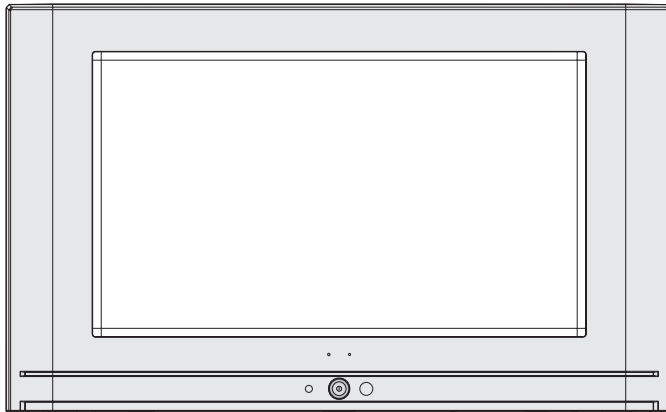


Instruction Book



FERGUSON FTV28DFW5

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Receiving a Digital Signal

Important Notice:

Before unpacking this product further, did the store where you purchased this product check your postcode for reception?

The telephone number for your local store is on your till receipt, or visit www.mastercare.co.uk Should your store not be able to help, please check the following Website Links for Digital Terrestrial signal coverage:

www.freeview.co.uk

www.dtg.org.uk/consumer

Please note: In order to receive quality digital signals you may need an aerial upgrade.

There are 3 main reasons why you may need to upgrade your aerial:

1. Your current aerial and cabling may not be able to receive all the digital channels due to their age and condition.
2. In your location the digital channels may be transmitted on a different frequency to your existing analogue signals and you may need a different type of aerial to receive them.
3. The new digital channels may be transmitted from a new transmitter and if this is the case the aerial would have to be re-aligned. Alternatively you could add a second aerial to your system.

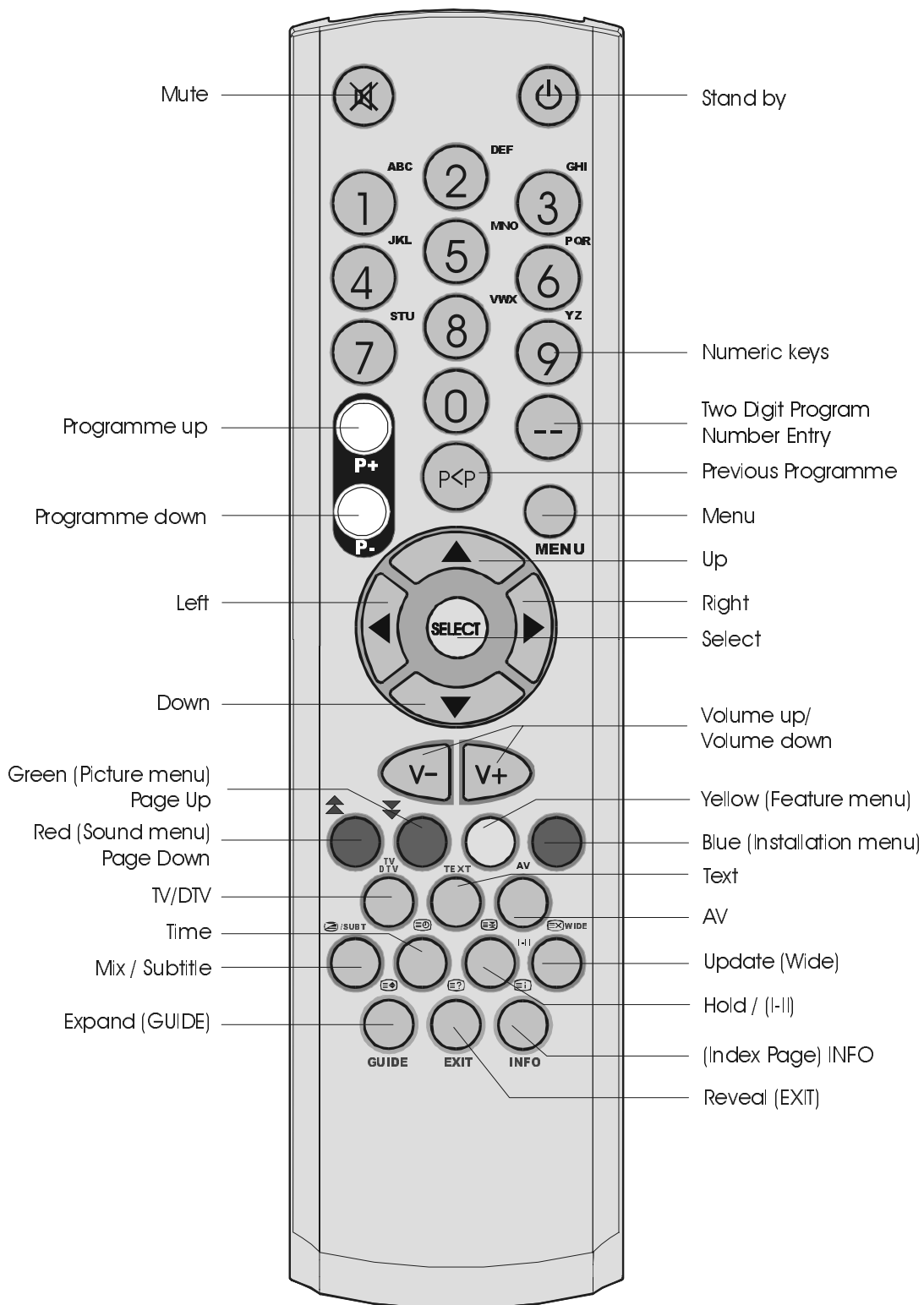
For further information contact the digital helpline on: 08700 100484
(open Mon-Fri 8.30-8, Sat 9-6, Sun 9-5.30) All calls charged at National Rate.

Please note, your IDTV includes a slot for a Cam Module for additional paid TV services which may be available now or in the future, for example 'top up TV' (TUTV).

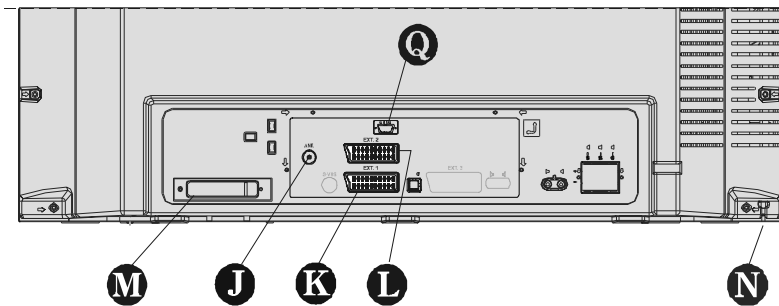
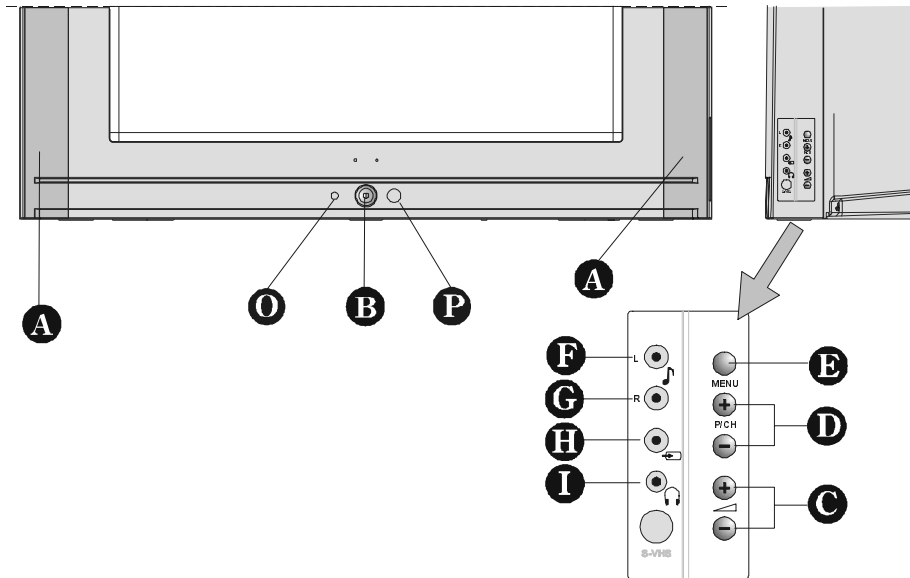
If you wish to subscribe to additional digital programmes you will need to purchase the Cam Module separately. This can then be used to insert the top up TV card.

Please consult your dealer or Pay TV operator for details on the availability of the CAM module.

remote control



Control Panel



- A** Speakers (left + right)
- B** = Power On / Off
- C** - + = Volume -/+
- D** - P/CH + = Program -/+
- E** MENU = Menu
- F** AUDIO L () = Audio left
- G** AUDIO R () = Audio right
- H** VIDEO () = VCR
- I** H-PHONE () = Headphone 3,6 mm Ø
- J** ANT = Antena (75Ω)
- K** EXT.1 = Scart Socket 1
- L** EXT.2 = Scart Socket 2
- M** Common interface slot
- N** Power Cable
- O** Power on indicator
- P** Remote control sensor
- Q** RS232 socket (for software upgrade from PC)

Preparation

Place TV on a solid surface.

For ventilation, leave a space of at least 10 cm free all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set.

Features

- Remote controlled colour television.
- 100 programmes from VHF, UHF bands or cable channels can be preset.
- Tune cable channels.
- Control by menu driven system.
- Scart sockets for external devices (such as computer, video, video games, audio set, etc.)
- Front AV (FAV).
- Stereo sound system.
- Full function Teletext (Fastext).
- Headphone connection available.
- APS Plus (Automatic Programming System).
- Sleep timer.
- Automatic sound mute when no transmission.
- 5 minutes after the broadcasting (closedown), the TV switches itself automatically to stand-by mode.
- Child lock.
- WSS (Wide Screen Signaling).
- NTSC Playback.

Safety Precautions

1. Power Source

The receiver should be operated only from a 230-240 V AC, 50 Hz. outlet. Ensure you select the correct voltage setting for your convenience.

2. Power Cord

The power supply cord should be placed so that they are not likely to be walked on or pinched by items placed upon them or against them. Pay particular attention to cord where they enter the plug, power outlet, and the point where they exit from the receiver.

3. Moisture and Water

Do not use this equipment in a humid and damp place (avoid the bathroom, the sink in the kitchen, and near the washing machine). Do not expose this equipment to rain or water, as this may be dangerous and do not place objects filled with liquids on top. Avoid from dripping or splashing.

4. Cleaning

Before cleaning, unplug the receiver from the main supply, outlet. Do not use liquid or aerosol cleaners. Use with soft and dry cloth.

5. Ventilation

The slots and openings on the receiver are intended for ventilation and to ensure reliable operation. To prevent overheating, these openings must not be blocked or covered in anyway.

6. Lightning

In case of storm and lightning or when going on holiday, disconnect the power cord from the wall outlet.

7. Replacement Part

When replacement parts are required, be sure the service technician has used replacement parts which are specified by the manufacturer or have the same specifications as the original one. Unauthorized substitutions may result in fire, electrical shock, or other hazards.

8. Servicing

Please refer all servicing to qualified personnel. Do not remove cover as this may result in electric shock.

9. X-rays

The x-rays generated in this television are shielded sufficiently. Beam potential is max. 30kV.

10. Flame sources

Do not place naked flame sources on the apparatus.

11. Screen Burn

ATTENTION ! Please note that some programmes are broadcast with a logo that will appear in the corner of your TV screen. Some of these logo's can be very bright and may cause damage by permanently marking the logo on the screen. To prevent this, avoid leaving channels displaying a logo for prolonged periods of time, particularly when the TV is not being watched.

Warning!

Any intervention contrary to regulations, in particular, any modification of high voltage or a replacement of the picture tube may lead to an increased concentration of x-rays. Any television modified in this way no longer complies with license and must not be operated.

Instructions for waste disposal:

Packaging and packaging aids are recyclable and should principally be recycled. Packaging materials, such as foil bag, must be kept away from children.

Batteries, including those which are heavy metal-free, should not be disposed of with household waste. Please dispose of used batteries in an environmentally sound manner. Find out about the legal regulations which apply in your area.

Ensure that exhausted batteries from the remote control handset are disposed of safely.

“DO NOT LEAVE YOUR TV STAND-BY OR OPERATING CONDITION WHEN YOU LEAVE YOUR HOUSE”



RISK OF ELECTRIC SHOCK

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Before Switching on your TV

Power connection

IMPORTANT: The TV set is designed to operate on 230-240 V AC, 50 Hz.

- After unpacking, allow the TV set to reach the ambient room temperature before you connect the set to the mains.

Aerial Connections

- Connect the aerial plug to the aerial input socket located at the back of the TV.

How to connect other devices

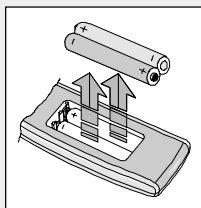
IMPORTANT: Switch off the TV before connecting any external device.

Sockets for external connections are on the back of the TV.

For connection of other devices via Euroconnector (RCA JACK) refer to the manuals of the related devices.

Inserting batteries in the remote control handset

- Remove the battery cover located on the back of the handset by gently pulling upwards from the indicated part.
- Insert two AAA (R03) or equivalent type batteries inside.
- Replace the battery cover.



NOTE: Remove batteries from remote control handset when it is not to be used for a long period. Otherwise it can be damaged due to any leakage of batteries.

Switching the TV ON/OFF

You can operate your TV either using the remote control handset or directly using the TV onset buttons.

To switch the TV on

Your TV will switch on in two steps:

1- Press the power button located on the front of the TV. Then the TV switches itself to standby mode and the LED located below becomes RED.

2- To switch on the TV from stand-by mode either: Press a digit button on the remote control so that a programme number is selected,

or,

Press Programme Up or Down buttons on the front of the TV or on the remote control.

By either ways the TV will switch on and the LED will turn off.

To switch the TV off

- Press the stand-by button on the remote control, so the TV will switch to stand-by mode and the LED will become Red,

or,

Press the power button located on the front of the TV, so the TV will switch off.

preparation

SILENCE MODE:

"When you turn off your IDTV by pressing Stand-by button on the remote control , IDTV switches into SILENCE mode and the led on the front of IDTV starts blinking. Also, IDTV switches into SILENCE mode automatically everyday at 3.00 a.m.

In the silence mode IDTV searches for new software. If new software is found, it is automatically loaded. TV exits from stand-by mode after loading process.

You can terminate silence mode any time you want by pressing "P+/P-" or numeric keys"

TUNING IN

Your TV will switch on in the digital mode. If this is the first time that the TV has been used, there will be no channels stored in the memory and the First Time Installation menu will be displayed on the screen.

Do you want to start automatic search?

Yes

No

Using the "◀" or "▶" keys on the remote control, make sure that the YES button is highlighted in yellow, and press the "SELECT" key to start the automatic search.

The TV will automatically tune to the UHF transmission channels 21 to 68 looking for digital terrestrial TV broadcasts and displaying the names of channels found. This process will take about three minutes.

AUTOMATIC SEARCH

Channels:

Codec 4:3
Codec 16:9
BBC ONE
BBC TWO
BBC CHOICE
BBC NEWS 24
BBCi
BBC PARLMNT
BBC Knowledge

Searching UHF Channel: 49. Please wait. This will take a few minutes.

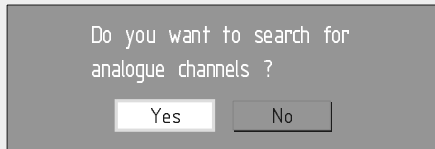
0 %

100 %

MENU Cancel Search

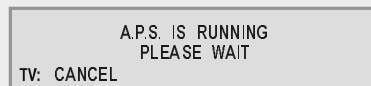
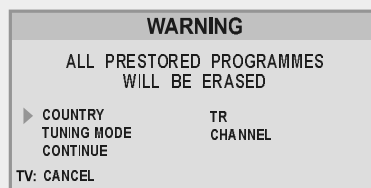
preparation

After Automatic search is finalized the following menu appears.



Press the "SELECT" button to choose "Yes". Press "▼" to highlight CONTINUE. Press the SELECT button to start tuning.

Note: If you select "No", the first channel of the channel list and the information banner is displayed you can now watch digital terrestrial television, selecting the channel you require as described in the next section.



Your IDTV will now tune in all available analogue channels.

After A.P.S. is completed program menu is displayed on the screen.

The Program menu lists the analogue TV programmes found during the tuning process. You will now need to identify and name the clearest programmes and arrange them into your preferred order (eg. allocate position "01" to BBC1, position "02" to BBC2, etc...)

- 1) From the PROGRAM menu, press "▲" / "▼" buttons to scroll through the channels to find a clear programme (NOTE: We recommend you find your programmes in the order you wish to save them, eg BBC1 first, BBC2 second, ITV third, etc...)
- 2) Press the RED button to select.
- 3) Press "▲" / "▼" buttons to change the letter and "◀" or "▶" to select the next letter.
- 4) Press the RED button to store your channel name.
- 5) With this channel still highlighted in red, press the GREEN button.
- 6) Press the "▲" / "▼" button to move this channel to your preferred location (eg "01"). Press the GREEN button to confirm.
- 7) Repeat steps 1-6 until all your chosen channels are named and stored in your preferred location.

To delete unwanted programmes, use the "▲" / "▼" button to highlight the programme in red and press the YELLOW button twice to delete.

To remove the PROGRAM menu from the screen, press the MENU button twice.

HINT

Depending on the reception conditions in your particular area, you may find that the list of channels found includes one or more repeated names. This is because the TV may detect and store some channels, including those it cannot receive clearly, from adjacent areas alongside the strong channels from a transmitter nearby. This is not a problem and the weaker channels can be deleted from the TV later, as described in "ADVANCED OPERATION - Editing the channel list" section.

If no digital terrestrial television broadcasts are found the TV will display a message:



NO SIGNAL

You should then refer to the Tips/Troubleshooting Guide to establish the cause of the problem.

DIGITAL TV

everyday operation

There are a great many keys to use in different situations. Many of the menu screens displayed by the TV have reminders as to which keys do what, at the base of the screen. In addition, many screens have further help available which is displayed when the "INFO" key is pressed, as prompted at the bottom right of the screen.

Pressing the "TV/DTV" key at any time while watching television programmes will switch the TV set between displaying the digital terrestrial television programme and its normal analogue television reception.

CHANGING CHANNELS

You can select the channel you wish to watch in one of four ways - 1) stepping through the channel list, 2) selection by number, 3) from the on-screen channel list, 4) using the electronic programme guide (EPG).

To move through the channel list, press the "P+" or "P-" keys on the remote control. Pressing the "P+" key will select the channel next in the channel list. Pressing the "P-" key will select the previous channel in the list.

Pressing the "P+" key when the last channel in the list is being viewed will select the first channel. Similarly, pressing the "P-" key when the first channel is displayed will select the last channel in the channel list.

You can also select the required channel using its channel list number. Channel numbers are entered using the number keys on the remote control handset and can be up to three digits long.

Hint

The channel list numbers are assigned by the broadcasters. Because not all channels are broadcast free-to-air and stored by the TV, the channel list numbers do not run continuously.

The fifteenth channel in the list, for example, may not be channel number 15 but channel number 17.

When you press a number key on the remote control, a small box appears in the top left of the screen to show the entered number. After each digit is entered, the TV will wait up to two seconds for the next digit to be pressed until either three digits have been entered or you do not press a digit in time. The channel corresponding to the entered number in the box will then be selected.

Hint

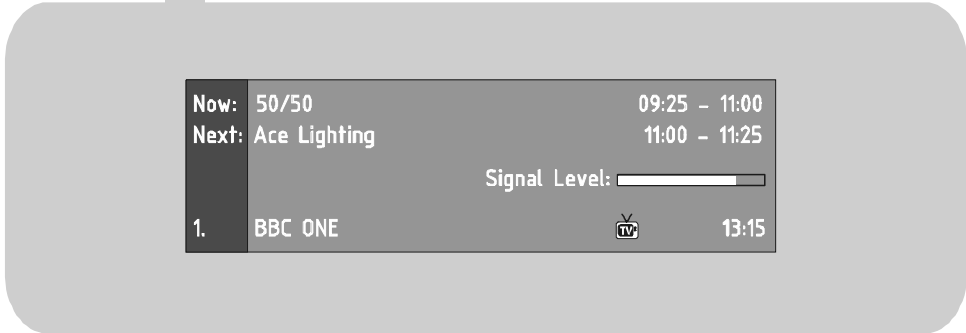
If you enter a number which does not correspond to a stored channel, the next valid channel number is selected instead.

DIGITAL TV

everyday operation

INFORMATION BANNER

Whenever you change channel, using the “P+” and “P-” keys or the number keys, the TV displays the channel picture along with an information banner at the bottom of the screen. This will remain on the screen for approximately three seconds. The information banner can also be displayed at any time while watching TV by pressing the “INFO” key on the remote control. Pressing the “INFO” key again removes the banner.



Hint

Not all channels broadcast the programme data. If the name and times of the programme is not available then “No Information Available” is displayed in the information banner.

The information banner gives a number of facts on the channel selected and the programmes on it. The name of the channel is displayed, along with its channel list number and an indication of the strength of the signal received on this tuning channel.

Icons are also displayed in the information banner and if this channel is a favourite channel (see **ADVANCED OPERATION - Favourite Channels** section).

The name and the start and finish time of the programme currently showing on the selected channel are given, and the current time.



favourite channel

DIGITAL TV

everyday operation

If the selected channel is locked (see Advanced operation- Channel protection), you must enter the correct four digit code to view the channel.

Alternatively, the “P+” or “P-” keys can be used to move to another, unlocked channel.

Enter Lock Key

*

CHANNEL LIST

You can also select the required channel directly from the on-screen channel list. First bring up the menu with the “MENU” key on the remote control handset.

Main Menu

- Channel List
- Installation
- Configuration
- Timers
- Language
- TV Setup
- Common Interface

Using the “▲” or “▼” keys on the remote control, make sure that the first item, Channel List, is highlighted in yellow and press the “SELECT” key, to display the channel list.

CHANNEL LIST

1 BBC ONE

2 BBC TWO

3 ITV 8

4 Channel 4

5 BBC THREE

6 Teletext

7 BBC FOUR

8 Sky Travel

9 UKHistory

Select Delete Edit Name Lock Favourites

Function Select Channel Watch More

DIGITAL TV

everyday operation

Here, you can preview any channel stored by the TV before viewing it full screen. The complete list of channels is displayed in pages of 10 channels at a time, with their channel list number and a favourite channel icon if appropriate. (see Advanced operation-Favourite channels). The name and a quarter-screen image of the channel last viewed is displayed on the upper right of the screen.

Using the “▲” or “▼” keys, the highlight is moved through the list to the channel required. The “▲▲” and “▼▼” keys can also be used to move forward or back a complete page (ten channels) at a time. Pressing “SELECT” key now changes the quarter-screen display to show the highlighted channel.

Hint

From the Channel List screen, it is possible to edit the channel list, including changing the name of stored channels or deleting them. Editing the list is covered in Advanced operation- Editing The Channel List. When using the Channel List to select channels, use the “◀” or “▶” keys to ensure that the highlighted button at the bottom of the screen is **SELECT**, so no editing functions are accidentally begun.

If you leave the Channel List screen, by pressing “MENU” the channel showing on the quarter screen is selected for normal viewing.

ELECTRONIC PROGRAMME GUIDE

The fourth way of selecting a channel is with the electronic programme guide, or EPG. The EPG is accessed by pressing the “GUIDE” key. Like the Channel List, the EPG screen displays a list of the stored channels (in pages of five channels) along with information on what programmes are being broadcast.

ELECTRONIC PROGRAMME GUIDE 1 **BBC ONE**

50/50 16:10 - 16:05

CBBC Angellica Bell referees the battle between Bispham School from Blackpool and Osset School from Wakefield. The teams fight their way through a series of challenges. With music from Sugababes.

Channels	Current Event	Next Event
1. BBC ONE	50/50	Ace Lightning
2. BBC TWO	Ready Steady Cook	The Weakest Link
3. ITV 1	Girls In Love	Crossrads
4. Channel 4	Countdown	Richard & Judy
5. BBC NEWS 24	BBC News	World Business Report

◀▶ Navigate ▶ Next Event **SELECT** Watch ⓘ More

DIGITAL TV

everyday operation

CURRENT PROGRAMME

The channels are listed at the bottom of the screen, each with the 'current event' (the name of the programme showing at that time) and the 'next event' (the following programme). When the EPG screen is first displayed, the channel last watched is highlighted in the list of channels. A quarter-screen image of this channel is displayed at the upper right of the screen along with the channel name and channel list number.

Hint

If the channel you have been viewing is a digital teletext channel then no picture will appear in the quarter-screen window.

Details of the current programme on that channel (the name of the programme and, typically, a synopsis with details of the stars involved, the teams playing, or similar information) along with the start and finish times are displayed at the top left inside the dark blue text window.

Hint

Not all channels broadcast all the programme information data. Some channels do not provide the current and next event data and/or the programme details. In this case the programme names and/or the details are not displayed. This is not a fault with your TV.

Moving the highlight through the list of channels using the “▲” and “▼” keys will change the programme details in the text window to reflect the channel highlighted. The quarter-screen window continues to show the channel last watched, so you can stay watching a programme while at the same time browse the details of what's on, on other channels.

You may then select the highlighted channel for viewing on the quarter-screen window by pressing the “SELECT” key.

You can leave the EPG screen, to enjoy normal full-screen viewing of the channel in the quarter-screen window by pressing the “GUIDE” key again, or the “MENU” key.

everyday operation

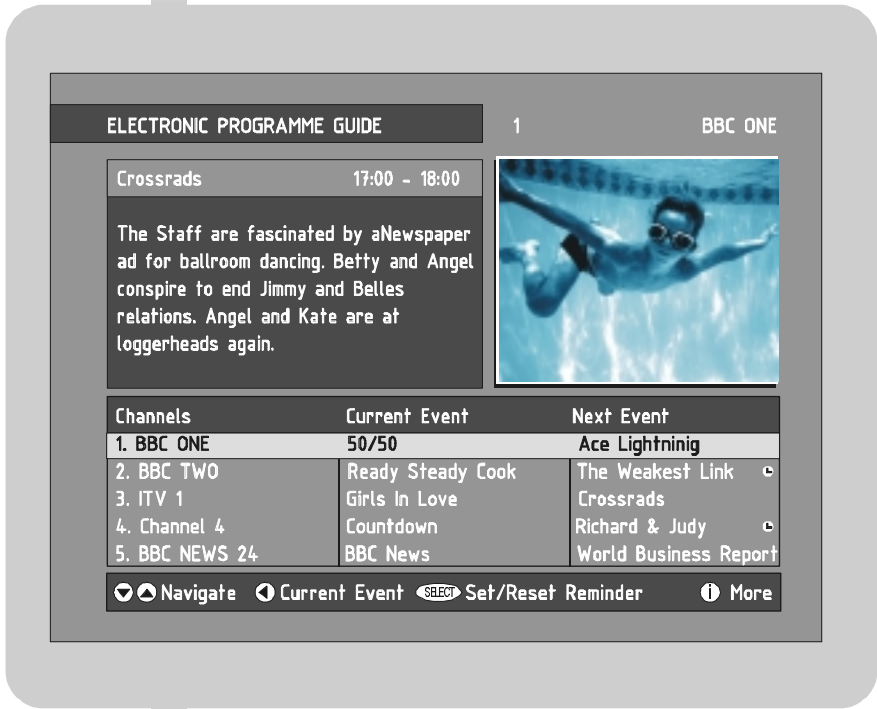
NEXT PROGRAMME

While the EPG screen is displayed, pressing the “▶” key highlights, in dark blue, the next event name in the list of channels and displays the highlighted channel's programme details for the next event (the programme following the current programme) in the text window.

As before, you can browse through the list, checking the programmes coming up next on all the channels.

Hint

If the programme details text for the current or next event is too long to fit into the text window on the EPG screen, a scroll bar appears on the right hand side of the window and the text can be scrolled up or down using the “YELLOW” and “BLUE” keys on the remote control. Using “▲” or “▼” keys will display the next/previous 5 channels in the list.



Pressing the “SELECT” key while the next event details are displayed will set a reminder to watch that programme. See Advanced operation- Programme Reminders And Timers.

You can return to the current programme display by pressing the “◀” key or to normal television viewing (to watch the channel last selected in the EPG screen) by pressing the “GUIDE” key again, or the “MENU” key.

DIGITAL TV

everyday operation

SOUNDTRACK LANGUAGE

Some programmes are broadcast in two or more languages simultaneously.

The language heard can be selected from the Language Menu. Press "MENU" key to display the Main Menu and use the "▲" or "▼" keys to highlight the Language line and press "SELECT" key. Use the "▲" or "▼" keys to highlight the soundtrack language required and press "SELECT" key. Normal viewing, with the required language soundtrack, can be resumed by pressing the "MENU" key.

If the programme has no alternative language soundtrack broadcast, the Language Menu will not be available, but a message, 'No Multi Language Available' is displayed briefly.

DIGITAL TELETEXT

Many digital terrestrial television channels not only broadcast pictures and sound for programmes but also pages of information on the programmes, the weather, news and many other topics.

Some channels are entirely given over to digital teletext and carry no normal TV programme at all. These dedicated digital teletext channels will not give a quarter-screen image in the EPG or the Channel List screen. When such a channel is selected, after a brief pause, they will usually display the opening page of information automatically.

Other channels have digital teletext pages broadcast alongside the television programme and often include a reduced-size broadcast picture within digital teletext pages. These usually require the "TEXT" keys to be pressed to activate the digital teletext pages.

In both cases, moving through the different pages of information is accomplished in a variety of ways, dependent on the individual broadcasters, but including use of the "▲", "▼", "◀", "▶" and "SELECT" keys to select items from on-screen menus, and the coloured keys to jump directly to particular pages.

You can exit any digital teletext channel by changing channel in any of the normal ways. You can leave the digital teletext function of a combined digital teletext/programme channel, to return to normal television viewing of that channel, by pressing the "TEXT" key.


Hint

Calling for the information banner or any menu on-screen stops the TV from displaying the digital teletext pages and they are temporarily replaced by a blank picture while the banner or menu is displayed. Digital teletext cannot be accessed when the Subtitles are enabled (See Advanced operation - Configuring Your Receiver.

DIGITAL TV

everyday operation

SUBTITLE

Subtitle key shows/hides subtitles of channel. When the subtitle “/ SUBT” key is pressed, subtitle ON/OFF message is displayed.

Subtitles ON

Subtitles OFF

When the IDTV is in DIGITAL TV mode, this time the TV scart is switched on and the TV is switched to AV/RGB mode. And also, when there is no menu on the screen, pressing TV/DTV key will manually toggle the IDTV between VCR mode and TV mode. In VCR mode IDTV will display the output of VCR device, In TV mode IDTV displays its own outputs. If IDTV scart mode is not changed by pressing TV/DTV key, scart mode will be automatically detected. (For example if a dvd player is connected to VCR scart and powered on, then the IDTV will immediately switch to VCR mode. The IDTV will switch to TV mode if dvd player is switched off)

TV / DTV KEY

If there is no connected VCR device, The TV/DTV key is used to toggle TV and DIGITAL TV modes. When the IDTV is in TV mode, the TV scart is not switched and the TV operates in analog mode.

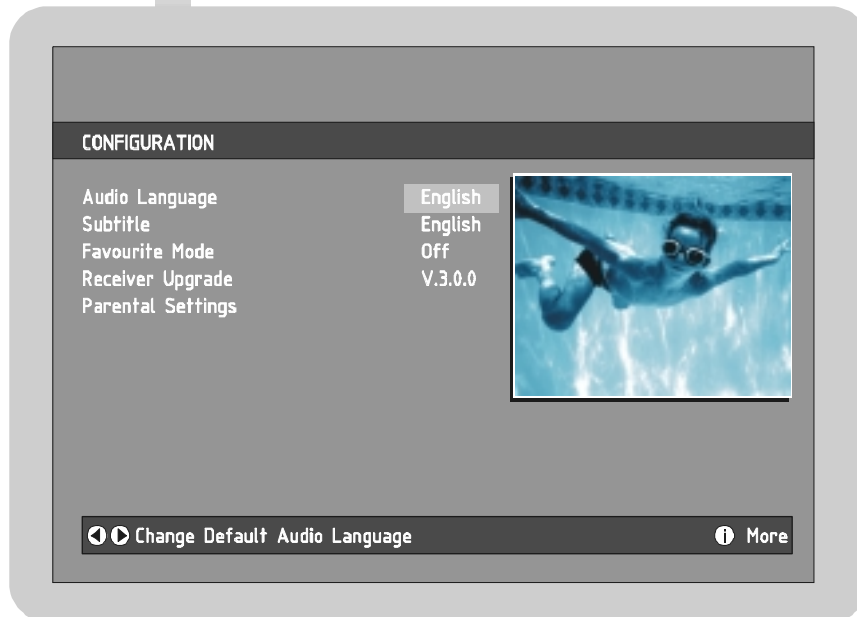
TIME () KEY

When the TV is in analog mode; if TIME key is pressed, time information that comes from the analog teletext is displayed on the screen.

If TIME key is pressed when the TV is in digital mode, digital broadcasting time information is displayed.

CONFIGURING YOUR TV

The Configuration menu screen is accessed from the Main Menu. Press the "MENU" key to display the Main Menu and the "▼" key twice to highlight Configuration, then press "SELECT" key to display the Configuration menu screen.



The various configuration functions are displayed in a list, along with a quarter-screen image of the currently selected channel. You can select a function by highlighting the corresponding menu line with the "▲" or "▼" keys. There are five configuration functions.

AUDIO LANGUAGE

Digital terrestrial television channels can broadcast simultaneous soundtracks in more than one language. This function selects which language soundtrack you will hear when switching to a channel broadcasting with multiple soundtracks. See also Everyday operation - Audio Control.

Highlight the Audio Language line in the Configuration menu and use the "◀" or "▶" keys to cycle through the language options.

Return to normal TV viewing by pressing the "MENU" key.

Digital terrestrial television channels can broadcast with subtitles displayed on screen for the hard-of-hearing. This function selects the desired subtitle language and enables the automatic display of subtitles whenever subtitle information is broadcast.

Highlight the subtitle line in the Configuration menu and use the "◀" or "▶" keys to cycle through the disable and language options.

Return no menu to normal TV viewing by pressing the "MENU" key.

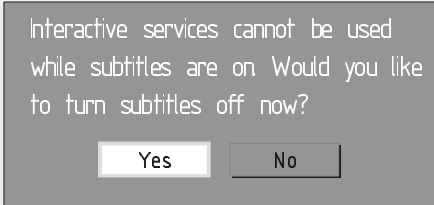
DIGITAL TV

advanced operation

SUBTITLE:

Selecting subtitle language other than “Off” will activate the subtitle language. When the subtitle language is activated, subtitle will be displayed on the screen if any matching subtitles are available.

Digital teletext and subtitles can not be activated at the same time. When you set the subtitle language from the configuration menu and try to activate digital teletext by pressing TEXT or colour buttons the following message appears.



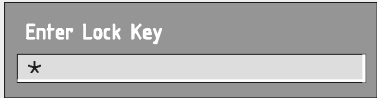
Therefore if you want to activate the digital teletext, you should set the subtitles off from the configuration menu.

FAVOURITE MODE

This function enables or disables the favourite channel list mode. See Advanced operation - Favourite Channels.

PARENTAL SETTINGS

This function enables or disables the menu protection system and allows the PIN code to be changed. See Advanced operation - Channel And Menu Protection.



If wrong Lock key is entered, the following message is displayed on the screen.



If you forget your pin code you will need to retune your digital channels - see page 33 for details.

IDTV UPGRADE

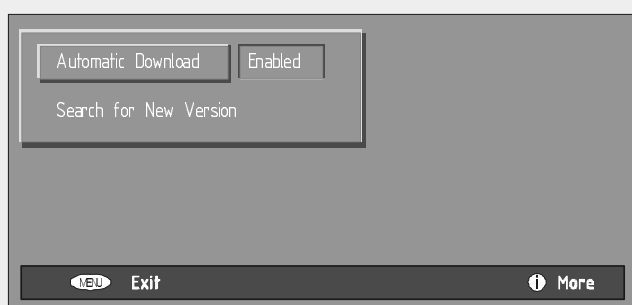
The IDTV can be upgraded via the configuration menu, entered from the main menu.

In the configuration menu, there is the "IDTV Upgrade" button. Upgrade process can be started by pressing this button.

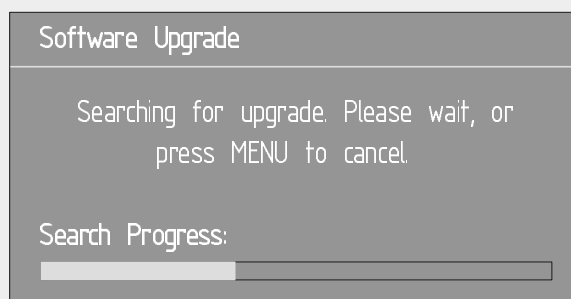
There are two possibilities for IDTV software to be upgraded: automatic and manual.

Automatic upgrade can be enabled or disabled by pressing "◀"/"▶" buttons. If it is enabled, then there are two ways for automatic upgrade. The first one is checking the existence of new software every time the IDTV goes to standby. The second one is an automatic upgrade at 03:00 a.m. every night, provided that the IDTV is left in standby mode. If the automatic upgrade is set to 'Disable' then this function will not work.

Manual upgrade starts if the 'Search for New Version' button is pressed.



After pressing the 'Search for New Version' button, the IDTV tunes to each frequency that have been stored in its database and looks for the new software. Since this process takes some time, a warning message is displayed.

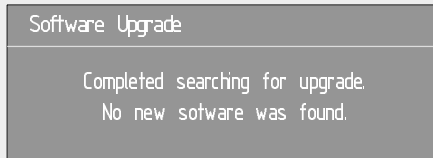


Depending on the existence of a new software, two different messages can appear on the screen: 'No new software was found' or 'New software found! Upgrade?'

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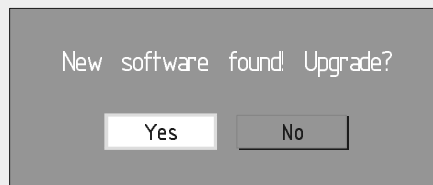
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IDTV returns to the configuration menu if there is no new software.



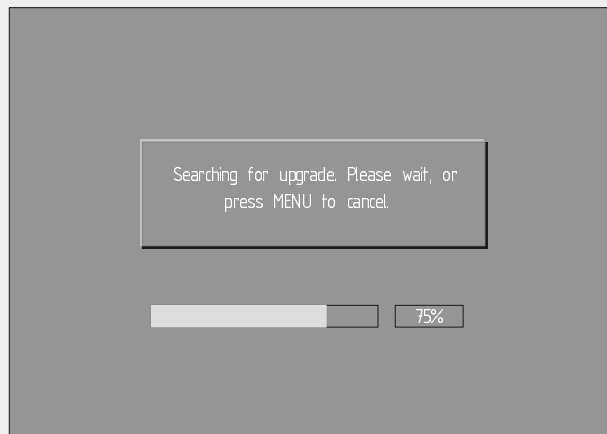
If there is a new software, pressing "Yes" will cause upgrading to be started.

By, pressing "No" user can return to the configuration menu.

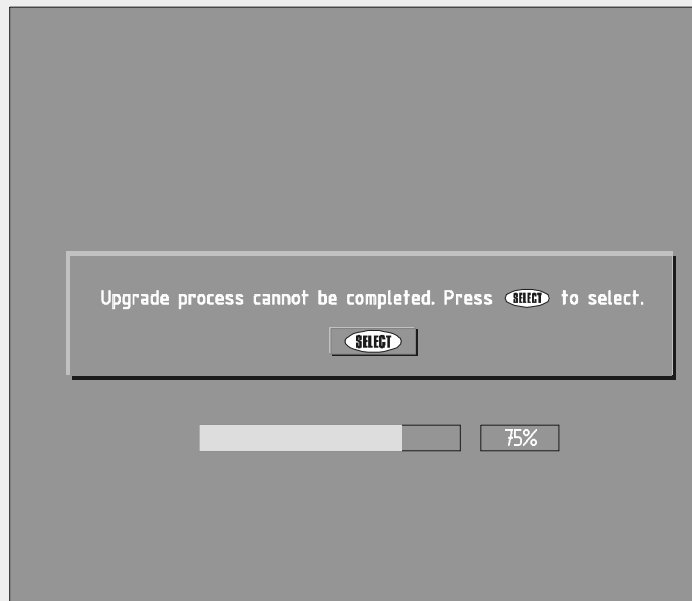


Loading will be displayed on the screen by a message and a progress bar, together with a percentage button will indicate the status.

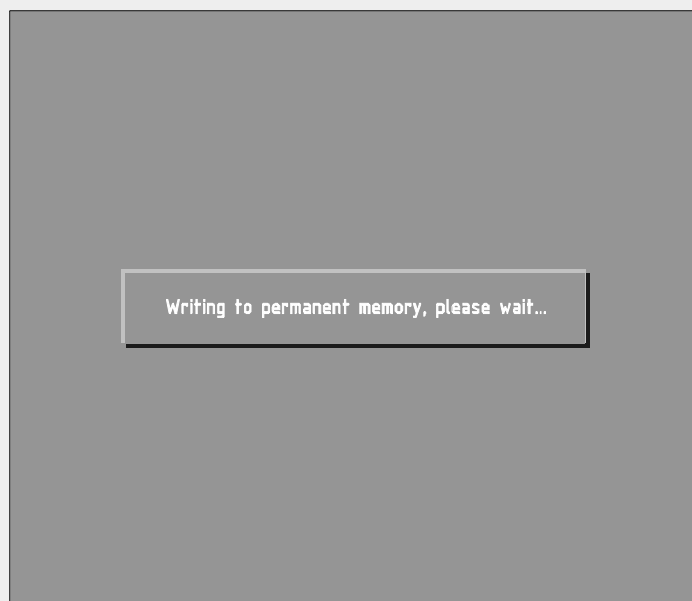
User can cancel the upgrade any time by pressing the "MENU" key.



If the upgrade is cancelled or any error is occurred during the loading process, a warning message is displayed and user is asked to press the "SELECT" key for returning the last watched channel.



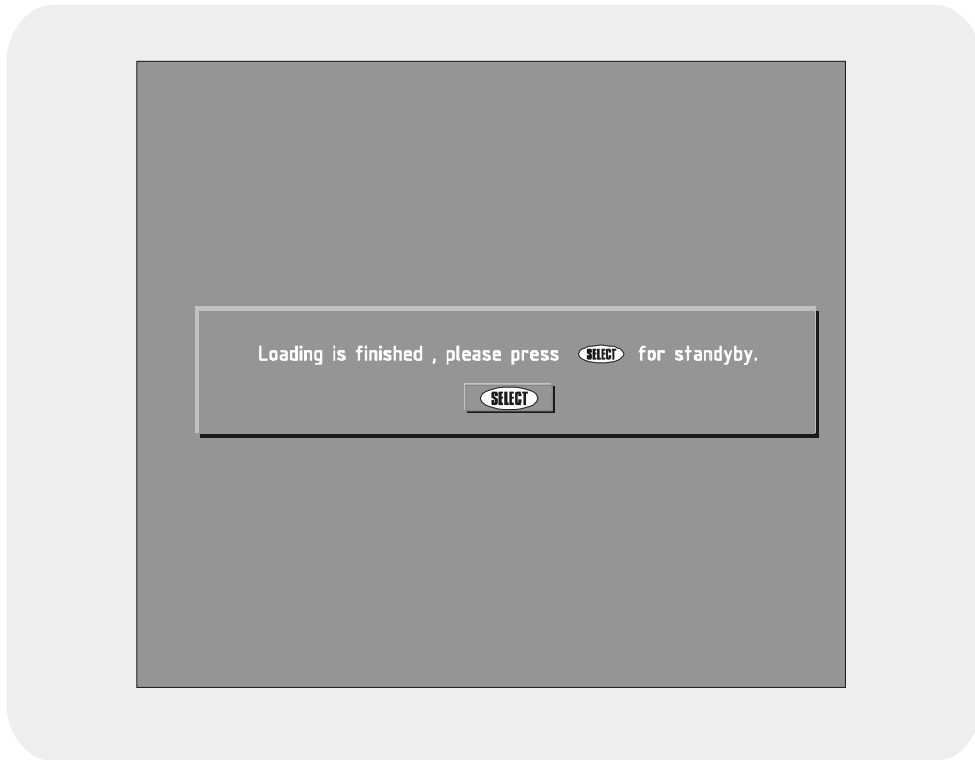
After loading the software into memory, it will be written permanently. This situation will be shown displaying a message.



When the upgrade is finished a message box indicating this will appear and the IDTV will go to standby in order the changes to take place.

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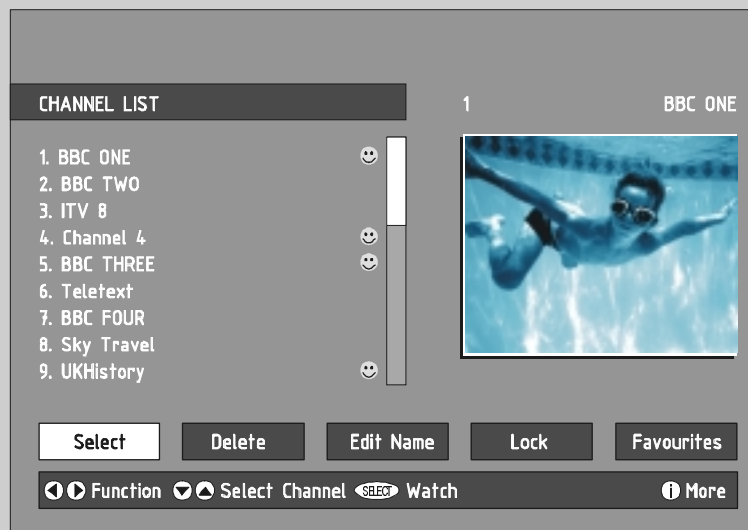
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EDITING THE CHANNEL LIST

The digital terrestrial television channels found by the TV when first installed are stored in its memory as a channel list. This list can be altered and amended to remove unwanted channels and to suit your own preferences.

First bring up the Main Menu with the "MENU" key on the remote control handset. Then, using the "▲" or "▼" keys on the remote control, make sure that the first item, Channel List, is highlighted in yellow and press the "SELECT" key, to display the Channel List.



The Channel List screen displays the list of channels in the TV's memory, with a quarter-screen image window showing the selected channel, and can be used to change channels for viewing, delete channels from the memory, edit the name of the channel as it appears in the list and on-screen, lock a channel against viewing by younger members of the family, and set up favourite channels.

Channel List functions are carried out on one channel at a time. The channel to be affected is first highlighted in the list using the "▲" or "▼" keys. You can move faster through the list using the "▲" or "▼" keys to move up or down a complete page of 10 channels in one jump.

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SELECT

This function selects a channel for viewing and is an alternative to using the “P+” and “P-” keys, channel number or EPG. Highlight the channel to be viewed, highlight the “SELECT” button at the base of the screen using the “◀” or “▶” keys and press “SELECT” key. The highlighted channel now appears in the image window and you can leave the Channel List to view the channel by pressing “MENU” key.

EDIT NAME

The channel names which appear in the channel list and the information banner are assigned by the broadcasters and some longer names are abbreviated to become unrecognisable. You can edit the names to suit your preferences with the Edit Name function.

Highlight the channel to be renamed, highlight the EDIT NAME button at the base of the screen using the “◀” or “▶” keys, and press “SELECT” key. The highlighted channel name appears on the right of the screen with the first character highlighted by a cursor. Any of the 16 characters that make up a channel name can be highlighted using the “◀” or “▶” keys and the highlighted character changed by pressing the “▲” or “▼” keys to cycle through the alphabet, numbers and other characters available.

When the required changes have been made, pressing “SELECT” key stores the new name and returns to the Channel List screen. Alternatively, pressing “MENU” key will abandon the name change and return to the previous name.

You can now perform further editing on the channel list, or return to normal broadcast viewing by pressing the “MENU” key.

Using the other two functions of the Channel List menu screen - LOCK and FAVOURITES - is dealt with in the next sections.

DELETE

Duplicate entries can be produced in the channel list from transmitters operating at different frequencies in adjacent areas, and you may wish to delete these duplicate entries from the list. In addition, the channel list may include the channels which you do not want in the list.

Highlight the channel to be deleted, highlight the DELETE button at the base of the screen using the “◀” or “▶” keys, and press “SELECT” key. The warning message “The selected service will be permanently deleted. Are you sure?” is displayed on the screen. Press “SELECT” key. The highlighted channel is deleted from the list.

You can now perform further editing on the channel list, or return to normal broadcast viewing by pressing the “MENU” key.

Hint

You can also enter a channel name using the number keys on the remote control. Each key represents several letters (as marked on the remote control) and pressing a key several times will enter each letter (in both capitals and lower case), and the number, in turn, in the character position marked by the cursor. The zero key enters all the punctuation marks available and a blank space. With practise, this is a very quick means of entering the required letters into the channel name.

CHANNEL AND MENU PROTECTION

CHANNEL LOCK

Some channels broadcast material which you do not want younger members of the family to watch. Any channel can be 'locked' so that it cannot be selected for viewing without first a four-digit PIN code being entered. In this way any channel not suitable for younger viewers can be protected.

The channel lock is applied with the Channel List menu. Press the "MENU" key on the remote control handset to display the Main Menu and then, using the "▲" or "▼" keys on the remote control, make sure that the first item, Channel List, is highlighted in yellow and press the "SELECT" key.

Highlight the channel to be locked using the "▲" or "▼" keys. (You can move through the list 10 channels in one jump using "▲" or "▼" keys.) Now select the LOCK button at the base of the screen with the "◀" or "▶" keys and press "SELECT" key.

A window requesting the PIN code is displayed and the four-digit code should be entered using the number keys on the remote control, followed by the "SELECT" key. A lock icon is then displayed alongside the channel name in the channel list.

Hint
The PIN is factory set to 0000.
This code should be reset (as described below) to another sequence of numbers, known only to you, when you have finished setting up the TV.

You can now leave the Channel List screen and return to normal TV viewing by pressing "MENU" key. Any attempt to change channel to the locked channel will now display the same window requesting the PIN code and the channel will only be displayed on entry of the correct code. To remove the lock on a channel, repeat the same process used to lock the channel.



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IMPORTANT: Make sure you make a note of the PIN code and keep it in a safe place.

MENU LOCK

Simply locking a channel will not deflect a determined would-be viewer. Re-installing the complete channel list, for example, will bypass the channel lock. However, the menus can be locked out of use too, to prevent this.

Display the Main Menu by pressing the "MENU" key, highlight Configuration, and press "SELECT" key to display the Configuration menu screen. Highlight the Parental Settings line of the menu (press "▼" four times) and press "SELECT" key to display the Parental Settings menu (after the PIN code has been entered). Here the menu lock-out can be set and the PIN code changed.

With the Menu Lock line highlighted, use the "◀" or "▶" key to cycle the menu lock setting through Disabled, Main Menu and Installation. The Main Menu setting will lock out the complete menu system; the Installation Menu setting locks only the Installation menu (see Advanced operation - Re-installation); and the Disabled setting allows free access to any of the menus.

Menu Lock

Disabled

Set Lock Key

Hint

If you want the channel and menu locks to work efficiently and actually protect channels from access, do change the PIN code from the factory default. Make sure that you choose a number that is not obvious to others but one that can be remembered by you.

The same Parental Settings menu is used to change the PIN code. With the Set Lock Key line highlighted, press "SELECT" key to display the Set Lock Key window. This requests the new four-digit code to be entered twice (for confirmation) and the new code comes in effect when you return to the Configuration menu by pressing "MENU" key.

You must return to normal TV viewing by pressing the "MENU" key (three times) to activate the lock. Now any attempt to access the locked menu will display the PIN request window and the menus will only be displayed on entry of the correct PIN code.

Enter Lock Key

*

Lock Key

Confirm

Lock Key Changed

FAVOURITE CHANNELS

There will be some channels that you tend to watch more often and some only occasionally. Although some duplicate or scrambled channels you may want to delete from the channel list, others although not watched frequently, you will not want to do away with altogether. The favourite mode allows the most-watched channels to be accessed more easily, leaving the less-watched channels accessible but out of the way.

When the favourite mode is activated, the “P+” and “P-” keys cycle through the favourite channels only and the EPG will list the favourite channels only (other channels can still be accessed by channel list number or from the Channel List menu screen).

Any channel can be a favourite channel and the Channel List menu is used to label those channels you want as favourites.

Display the Channel List menu screen by highlighting Channel List on the Main Menu and pressing “SELECT” key.



Use the “◀” or “▶” keys to highlight the “Favourites” button at the base of the screen and then, in turn, highlight each channel that is required to be a favourite channel, using the “▲” and “▼” keys (and the “▲” or “▼” keys), and press “SELECT” key. A channel selected as a favourite appears in the main channel list with a favourites icon against the channel name.

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A channel can have its favourites status removed by repeating this procedure, to remove the icon. Leave the Channel List menu by pressing "MENU" key.

Once the required channels have been marked as favourite channels, the favourite mode can be activated to allow easy access to them. Press the "MENU" key to

display the Main Menu, the "▼" key twice to highlight Configuration, and press "SELECT" key to display the Configuration screen. Press the "▼" key two times to highlight the Favourite Mode line and using the "◀" or "▶" keys change the setting from Off to On.

When you leave the Configuration menu by pressing "MENU" key the favourite mode is activated. Now, changing channel using the "P+" or "P-" keys will switch to only those channels marked as favourites in the channel list. Similarly, the on-screen list in the electronic programme guide contains only the favourite channels.

You can still access all the channels in the channel list by keying in their channel list number or by selection from the Channel List screen. Alternatively you can switch off the favourite mode from the Favourite Mode line of the Configuration menu.

Hint

The favourite mode can only be activated if one or more channels in the channel list are marked as favourites. Similarly, if the favourite status is removed from all the channels in the Channel List, the favourite mode is turned off automatically.

PROGRAMME REMINDERS AND TIMERS

With the greatly extended channel choice that digital terrestrial television brings, it is all too easy to miss a favourite programme. The TV has two facilities built in to help you make sure you catch all the TV shows you want.

PROGRAMME REMINDERS

Programme reminders can be set to signal that a programme is about to start when you are watching another channel. A reminder is set from the Electronic Programme Guide screen.

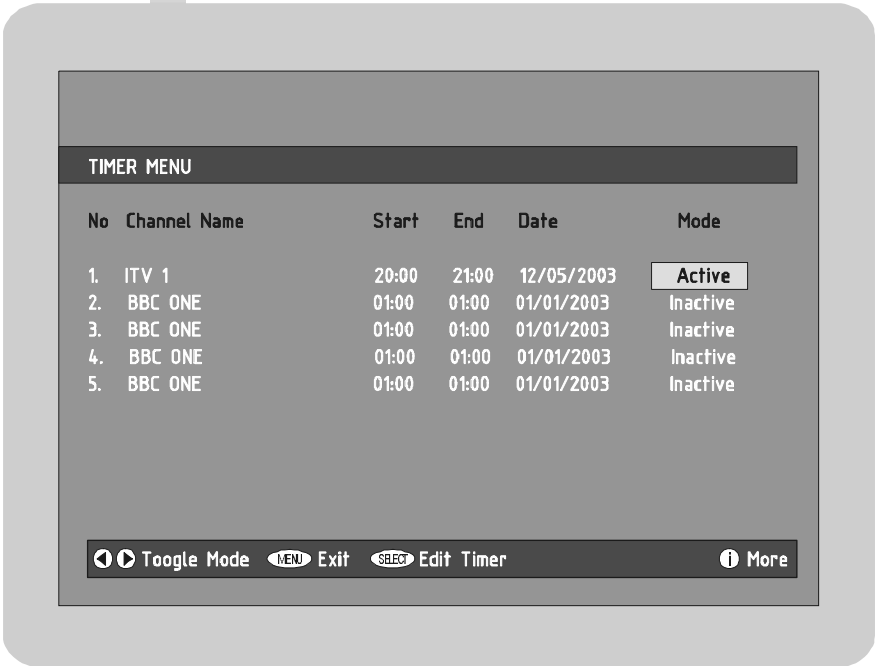
Press the "GUIDE" key to display the EPG screen and press "▶" key to display the next programme details in the text window and highlight the name of the next programme in the list of channels. Press "SELECT" key when a programme you want to watch is highlighted and the reminder icon is displayed against that programme's name. You can exit the EPG screen in the normal way - pressing "GUIDE" key or "MENU" key. Later, shortly before the programme is due to start, the TV will display a reminder on the screen over the picture of the channel being viewed.

Use the "◀" or "▶" keys to highlight the YES or NO buttons as appropriate and press "SELECT" key. If you select the YES button, the TV switches over to the reminder channel.

EVENT TIMER

You can also set a timer to switch the TV to any channel without your intervention. This is intended for making video recordings of programmes when you are out. If a single programme is to be recorded, the TV can be left switched to the required channel and the timer set on the VCR. However, if two or more programmes on different channels are to be recorded then the timer is set as well, to select the required channel when it is needed.

Display the Main Menu by pressing the "MENU" key and highlight and select the Timers line to display the Timer menu screen. Up to five separate timer events can be set and each is displayed in the Timer screen, showing the event number, the channel to be selected, the start time, end time, date and the mode - whether that event is active (and will be acted on) or not.



To set an event, highlight its mode button using the "▲" or "▼" keys and press "SELECT" key to display the timer entry window. Here the five settings of channel name, start time, end time, date and frequency mode can be set. You can move freely between each setting using the "▲" and "▼" keys. The channel name is set using the "◀" or "▶" keys to display the channel which broadcasts the programme to be recorded. The start time, end time and date are each set with the number keys on the remote control in 24-hour format. The frequency mode determines how often the TV operates this event and is set with the "◀" or "▶" keys to be either Once, Daily or Weekly.

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Name:	3.ITV 1
Start:	20:00
End:	21:00
Data:	12/05/2003
Mode:	Once

Hint

If an invalid number for the start or end times or the date is entered, "Entered time is not valid." message is displayed on the screen.

Pressing "MENU" or "SELECT" key returns to the Timer screen with the settings in place in the timer event list. The event mode is automatically set to Active and you can now return to normal viewing (press the "MENU" key) and at the appointed time the TV will switch over to the required channel and at the end of the event, switch the TV to previous channel.

When the Timer screen is displayed, any event can be set to be Inactive (so it will not occur) or the channel, times and frequency mode altered by highlighting the event's Mode button and pressing "SELECT" key as before.

You can exit the Timer screen and return to normal TV viewing by pressing "MENU" key.

Hint

If you are watching digital terrestrial TV at the time the timer event starts, a message is flashed onto the screen announcing that the TV is 'Switching to timer channel' so you understand what is happening.

Event Timer:

If timer action occurs when the TV is in stand-by mode, the TV turns on but no picture is seen and no sound is heard.

Selected digital channel will be at the Scart-2 output. The selected channel can be watched or copied via Scart-2. If timer action occurs while tv is watched, tv switches to the selected channel. When timer expires, the TV switches to the channel which it is switched from.

While watching Analog TV broadcasting, you can get Digital TV broadcasting from EXT-2. For this option you must set EXT-2 OUTPUT in Feature menu to DIGITAL MODE. (See Analog TV section - Feature menu) Start and end time of Digital TV programmes can be set in Timers menu.

While watching Digital TV broadcasting, you can get Analog TV broadcasting at that time from EXT-2. For this option you must set EXT-2 OUTPUT in Feature menu to TV. (See Analog TV section - Feature menu)

RE-INSTALLATION

Although your TV will not lose its settings or stored channels when switched off, you may wish to re-install the TV because you have moved to a different area with different broadcast frequencies, you wish to reinstate a channel previously deleted from the channel list, or you want to watch new channels which have started broadcasting.

Press the "MENU" key to display the Main Menu and using the "▲" or "▼" keys, highlight the Installation line and press "SELECT" key to display the Installation Menu.

You can either perform a First Time Installation, effectively resetting the TV to its ex-factory condition, or just search for channels.

Installation

Add New Channels ▶

Automatic Search

First Time Installation

Manual Search

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RE-SETTING THE TV

To reset the TV, highlight the First Time Installation line in the menu and press "SELECT" key. A warning screen is displayed in case of accidental operation.

Are you sure you want to delete all channels and settings for first time installations?

Yes

No

Highlight the YES button with the "◀" or "▶" key and press "SELECT" key to erase all the channels and settings and switch the TV to standby. You can now start again as detailed in Preparation - Tuning In.

ADD CHANNELS

Your TV can search for channels automatically (searching all the broadcast frequencies for free-to-air channels) or manually (searching one specified broadcast frequency only for any channels to be found there).

Press the "MENU" key to display the Main Menu and using the "▲" or "▼" keys, highlight the Installation line and press "SELECT" key to display the Installation Menu. Highlight the Add New Channels line and press "▶" key to display the options. Select Automatic Search with the "▲" or "▼" keys and press "SELECT" key. This starts the automatic tuning process as described in "Tuning In", and searches through all the available broadcast frequencies for free-to-air channels.

If, alternatively, from the search options menu the Manual Search line is highlighted and "SELECT" key pressed, the manual search screen is displayed.

Installation

Add New Channels ▶

Automatic Search

First Time Installation

Manual Search

Do you want to start automatic search?
Your previous channel list will be replaced.

Yes

No

Highlight the YES button with the “◀” or “▶” key and press “SELECT” to start the automatic search.

AUTOMATIC SEARCH

Channels:

Codec 4:3
Codec 16:9
BBC ONE
BBC TWO
BBC CHOICE
BBC NEWS 24
BBCi
BBC PARLMNT
BBC Knowledge

Searching UHF Channel: 49. Please wait. This will take a few minutes.

0 %

100 %

MENU Cancel Search

This is for searching for digital channels on a single broadcast frequency. The frequency channel number (21-68) is entered in the box at the top left of the screen and the received signal level and signal quality can be observed on the two bar graphs at the bottom. When “SELECT” key is pressed, the TV searches that frequency and display a list of the channels found. Before returning to the Installation menu.

Hint

The bar graphs of signal quality and signal level give a good indication of whether any channels are likely to be found. If only the signal level graph shows a high value then it is likely that an analogue channel occupies that broadcast frequency. If the signal quality bar is high as well then it is a digital frequency and digital channels will probably be found.

Again, channels which duplicate those already in the channel list are ignored. However, the manual channel search will find all channels on the broadcast frequency.

When either search is finished, press the “MENU” key to return to normal broadcast viewing, to watch the new digital terrestrial television channels found.

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HINT

Depending on the reception conditions in your particular area, you may find that the list of channels found includes one or more repeated names. This is because the IDTV may detect and store some channels, including those it cannot receive clearly, from adjacent areas alongside the strong channels from a transmitter nearby. This is not a problem and the weaker channels can be deleted from the IDTV later.

If no digital terrestrial television broadcasts are found the IDTV will display a message:



Press "SELECT" key to install channels. If no channel is found, you should then refer to the Troubleshooter Guide to establish the cause of the problem.

When you have finished watching digital terrestrial TV, you may wish to switch the IDTV to standby to save power - even when the television is turned off, without harm to the television or itself. The IDTV is returned to standby by pressing the [POWER] key on the remote control handset.

Hint

In standby, the TV still consumes power and thereby contributes to air and water pollution and the exhaustion of the World's natural resources. Overnight, or when your IDTV is not going to be used for long periods of time, you can turn it off at the mains and this will save energy (and save you money). You will not have to re-install the IDTV when it is turned on again.

COMMON INTERFACE MENU

Common Interface Menu is entered from the Main Menu when the Common Interface button is selected by the user. Just after the selection, a new menu appears on the TV including the names of the common interface modules inserted to the slots. If there is no module inserted into the slots, common interface button on the main menu is disabled by the system. The MediaGuard names are selected for demonstration so you may see different names on this Common Interface menu. Our IDTV has two slots for insertion of modules, however you can see up to two names of modules in this menu option.



Figure 1. Common Interface Menu with modules inserted into the slots.

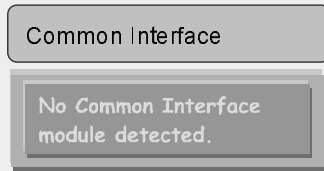


Figure 2. Common Interface without any module inserted.

The user can choose one of the buttons to enter that module's menu. The buttons and the information seen on the screen come from the common interface module and the user can navigate among the buttons by using the "▲"/"▼" buttons of the remote control device.

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Profile1 Modules display three types of items on the TV monitor.

1) Module Menu (Figure 4)

2) Inquiry Box (Figure 6)

One of them is the Module Menu as you can see an example of this type in Figure 4. Also the common interface module can display a list of items (channel list, subscription information, module information etc.) and an inquiry message for pin control, changing module ratings etc. You can see List box and Inquiry box taken from the Viaccess module. This section can only demonstrate a few of the modules' information and for each of the module you want to use, you will see different names, buttons, lists, menus, etc.

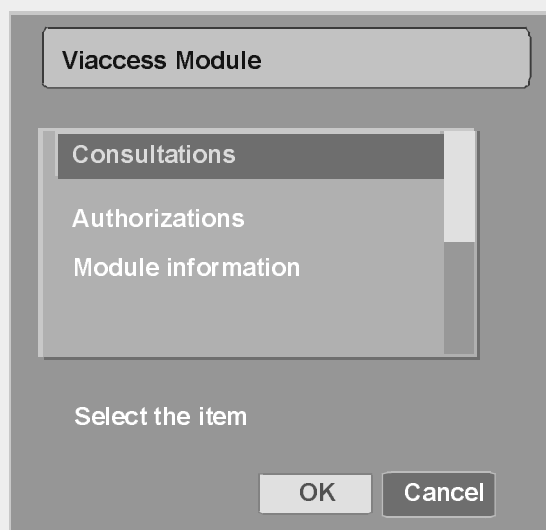


Figure 4. Module Menu (this menu is identical for the Viaccess Common Interface Module)

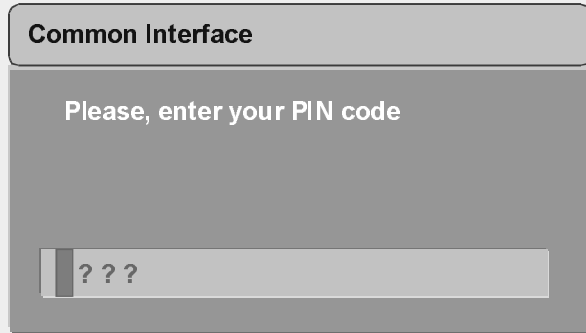


Figure 6. Module Inquiry (this list is identical for the Viaccess Common Interface Module)

LANGUAGE

Digital terrestrial television channels can broadcast simultaneous soundtracks in more than one language. This function selects which language soundtrack you will hear when switching to a channel broadcasting with multiple soundtracks.

The Language menu screen is accessed from the Main Menu. Press the "MENU" key to display the Main Menu and the "▼" key to highlight Language, then press "SELECT" to display the Language menu screen.

Then, using the "▲" or "▼" keys on the remote control, make sure that the selected language is highlighted in yellow and press the "SELECT" key, to change the language.

Return to the Main Menu by pressing the "MENU" key.

TV SETUP:

To be able to go through TV menu functions, you can use this item.

The digital TV setup menu screen is accessed from the main menu. Press the "MENU" key to display the main menu and use the "▼" key to highlight TV Setup, press "SELECT" key to display TV Setup menu screen.

ANALOGUE TV

Operating the TV

You can operate your TV both using the remote control handset and onset buttons.

Operating with the onset buttons

Volume setting and programme selection can be made using the buttons on the front of the TV.

Volume Setting

- Press “-” button to decrease volume or “+” button to increase volume.

Programme Selecting

- Press “P/CH+” button to select the next programme or “-P/CH” button to select the previous programme.

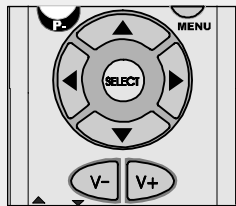
Entering Main Menu

- Press “MENU” button to enter the MENU. In the MENU select the sub-menus using “-P/Ch” or “P/Ch+” buttons and enter the sub-menus using “-” or “+” buttons.

Operating with Remote Control

Volume Setting

Press “V+” button to increase volume. Press “V-” button to decrease volume.



Programme Selecting (Previous or next programme)

- Press “P -” button to select the previous programme.
- Press “P+” button to select the next programme.



Programme Selecting (direct access):

Press digit buttons on the remote control handset to select programmes between 0 and 9. TV will switch to the selected programme. To select programmes between 10 - 99, you must use the double digit button “- -”.

P - - this OSD is displayed at the left hand upper on the screen.

After then, press the digit buttons consecutively for the programme you want to select (eg. for programme 27, first press 2 and then 7).

Programme Swapping

- Press “P<P” (programme swap) button to select the last selected programme. This button provides swapping between last two selected programmes. For example, select programme 8, then select programme 2. Now, if you press “P<P” button, programme 8 will be selected. If you press the same button again, programme 2 will be selected and so on.

ANALOGUE TV

menu system

Menu System

Your TV has been designed with a menu system, enabling you to control the TV by choosing the commands, which are displayed on the screen.

Press the "MENU" button. The MENU will be displayed in the middle on the screen.

All the selected items in this menu system are indicated with HIGHLIGHTED characters.



To select a sub-menu use "▲" or "▼" button, and press "◀" or "▶" button. Each option can also be selected with the coloured button and "INFO" button on the remote control.

MENU

For a quick way to enter the menus, press :

"MENU" Button, Menu.

Red Button, Sound Menu.

Green Button, Picture Menu.

Yellow Button, Feature Menu.

Blue Button, Install Menu.

"INFO" Button, Program Menu.

Sound Menu

To change sound settings

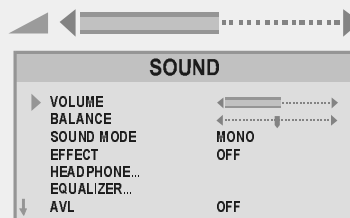
- Enter the Sound Menu directly, pressing the Red button or,
- As you enter the MENU, sound will be the first selected option. In the MENU, select SOUND using "▲" or "▼" button, then enter the sound menu pressing "◀", "▶" or "SELECT" button.

Setting Volume

As you enter the sound menu, Volume will be the first selected option.

- Press "▶" button to increase volume.
- Press "◀" button to decrease volume.

Or you can directly change the volume settings using "V+" (to increase) or "V-" (to decrease) button.

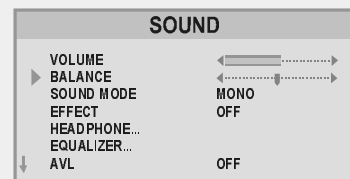


Setting Balance

It allows adjusting the distribution between the left and right speakers.

- Using "▲" or "▼" button select Balance.
- Press "▶" button to change balance rightward.
- Press "◀" button to change balance leftward.

When balance control is in mid position, the cursor is displayed with the two reciprocal arrows.



Selecting Sound Mode

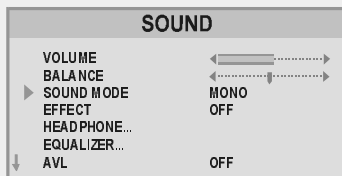
- Using "▲" or "▼" button select Mode.
- Press "◀" or "▶" button to change Mode.

You can select MONO, STEREO, DUAL-I or DUAL-II mode, only if the selected channel supports that mode.

You can also change sound mode directly pressing "I-II" button on your remote control.

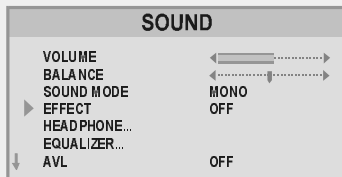
ANALOGUE TV

menu system



Setting Effect

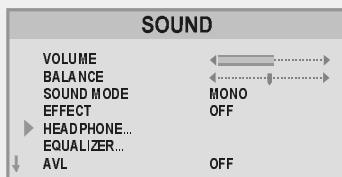
You can use this feature to switch ON and OFF sound effect. Pressing “◀” or “▶” button will turn on or off this feature. If the current sound system is Mono and the sound effect is set ON, then the sound will be heard as if it is Stereo. If the current sound system is Stereo, switching this effect on will make the sound deeper. Switching it off will make no change in Mono and Stereo.



In case of bilingual broadcast (Dual Sound), you can select original or dubbed language using mode option.

To Change Headphone Sound Settings

Pressing “▲” or “▼” button on Headphone, enter the Headphone menu. This is a sub-menu of Sound menu, and all options in this menu are working as the same in the Sound menu.



Setting Headphone Volume

- As you enter the Headphone sound menu, Volume will be the first selected option.
- Press “▶” button to increase volume.
- Press “◀” button to decrease volume.



Setting Headphone Sound Mode

- Using “▲” or “▼” button select Mode.

Pressing “◀” or “▶” button will change the current sound mode. (e.g.: If the current sound mode is stereo, it will be stereo or visa versa).

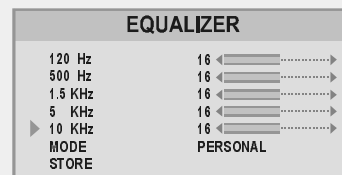
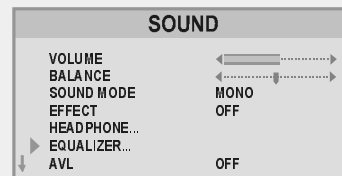
In case of bilingual broadcast, you can select original or dubbed language again using mode menu. So when somebody listens to the original language from the loudspeakers, somebody else can listen to the dubbed language from headphone.

To Store the Headphone Settings

- Using “▲” or “▼” button select Store. Press “◀” or “▶” button to store current headphone volume and balance. The stored values will be valid for all the programmes.

Equalizer

To enter Equalizer sub-menu, select Equalizer using “▲” or “▼” button, then enter Equalizer menu pressing “◀” or “▶” button.



In Mode item there are four predefined and one user defined options. These are PERSONAL, MUSIC, SPEECH, JAZZ and FLAT. The predefined options can not be changed by the user. The Personal option may be adjusted by the user.

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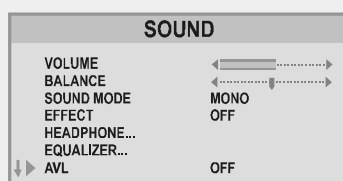
menu system

The 5 items below the Mode are available to adjust the sound settings in 5 frequency values: 120 Hz, 500 Hz, 1.5 kHz, 5 kHz and 10 kHz. To change the values of 5 frequency options, select one of the options by “▲” or “▼” button, and then press “▶” to increase the value, or “◀” to decrease the value.

To store the Equalizer settings, press “◀” or “▶” button on “STORE” option.

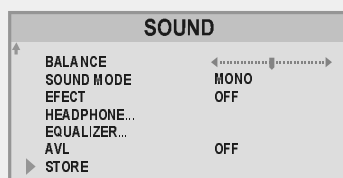
Setting AVL

Automatic Volume Limiting (AVL) function normalizes sound to obtain fixed output level between programs, having different sound levels. Pressing “◀” or “▶” button will turn ON and OFF this feature.



To Store the Settings

- Press “◀” or “▶” button on “STORE” option to store Sound menu settings.



Picture Menu

- To enter the Picture menu directly, press the “GREEN” button, or
- Press “MENU” button, now you are in MENU. In the MENU, select “PICTURE” using “▲” or “▼” button, then enter the Picture menu pressing “◀” or “▶” button.

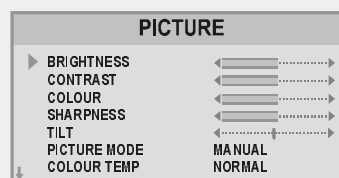


Note: When Picture Mode is not “MANUAL”, BRIGHTNESS, CONTRAST and COLOUR options can not be reached by “▲” or “▼” buttons.

Setting Brightness

You can change Brightness only when Picture Mode is selected MANUAL.

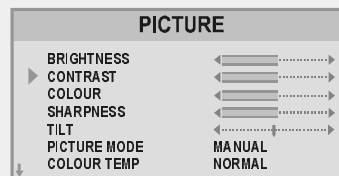
- As you enter the picture menu, Brightness will be the first selected option.
- Press “▶” button to increase brightness.
- Press “◀” button to decrease brightness.



Setting Contrast

You can change Contrast only when Picture Mode is selected MANUAL.

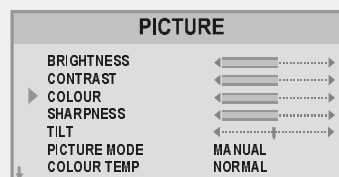
- Using “▲” or “▼” button select Contrast.
- Press “▶” button to increase contrast level.
- Press “◀” button to decrease contrast level.



Setting Colour

You can change Colour only when Picture Mode is selected MANUAL.

- Using “▲” or “▼” button select Colour.
- Press “▶” button to increase colour level.
- Press “◀” button to decrease colour level.

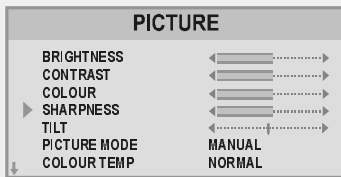


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menu system

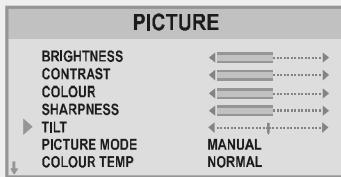
Setting Sharpness

- Using “▲” or “▼” button select Sharpness.
- Press “▶” button to increase peaking level.
- Press “◀” button to decrease peaking level.



Setting Tilt

- Using “▲” or “▼” button select Tilt.
- Press “▶” button to increase tilt level.
- Press “◀” button to decrease tilt level.

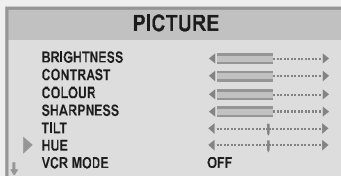


Setting Hue (in AV mode only)

(During Playback NTSC system, this will appear in AV mode only when NTSC video source is applied. Otherwise, HUE option is invisible in Picture menu.):

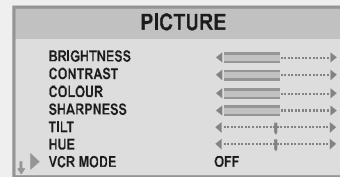
- Using “▲” or “▼” button select Hue.
- Press “▶” button to increase hue level.
- Press “◀” button to decrease hue level.

Center value is indicated with the two reciprocal arrows.



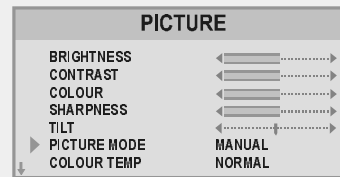
Setting VCR Mode (in AV mode only)

- Using “▲” or “▼” button select VCR Mode.
- When you watch a picture from your VCR and the picture is unstable, you may improve it by changing the "VCR MODE" setting from "ON" to "OFF".



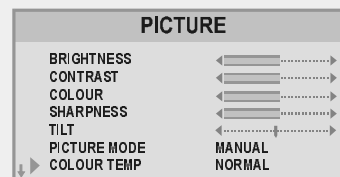
Setting Picture Mode

This item is used to change the picture mode. By pressing “◀” or “▶” button you may select one of these options: BRIGHT, STANDARD, SOFT, MANUAL.



Setting Colour Temp

This item is used to change the Colour Temperature. By pressing “◀” or “▶” button you may select one of these options: COOL, WARM, NORMAL.



Setting Zoom

You can change the screen size according to the picture aspect ratio. Select the optimum one from the following ZOOM modes.

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AUTO:

When a WSS (Wide Screen Signalling) signal, which shows the aspect ratio of the picture, is included in the broadcast signal or the signal from an external device, the TV automatically changes the ZOOM mode to 16:9 mode or 4:3 mode according to the WSS signal.

- When the AUTO mode does not function correctly due to poor WSS signal quality or when you want to change the ZOOM mode, change to another ZOOM mode manually.

Using the different screen formats

Press the “◀” or “▶” button to select the different modes: 4:3, 16:9, CINEMA, SUBTITLE, ZOOM and PANORAMIC.

You can also access these settings with “EX” button.

4:3

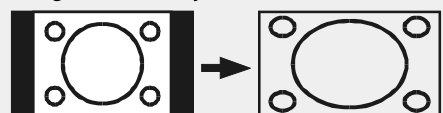
The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture. The picture may be progressively enlarged using the “▲” or “▼” buttons.



16:9

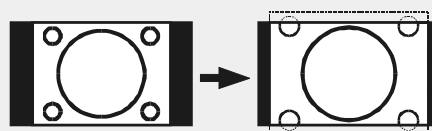
This mode restores the correct proportions of pictures transmitted in 16:9 using full screen display.

Note: If you display a 4:3 picture in this mode, it will be enlarged horizontally.



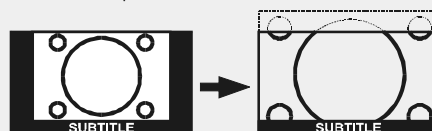
CINEMA

The picture is enlarged to CINEMA format, a thin black band remains on both sides of the picture. The “▲” or “▼” buttons allow you to compress and move the image vertically to view the top or bottom of the picture (subtitles).



SUBTITLE

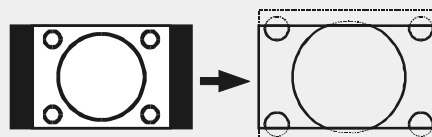
This mode is used to display 4:3 pictures using the full surface of the screen leaving the sub-titles visible. Use the “▲” or “▼” buttons to increase or decrease the compression at the bottom of the screen.



ZOOM

The picture is enlarged to 16:9 format. This mode is recommended when displaying pictures which have black bands at the top and bottom (letterbox format).

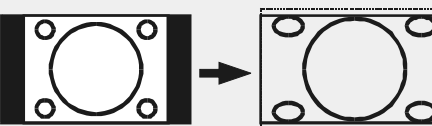
Use the “▲” or “▼” buttons if you wish to compress and move the image vertically to view the top or bottom of the picture.



PANORAMIC

This mode is used to display 4:3 pictures using the full surface of the screen by enlarging the sides of the picture.

The “▲” or “▼” keys allow you to scroll the image up or down the screen.

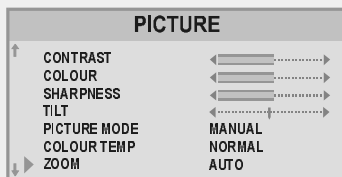


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Select the ZOOM mode:

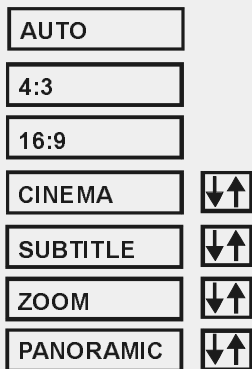
Press the “◀” or “▶” button to select a ZOOM mode.



Adjusting the visible area of the picture:

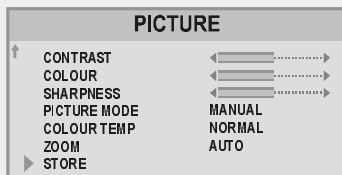
If subtitles or the top (or bottom) of the picture are cut off, you can adjust the visible area of the picture manually.

1. Press “EX” button once.
The ZOOM mode indicator appears. The ZOOM mode will not be changed.
 2. While it is displayed, press “▲” or “▼” buttons to change the position of the picture.
- You can not adjust the visible area in 4:3 or 16:9 mode.



To Store the Settings

- Press “◀” or “▶” button on STORE option to store Picture menu settings.



Feature Menu

- To enter the Feature menu directly, press the “YELLOW” button, or
- Press "MENU" button, now you are in MENU. In the MENU, select Feature using “▲” or “▼” button. Then enter the Feature menu pressing “◀” or “▶” button.



Sleep Timer

As you enter the Feature menu, Sleep Timer will be the first selected option. Use “◀” or “▶” button to change the Sleep Timer values between OFF, 10, 20, 30,, 110 and 120.

If sleep timer is activated, at the end of the selected time, the TV goes automatically to stand-by mode.



Child Lock

You can use this feature to prevent children turning on TV or changing programs or adjustments etc. without remote control.

The Child Lock feature can be set by “◀” or “▶” button to either ON or OFF. When OFF is selected, there will be no difference in the operation of your TV. When ON is selected, the TV can only be controlled by the remote control handset. In this case, the front panel buttons (except the Power On/Off button) will not work.

If Child Lock is ON, when one of the front panel buttons (except power button) is pressed, “CHILD LOCK” is seen on the screen.

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FEATURE	
SLEEP TIMER	OFF
▶ CHILD LOCK	OFF
LANGUAGE	ENGLISH
EXT-2 OUTPUT	TV
BLUE BACKGROUND	OFF

Selecting Menu Language

Menu language can be selected by pressing “◀” or “▶” button on Language item.

FEATURE	
SLEEP TIMER	OFF
CHILD LOCK	OFF
▶ LANGUAGE	ENGLISH
EXT-2 OUTPUT	TV
BLUE BACKGROUND	OFF

EXT-2 Output

From EXT-2 Output, either TV, EXT-1, F-AV or DIGITAL MODE can be given. TV, EXT-1, F-AV or DIGITAL MODE can be selected by pressing “◀” or “▶” button on "EXT-2 OUTPUT".

FEATURE	
SLEEP TIMER	OFF
CHILD LOCK	OFF
LANGUAGE	ENGLISH
▶ EXT-2 OUTPUT	TV
BLUE BACKGROUND	OFF

Blue Background During No-Signal

In case, no valid signal is detected (in TV or AV mode) Blue Background is activated. During search process Blue Background is not active. But instead of it there is another feature given; the semi-transparent menu background is made blue.

The Blue Background feature can be set by “◀” or “▶” button to either On or Off.

FEATURE	
SLEEP TIMER	OFF
CHILD LOCK	OFF
LANGUAGE	ENGLISH
EXT-2 OUTPUT	TV
▶ BLUE BACKGROUND	OFF

To Store Settings

In Feature menu all settings are stored automatically.

Installation Menu

- To enter the Install menu directly, press the BLUE button, or
- Press “MENU” button, now you are in MENU. In the MENU, select “Install” using “▲” or “▼” button. Then enter the Install menu pressing “◀” or “▶” button.

TV SETUP	
SOUND...	
PICTURE...	
FEATURE...	
▶ INSTALL...	
PROGRAM...	

Selecting Programme

To select programme number, you can use “◀” or “▶” button, Digit Buttons or The Double Digit button with digit buttons.

INSTALL	
▶ PROGRAMME	P4
TUNING MODE	CHANNEL
BAND	S
CHANNEL	6
COLOUR SYSTEM	AUTO
FINE TUNING	◀-----▶
SEARCH	◀-----▶

Tuning Mode

Selecting Channel

- Press “▲” or “▼” button to select “Tuning Mode”. By pressing “◀” or “▶” button, you can select the mode in which you want the search to be made, “Channel” mode or “Frequency” mode.

When you select “Channel” the display of the Tuning Menu will be as below :

INSTALL	
▶ PROGRAMME	P4
TUNING MODE	CHANNEL
BAND	S
CHANNEL	6
COLOUR SYSTEM	AUTO
FINE TUNING	◀-----▶
SEARCH	◀-----▶

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Selecting Band

BAND, can be selected either,

- “C” or “S” by “◀” or “▶” button.

For band C,

01 - 83, WEST EUROPE.

01 - 12, 21 - 69, EAST EUROPE .

01 - 17, 21 - 73, UK.

01 - 76, FRANCE.

04 - 09, FRANCE 2.

For band S,

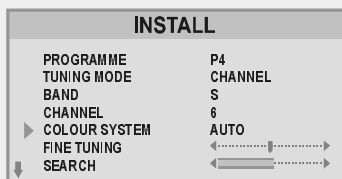
01 - 41, for all channel tables.

Selecting Channel

CHANNEL can be changed by “◀” or “▶” button, by Digit Buttons or by the Double Digit button with digit buttons.

Selecting Colour System

This item is used to change the colour system. If the picture is not clear or no colour appears, select the correct colour system to display the picture normally. When the TV is in TV mode; by pressing “◀” or “▶” button you may select one of these options: AUTO, PAL, SECAM. When the TV is in AV mode; you may select one of these options: AUTO, PAL, SECAM, NTSC 3.58, NTSC 4.43.



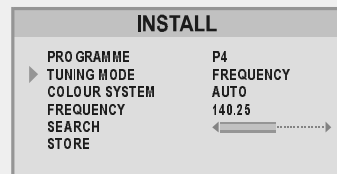
Selecting Fine Tuning

You can use the Fine Tuning process for fine adjustment (after coarse adjustment), if you are not happy about the image on the screen.

Use “◀” or “▶” button on FINE TUNING item, until getting the best image on the screen.

Selecting Frequency

- When you select “Frequency”, the display of the Tuning menu will be as below :



The frequency value is,

- 040 - 900 MHz for band VHF1 - VHF3 - UHF.

FREQUENCY can be changed by “◀” or “▶” buttons.

Selecting Search

To start the search process, press “▶” button for forward search or “◀” button for backward search. Search item bar blinks during search process, up to the process is stopped or signal is found. To stop the search process “◀” or “▶” button must be pressed again.

To Store Settings

Press “◀” or “▶” button on STORE option to store Install menu settings.

Program Menu

- Press “MENU” button, to enter the TV SETUP menu.



Select “PROGRAM” using “▲” or “▼” button. Then enter the Program menu pressing “◀” or “▶” button.

PROGRAM		
01 C 12	11 ----	21 ----
02 C 23	12 ----	22 ----
03 C 45	13 ----	23 ----
04 C 47	14 ----	24 ----
05 C 50	15 ----	25 ----
06 C 55	16 ----	26 ----
07 ----	17 ----	27 ----
08 ----	18 ----	28 ----
09 ----	19 ----	29 ----
10 ----	20 ----	30 ----
NAME	INSERT	
DELETE	AUTOSTORE	

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manually tuning the TV / other features

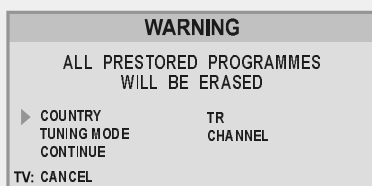
(A.P.S. (Automatic Programming System))

A.P.S. automatically tunes the analogue TV programmes on your TV, according to the transmission of programme systems in your area.

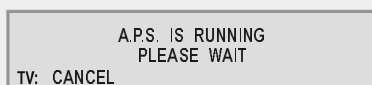
To operate this feature:

- Press "MENU" button, to enter the TV SETUP menu.
- Select "PROGRAM" menu using "▲" or "▼" button.
- Press "◀" or "▶" button to enter the "PROGRAM" menu.
- In the "PROGRAM" menu enter AUTOSTORE menu by pressing BLUE button. Here you can run A.P.S.

A warning message will appear on the screen as below :



- Select your Country, by pressing "◀" or "▶" button.
- If you want to continue, press the "▲" or "▼" buttons, to highlight Tuning Mode and select the mode at which your TV will run the A.P.S..
- If you select Channel Tuning Mode, A.P.S. will auto-search the Channel numbers of the stations in your area.
- If you select Frequency Tuning Mode, A.P.S. will auto-search the frequencies of the stations in your area.
- After selecting the Tuning Mode if you want to start A.P.S., press the "▲" or "▼" buttons, to highlight Continue and press "◀" or "▶" button start the A.P.S..
- When you start A.P.S. the below menu will appear on the screen.



When the APS is finished, the PROGRAM menu will appear on the screen. This menu lists the analogue TV programmes found during the tuning process. You will now need to identify and name the clearest programmes and arrange them in your preferred order. To do this please see page 9.

Other Features

Programme Swap (P<P)

This button is used to reenter to the preceding entered programme again. Pressing "P<P" consecutively allows to swap into two last entered programmes.



Sound Indicator

This is a stereo option. The alternatives of the indicator are Mono, Stereo, Dual-I and Dual-II. This indicator is displayed under the programme number indicator on the screen. "I-II" button is used to select Mono, Stereo, Dual-I or Dual-II.

In Mono broadcast or in forced-mono (for stereo broadcast).

MONO

In Stereo broadcast.

STEREO

If dual broadcast detected. Dual-I is selected in default and also can be selected after Dual-II by Remote Control.

DUAL-I

If Dual-II selected by Remote Control.

DUAL-II

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Other features

Picture Mode

The picture mode OSD is displayed below the sound indicator, by TV Status OSD's. According to the WSS data, inside of the OSD box "4:3", "16:9", "CINEMA", "SUBTITLE", "ZOOM", "PANORAMIC" or "AUTO" is written.

By pressing "⏏" (TXT_UPDATE) button (if Teletext is not active) the picture mode can be switched into 4:3, 16:9, Cinema, Subtitle, Zoom, Panoramic or Auto Mode.

4:3

Mute Indicator

It is placed in the upper middle of the screen when enabled, and it stays there until it is disabled.



To cancel mute, press "⏏" button.

AV Modes

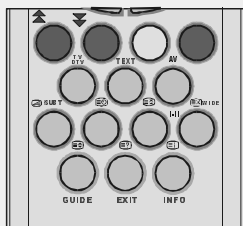
Pressing this button will switch the TV in one of the optional AV modes: EXT-1, RGB, EXT-2, EXT-2S, F-AV (Front AV). EXT-1 supports the RGB mode and EXT-2 supports SVHS mode unless there is an SVHS socket.

In order to quit the AV mode press the "TV/DTV" button.

Teletext

To operate Teletext

- Select a TV station on which Teletext is being transmitted.
- Press (TELETEXT) “TEXT” button. Usually the list of contents (index) is displayed on the screen.

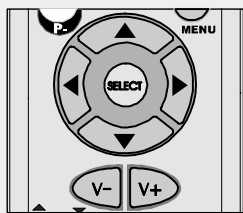


To select a page of Teletext

- Press the appropriate digit buttons for the required Teletext page number.

The selected page number is displayed at the top left corner of the screen. The Teletext page counter searches until the selected page number is located, so that the desired page is displayed on the screen.

- Press “▲” button to move the Teletext screen forward one page at a time.
- Press “▼” button to move the Teletext screen backward one page at a time.



To Select Index Page

- To select the page number of the index (generally page 100), press “100” button.

To Select Teletext with a TV Programme

- Press “TV” button. The text is now superimposed over the programme on the screen.
- Press “TEXT” button again to return to the Teletext page.

Searching for a page while watching TV

- While Teletext Mode is on, pressing “EX” will change the mode to TV, one more press to “EX” will change the mode from TV to the latest Teletext page we left. In the TV mode enter a page number using digit keys. As you enter digits first line of teletext page will appear on top screen and will remain there until the requested page is found. Then teletext line will be replaced by page number to indicate that page has been found. Now you can display this teletext page pressing “EX” button.

To Select Double Height Text

- Press “EH” button for the upper half of the information page to be displayed in double height text.
- Press “EH” button again for the lower half of the information page to be displayed in double height text.
- Press “EH” button once more for the full page of normal height text.

To Reveal “concealed” Information

- Pressing “EQ?” button once will reveal answers on a quiz or games page.
- Pressing “EQ?” button again will conceal the revealed answers.

To Stop Automatic Page Change

The teletext page you have selected may contain more information than what is on the screen; the rest of the information will be displayed after a period of time.

- Press “EX” button to stop the automatic page change.
- Press “EX” button again to allow the next page to be displayed.

To Select a Subcode Page

Subcode pages are subsections of long Teletext pages that can only be displayed on the screen one section at a time.

- Select the required Teletext page.
- Press “EQ” button.
- Select the required subcode page number by pressing four digit buttons (e.g. 0001).

Teletext

- If the selected subcode page is not displayed in a short time, press “EXIT” button. TV programme will be displayed on the screen.
- Teletext page number will be displayed on the upper left corner of the screen when the selected page is found.
- Press “EXIT” button to display the selected Teletext page.

Fasttext

Your CTV supports the 7 page Teletext system. When the page number of any of the 7 pages in memory is entered, the system will not search for the requested page; instead it will display the page automatically.

- Press “▲” button to move the Teletext screen forward one page at a time.
- Press “▼” button to move the Teletext screen backward one page at a time.

For Fasttext

The subject-heading for the information may have a particular colour.

- Press an appropriate RED, GREEN, YELLOW or BLUE button in order to reach the relevant page quickly.



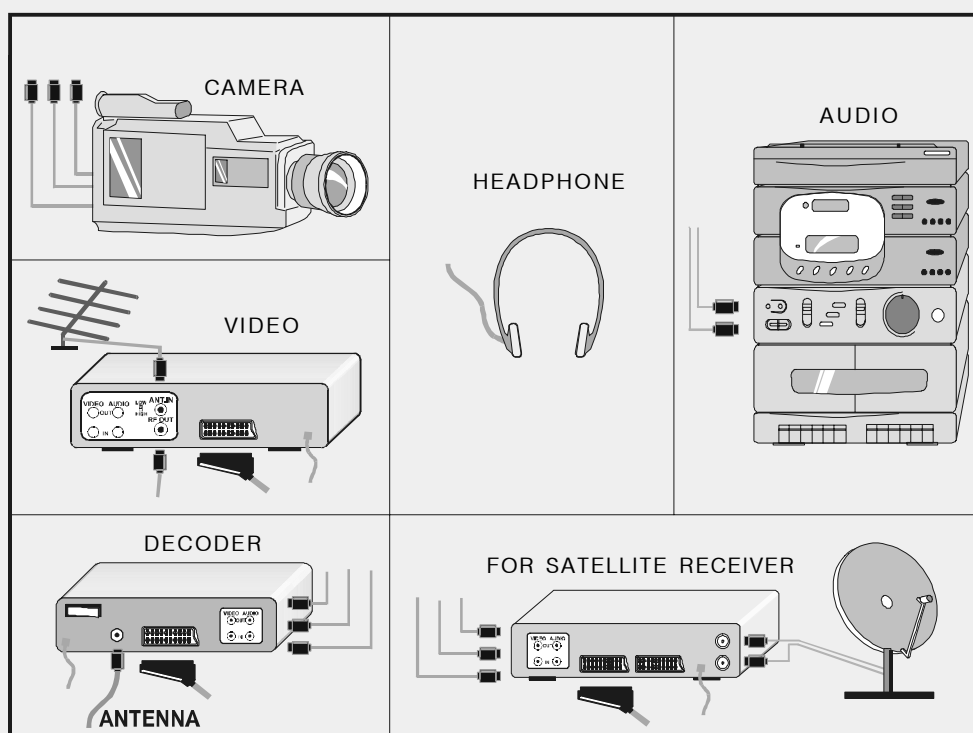
To exit Teletext

- Press “TV/DTV” button. The screen will switch to TV mode.

To Display the Time

- While watching a TV programme with Teletext transmission press “E” button. The current time information, captured from Teletext will be displayed at the upper right of the screen.
- If the programme being watched does not have Teletext transmission, no information will be displayed.

Connecting Peripheral Equipment



There is a wide range of audio and video equipment that can be connected to your TV.

The following connection diagrams show you where the different equipment should be connected at the back or the front side of the TV.

Via the Scart

Your TV set has two Scart sockets. If you want to connect peripherals (e.g. video, decoder, etc.) which have Scart, to your TV, use EXT.1 or EXT.2 inputs.

If an external device is connected via Scart sockets TV is switched to AV mode automatically. If the signal is RGB then the RGB OSD indicator is displayed on the screen.

EXT-2S Mode

If the equipment connected to your TV set supports S-Video (Y/C) output from Scart, you can have a better picture quality by selecting EXT-2S mode and connecting your equipment to the EXT.2 terminal of TV. See your equipment's booklet to check if your equipment has such feature.

RGB Mode

If you are sending RGB input (i.e. via DVD etc.) to your scart input, you can select the RGB mode by pressing AV button continuously.

Via Ant Input

If you want to connect to your TV, peripherals like video recorders or decoders, but the device you want to connect does not have Scart, you should connect it to the ANT input of your TV set.

If the VCR is connected via antenna input it is suggested to use the Programme 0.

Decoder

Cable TV offers you a wide choice of programs. Most of them are free, others are to be paid for by the viewer. This means that you will need to subscribe to the broadcasting organisation whose programmes you wish to receive. This organisation will supply you a corresponding decoder unit to allow the programmes to be unscrambled.

For further information ask your dealer. See also the booklet supplied with your decoder.

Connecting peripheral equipment

a) Connect a decoder with an aerial socket to the TV

- Connect the aerial cable.

b) Connect a decoder without an aerial socket to the TV

- Connect the decoder to your TV with a eurocable (RCA Jack Cable) to EXT.1, EXT.2 (RCA Jack). When your decoder has a Scart / RCA Jack you can obtain better picture quality if you connect a eurocable (RCA Jack Cable) to EXTERNAL (RCA Jack).

TV and Video Recorder

- Connect the aerial cables.

Better picture quality can be obtained if you also connect a eurocable to EXTERNAL sockets.

Playback NTSC

Connect NTSC VCR player to the scart socket at the back of the TV.

Connect NTSC VCR player to RCA Jack at the front of the TV.

Then, press "AV" button to select (EXT-1, RGB, EXT-2, EXT-2S, F-AV).

Copy Facility

Source selection for VCR recording.

- Select Features Menu in the MENU.
- Select EXT-2 OUTPUT source pressing "◀" or "▶" button.
- If you want to watch a picture on 4:3 TV that is watched or recorded by using SCART-2 copy function of 16:9 TV, you should set the picture mode to 16:9.
- If you want to watch a picture on 16:9 TV that is watched or recorded by using SCART-2 copy function of 4:3 TV, you should set the picture mode to 4:3.

Search for and store the test signal of the video recorder

- Unplug the aerial cable from the aerial socket "ANT" of your video recorder.
- Switch on your TV and put the video recorder on the test signal. (See the handbook for your video recorder.)
- Enter the Install menu.
- Search for the test signal of your video recorder in the same way as you searched for and stored the TV signals. See Tuning, Search and Store TV channels. Store the test signal under programme number 0.
- Replace the aerial cable in the aerial socket "ANT" of your video recorder once you have stored the test signal.

Camera and Camcorder

To connect to Front-AV input (F-AV):

Connect your camera or camcorder at the front side of your TV.

- Connect your equipment to the TV via VIDEO (yellow), AUDIO R (red) and AUDIO L (white) inputs. You should connect the jacks to the input in the same colour.

Connecting the decoder to the video recorder

Some video recorders have a special scart socket for decoder.

- Connect a eurocable to the scart socket of your decoder and to the special scart socket of your video recorder. See also the handbook of your video recorder.
- To connect your video recorder to the TV, see TV and Video Recorder section.

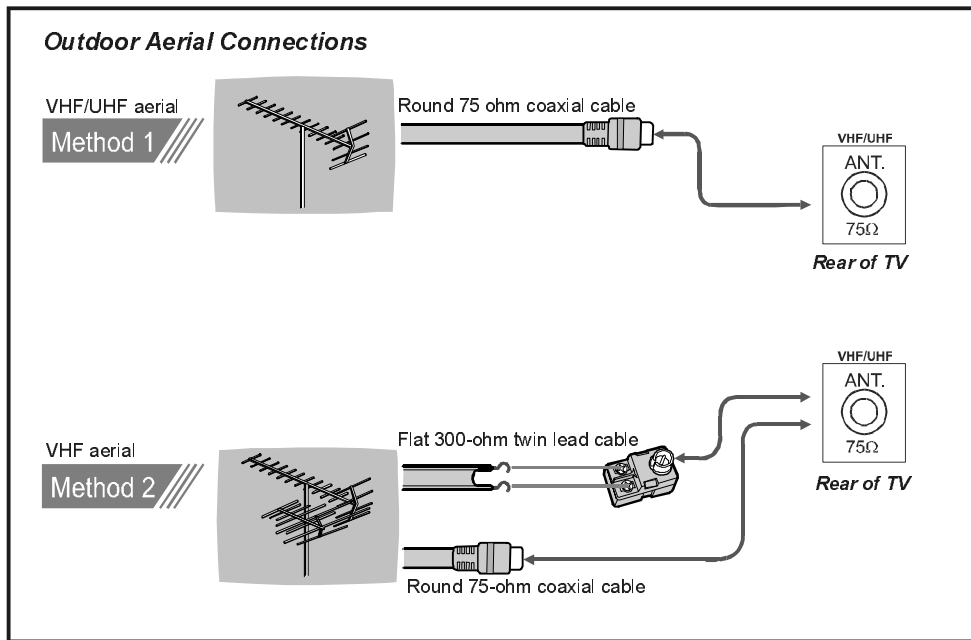
If you want to connect more equipment to your TV, consult your dealer.

Connecting Headphones

Note: To avoid damage to hearing, always take care that the volume is turned down to low before using headphones.

Use the stereo headphone socket (HP) on the lower front / right side of your TV, to connect headphones.

Aerial connections



Tips / Troubleshooting Guide

In TV mode

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Poor Picture	- Wrong TV System	- Change the direction of aerial.
	-TV set or house aerial located too close to the loudspeakers, non-earthed audio equipment or near lights.	- If two peripherals are connected to the TV at the same time, disconnect one
No Picture	- Aerial not connected properly.	- Try to press connect keys
	- Plugs not connected tightly to the aerial socket.	- Consult your service personnel.
	- Aerial cable can be damaged Plugs not suitable.	
Sound only from one speaker	- The balance can be set in one direction	- See the sound menu.

In Digital mode

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
No Signal mode	- Aerial is disconnected	- Check aerial lead
	- Aerial is damaged/misaligned	- Check aerial lead
	- Out of Signal area	- Check with dealer
No Picture or Sound	- Tuned to digital teletext channel	- Retune to another channel
Scrambled channel message	- Channel is scrambled	- Select alternative channel
Forgotten channel lock code		- Re-install channels to cancel channel lock
Forgotten menu lock code		- Contact help line

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Standby light not lit	- Mains lead unplugged	- Check mains lead
No response to remote control	- Receiver off	- Plug in and turn on receiver
	- Handset not aimed correctly	- Aim handset at front panel
	- Front panel obstructed	- Check that there is nothing in the way of the path between the remote control and the receiver
	- Handset batteries exhausted	- Replace handset batteries

No solution:

Switch your TV set off and on. If this does not work, contact the local store where you purchased your IDTV; never attempt to repair it yourself.

Specifications

TV BROADCASTING
PAL I/I'

RECEIVING CHANNELS
VHF (BAND I/III)
UHF (BAND U)
HYPERBAND
CABLE TV (S1-S20/ S21-S41)

NUMBER OF PRESET CHANNELS 100

CHANNEL INDICATOR
On Screen Display

RF AERIAL INPUT
75 Ohm (unbalanced)

OPERATING VOLTAGE
230-240 V AC, 50 Hz.

AUDIO OUTPUT
Nicam Stereo

AUDIO OUTPUT POWER (W_{RMS})
(%10 THD)
2x 10

POWER CONSUMPTION (W) (max.)
136

PICTURE TUBE
28" 16:9 (70 cm)

DIMENSIONS (mm)

D	L	H	Weight (kg)
486	805	495	41

Cleaning the Screen

Clean the screen with a soft cotton cloth. Only use a weak solution of soapsuds or alcohol to moisten the cloth. Rub the surface gently with the cloth until the surface is completely dry.

Under no circumstances...

- may the screen be wiped with conventional glass cleaning fluid.
- may the screen be brought into contact with abrasive materials.
- may soiling be removed by polishing or scouring.

To clean off sticky substances, the cloth can be moistened with acetone.

Under no circumstances use the acetone cloth to clean the TV-Cabinet.



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