Tu New Year Eve

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25.09.-27.09.2002, Leipzig
20.11.-23.11.2002, Düsseldorf
17.09.-22.09.2002, Frankfurth/Main

