

THE WORLD OF CD-i
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philips CD-i Backup Guide

(Created in 2004 updated in 2007)

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1. Introduction

CD-i Software & Hardware isn't copy-protected. **All** CD-i titles can be copied and are playable on any CD-i Player worldwide. It's possible that you might have some troubles using Backups on "low cost" console styled Players.

Note: CD-i titles are still copyrighted. Infogrames Multimedia France, parent company of Atari Group, acquired entire consumer CD-i catalogue back in 1998.

This guide is for personal backup purposes to prevent your originals from scratches and other damages. It's getting increasingly harder to replace CD-i Software.

1.1 Needed Tools

All Tools you'll need to create working Backups are Freeware or Shareware.

1.1.1 CDRWin

CDRWin is a burning Tool that creates Images in bin/cue format. This kind of Image is still the most popular.

http://www.goldenhawk.com/download_body.htm

Note: Download and install ASPI Drivers as well.

1.1.2 IsoBuster

IsoBuster is a CD and DVD data recovery tool. Use it alternatively to extract your CD-i Images. You'll be able to extract mpeg and audio files as well.

<http://www.smart-projects.net/isobusterdownload.htm>

Note: IsoBuster extracts a bin file only and won't create a cuesheet. A cuesheet is a short text file specifying the contents, order, and spacing of the extracted CD. Most burning tools incl. BlindWrite, CDRWin, EAC, Feurio!, FireBurner, Nero Burning Rom, Roxio Easy CD Creator (Disc Copier 6.1 or later) need the cuesheet.

1.1.3 DiscJuggler

DiscJuggler is a powerful Burning Tool that supports many different Image types like bin, cdi, cmi, cue, iso, nrg. Get a time- unlimited and fully-functional demo at

<http://www.padus.com/downloads/demo.php>

1.1.4 CloneCD

Use CloneCD to create Backups of CD-I Titles in CD-i Ready (Enhanced CD) format. Less than 5% are in that format. Known ones are:

- A Christmas Songbook
- Accelerator
- Alien Gate
- Beyond Limits
- Escape
- Lucky Luke
- Louis Armstrong
- More Dark Fables of Aesop
- Mozart
- Opera Imaginaire
- Pavarotti
- Steel Machine
- The Apprentice
- The Dark Fables of Aesop
- The Worlds of...

On this special type of CD-i the CD-i Data Track was stored in pause sectors preceding Track 1. That way it's possible to play a CD-i (containing both audio and data) either in a CD Audio or a CD-i Player. In fact that most Burning Tools investigate the content of a CD by using the TOC (Table of Contents), they won't recognize the hidden Data Track. Get a Trial Version at <http://www.slysoft.com/download/SetupCloneCD.exe>

2. Extract Image

2.1 CDRWin

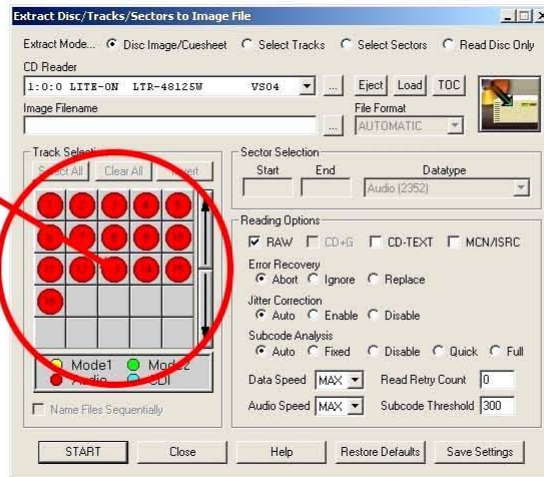
Insert a CD-i into CD drive and start CDRWin.



Extract Disc/Tracks/Sectors



Recognized Audio Tracks only and no Data Track. This is a CD-i in CD-i Ready format and CloneCD is needed to extract Image from that kind of type. (Continue with Chapter 4)



Usual CD-i filesystem

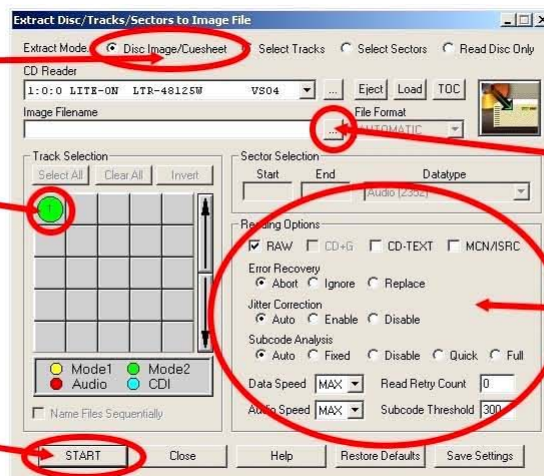
3. Select Extract Mode

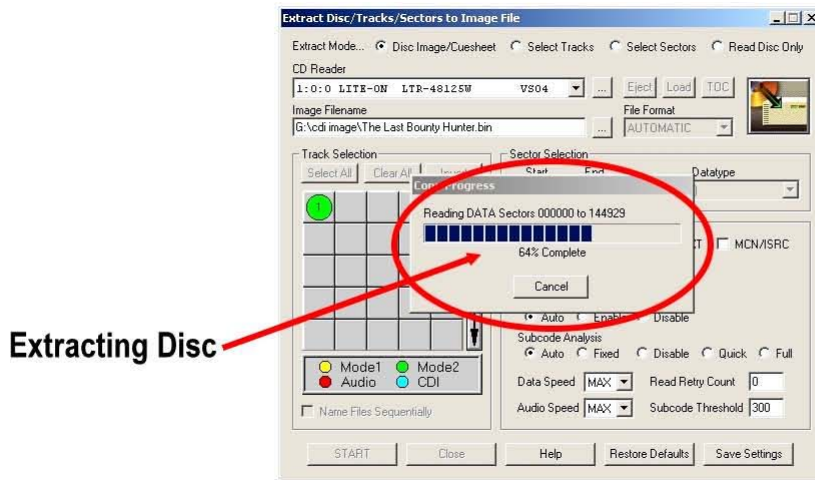
Data Track recognized

2. Select destination and name of Image

Use default settings

4.



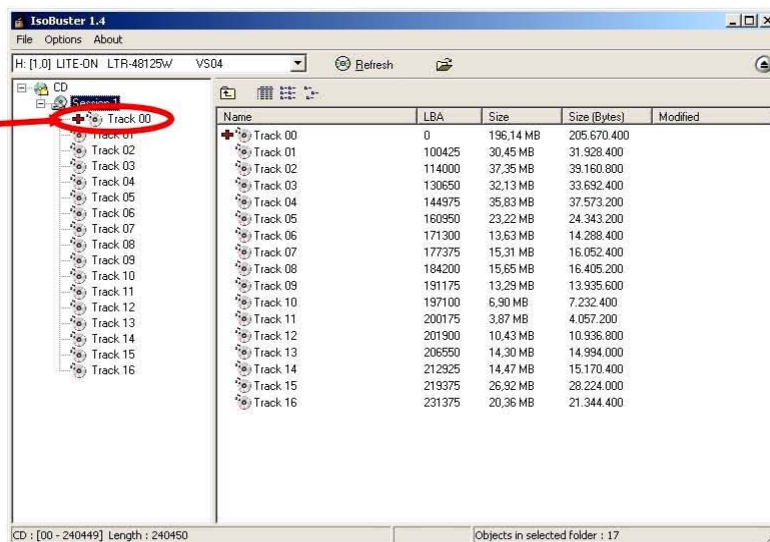


2.2 IsoBuster

Use IsoBuster alternatively to extract a CD-i Image.

Insert a CD-i into CD drive and start IsoBuster.

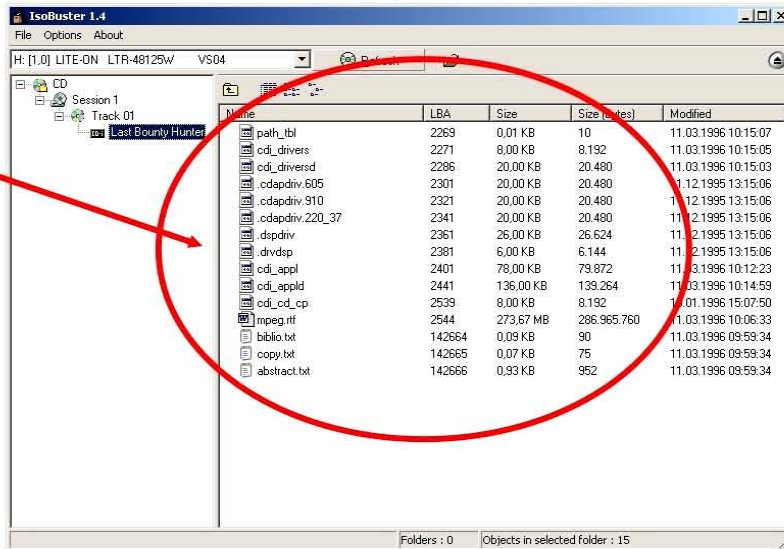
Track00 indicates hidden Data Track in Pregap. This is a CD-i in CD-i Ready format and CloneCD is needed to extract image from that kind of type. (Continue with Chapter 4)



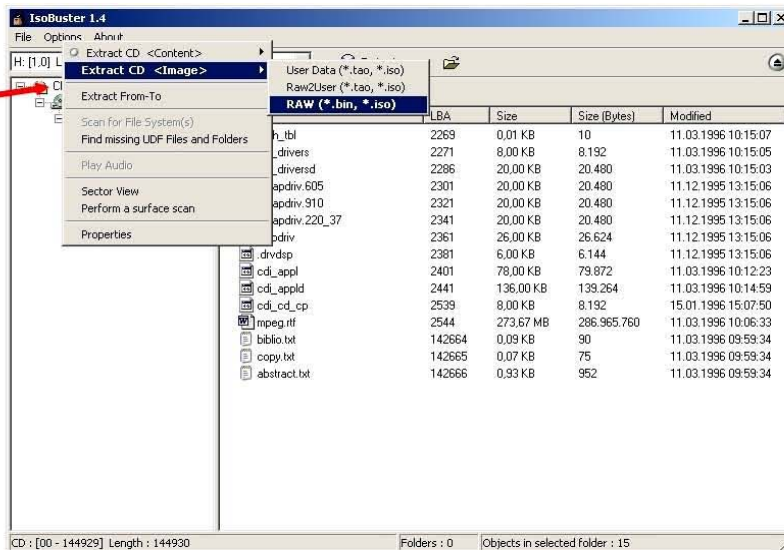
Usual CD-i filesystem



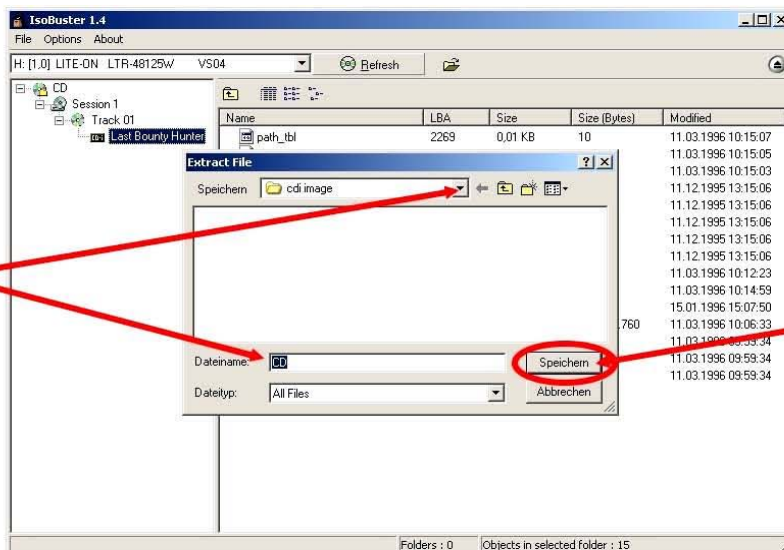
Usual CD-i filesystem
without Audio Tracks



1.
Use mouse button #2
to open menu and
extract CD-i Image
RAW(*.bin, *.iso).



2.
Select destination
and
name of Image file

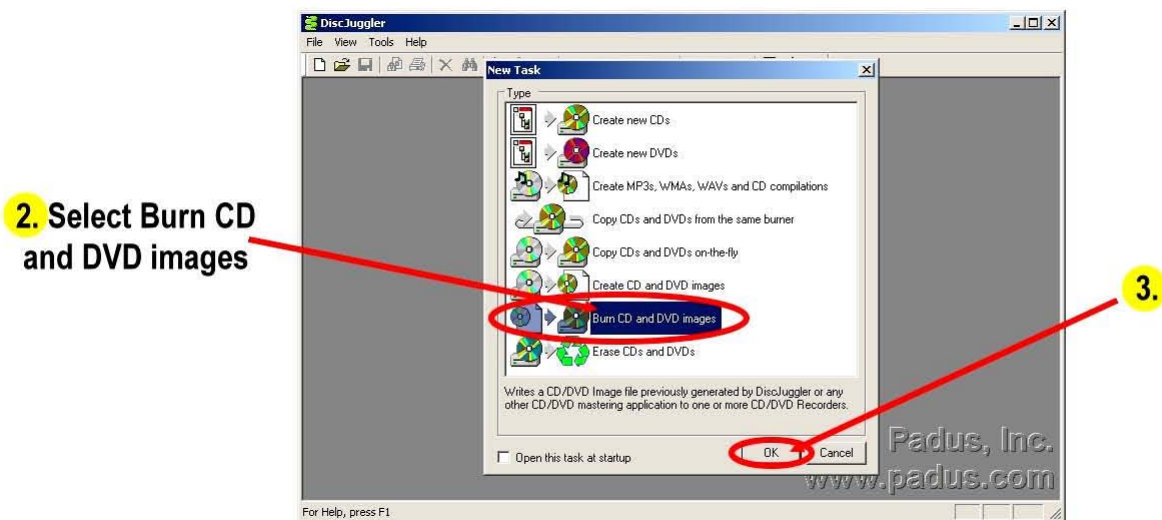
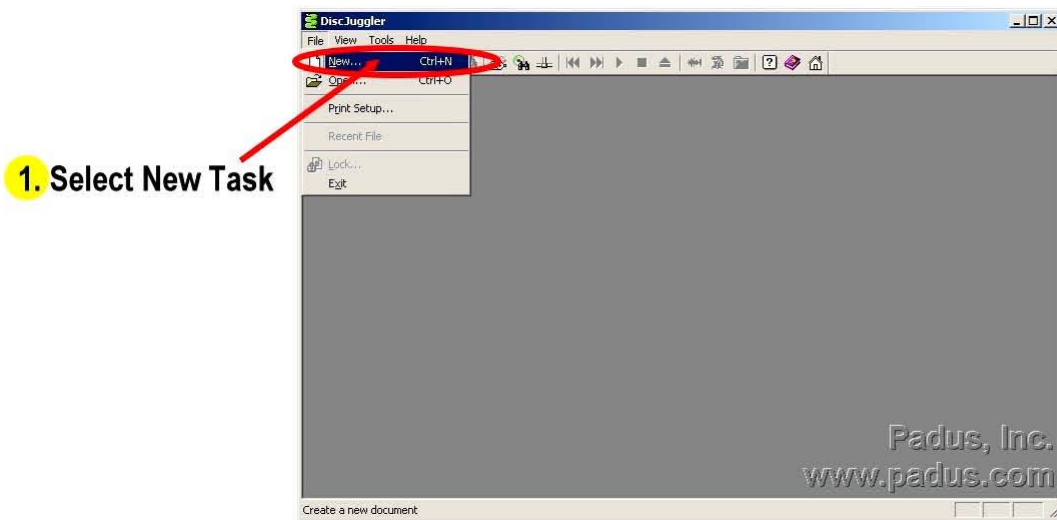


3. Burn Image

You've to create the missing cue file by yourself if you're using IsoBuster to extract Image and your burning tool aren't able to handle bin only. Use DiscJuggler, which is able to burn bin only, before wasting time on Cuesheet editing.

3.1 DiscJuggler

Input CD-R into your CD-Burner and start DiscJuggler.





4. Select Source of Image file

5. Search all files, otherwise you won't find bin file

6.



No Advanced settings necessary. Detecting original name of CD-i title.

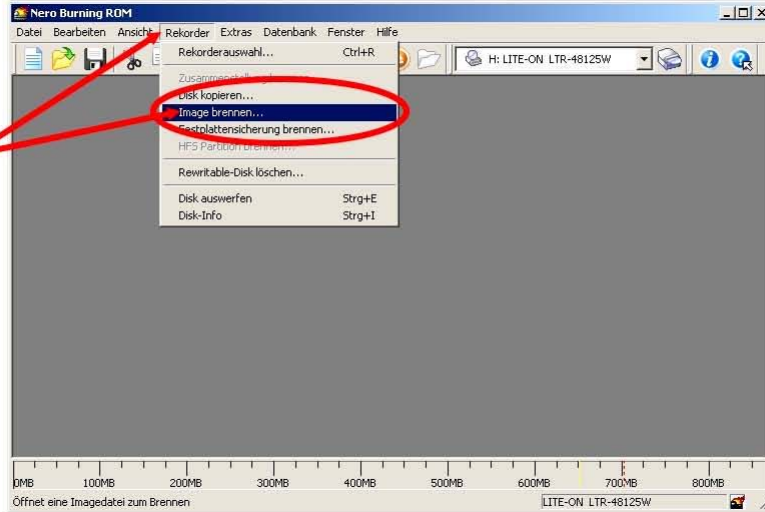
7. Set writing speed

8.

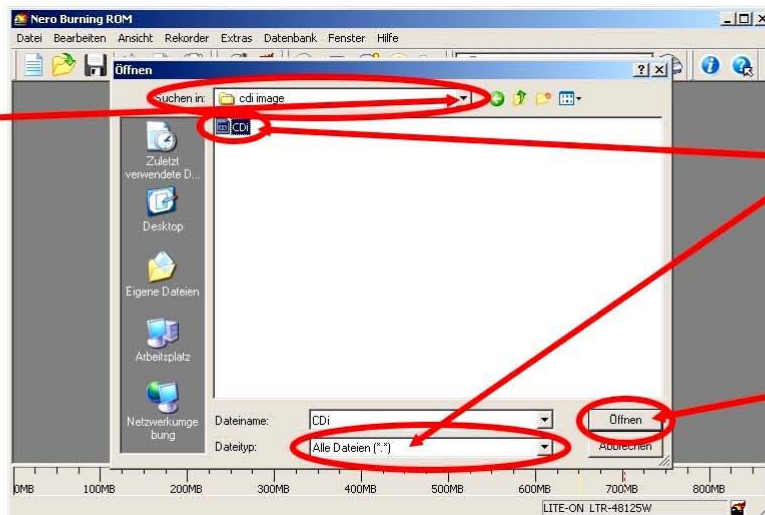
3.2 Nero Burning Rom

Input CD-R into CD-Burner and start Nero Burning Rom

1. Select Recorder and Burn Image

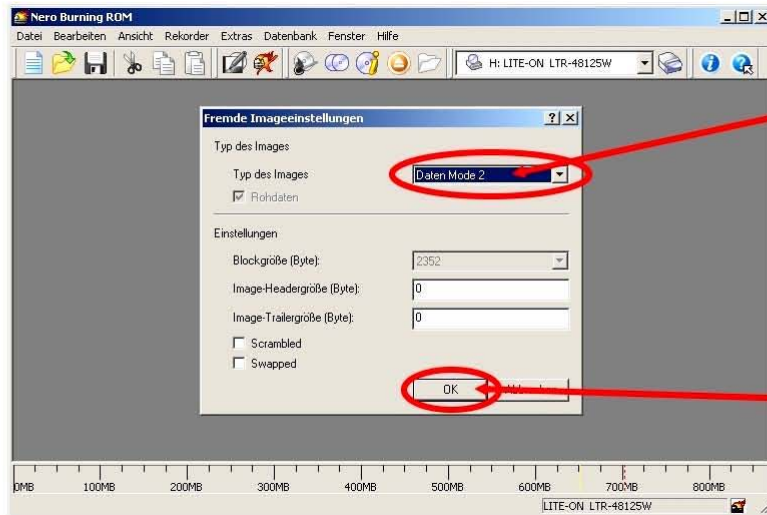


2. Select source of Image file



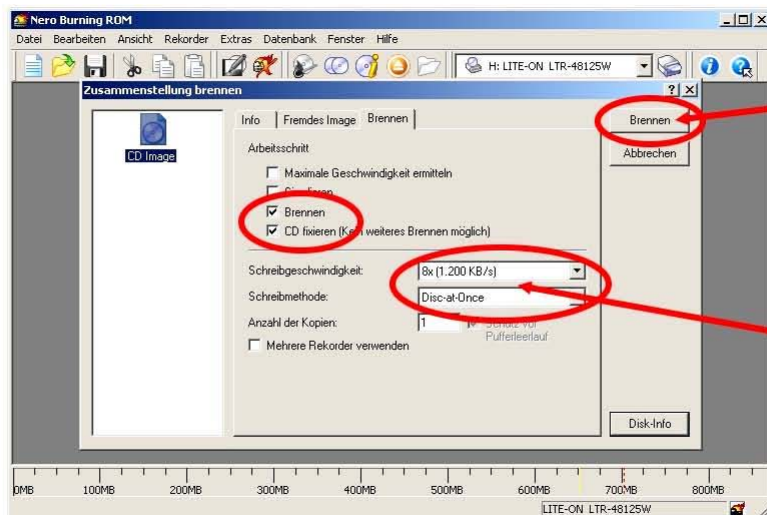
3. Search all files.
Otherwise you
won't find bin file!

4.



5. Nero Burning Rom won't recognize image type automatically. Select Data Mode 2!

6.



8.

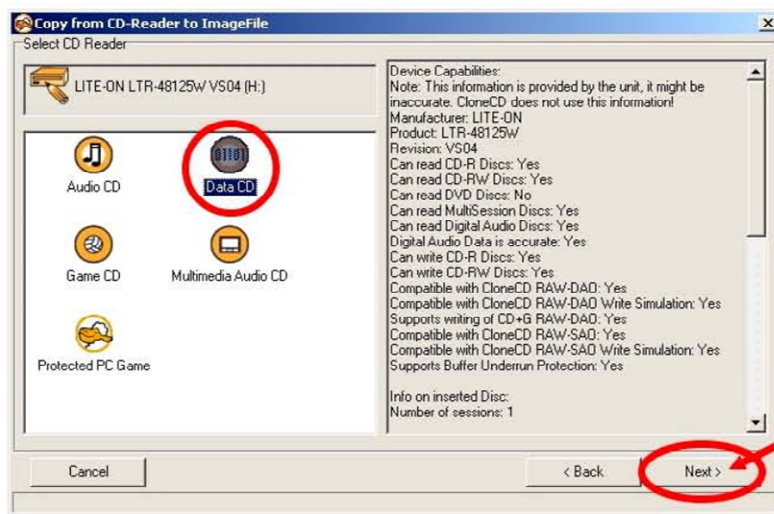
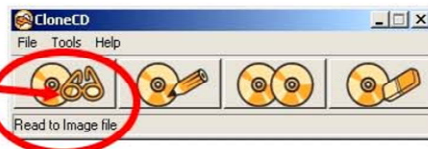
7. Set burning speed and method

4. Extract and Burn CD-i Ready

4.1 Extract CD-I Ready

Insert CD-I into CD drive and start CloneCD.

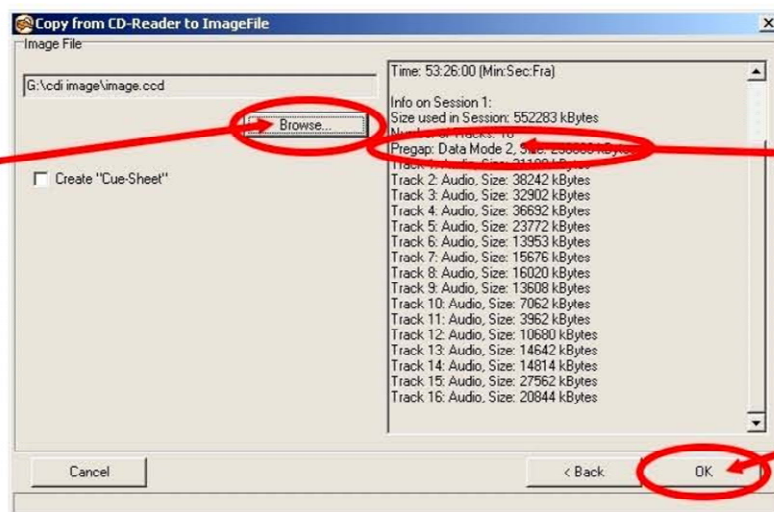
1. Read to Image file



2.



3. Select Image destination

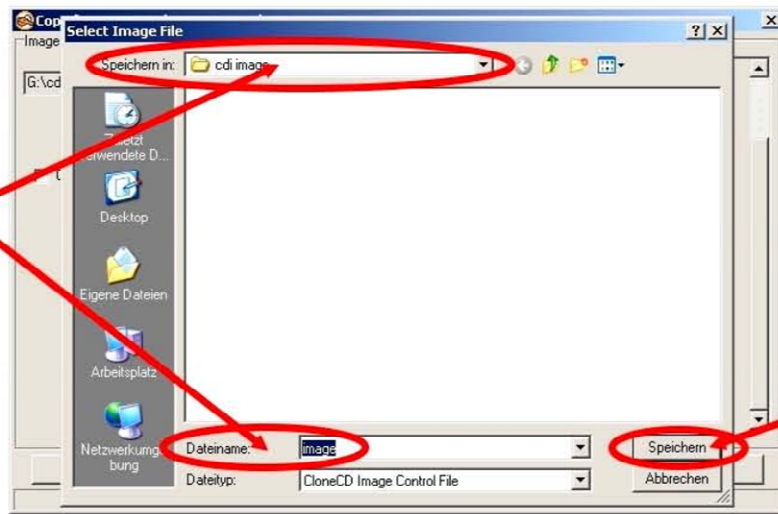


Recognized Pregap
incl. Data Track

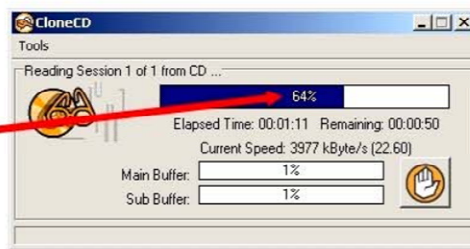
5.



3. Select Image destination and name



Extracting Disc



4.2 Burn CD-I Ready

Insert CD-R into CD-Burner and start CloneCD.

1. Write from Image file



2. Select Image source

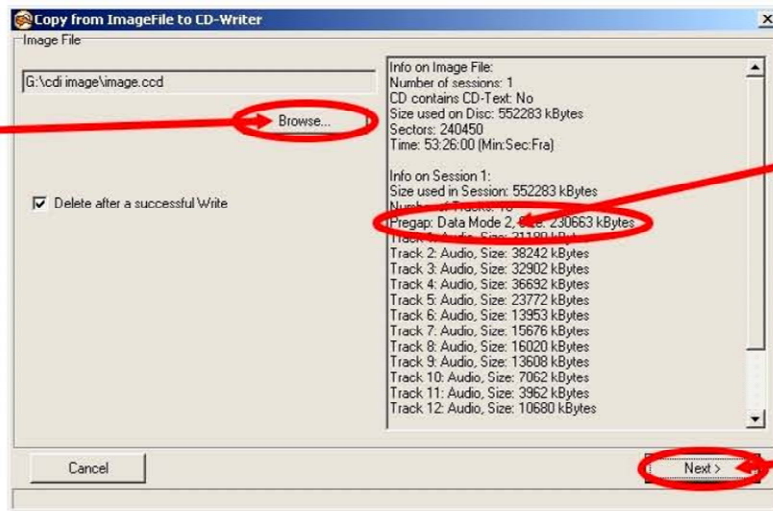
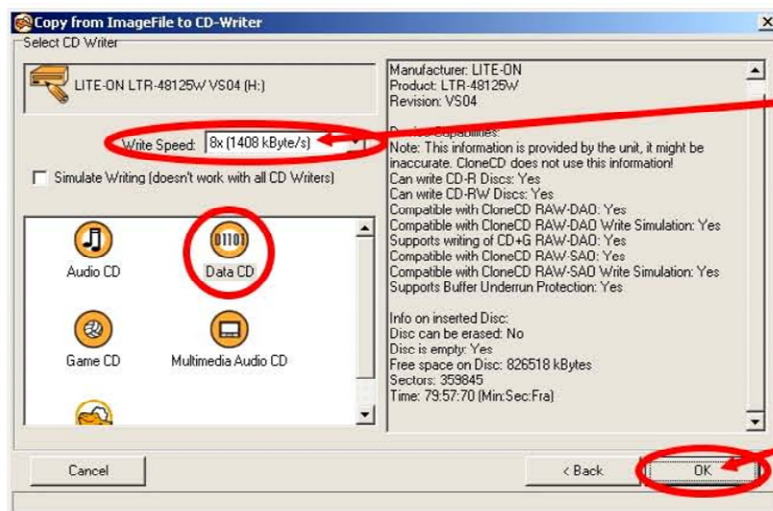


Image incl. Pregap

3.



4. Set Write Speed

5.