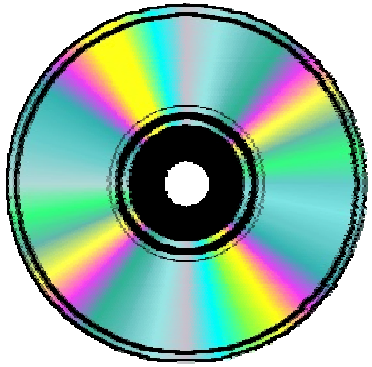
Alberta Family Histories Society

Genealogy Computer Group

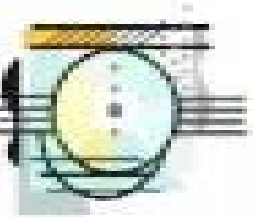
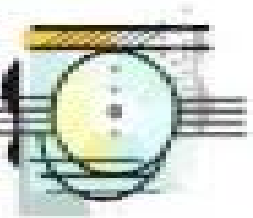
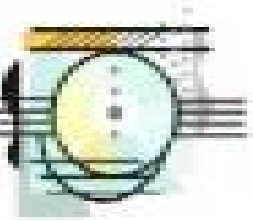
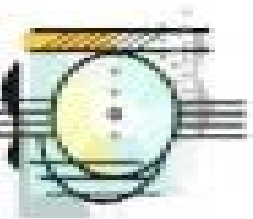
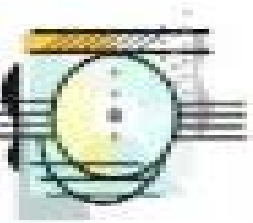
Burning Your Own CD's



Presented by:

Gord Hulbert

12 October 2002

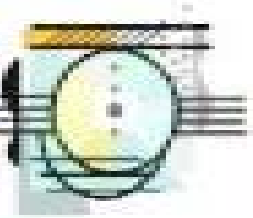
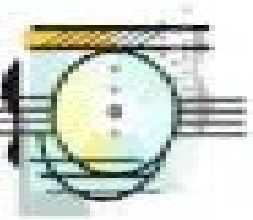
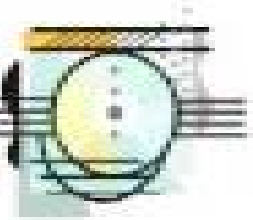
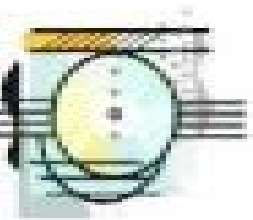
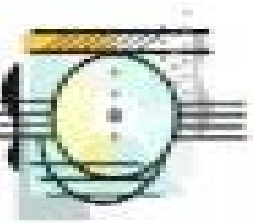






Agenda

- Software
- Hardware
- Futures

Update

LG
32x10x40 Internal
CD-RW Drive
• 32x write, 10x re-write, 40x read speed
• 8MB data buffer with Superlink buffer underrun protection
• 1 year warranty
WebID: 10012815
LG
CD-ReWriter
HIGH SPEED
32X 10X 40X
Free
Black face plate with purchase ($5 Value)
89.99
AFTER REBATE
$139.99 - $40 Mail-in Rebate
- $10 Instant Rebate = $89.99

Software

- **Roxio (nee Adaptec)**

http://www.roxio.com/en/products/ecdc/index.jhtml

- **Nero**

http://www.nero.com/en/index.html#root

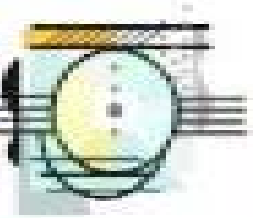
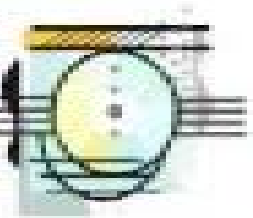
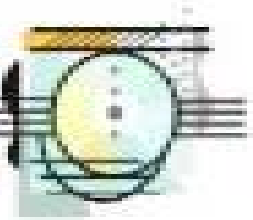
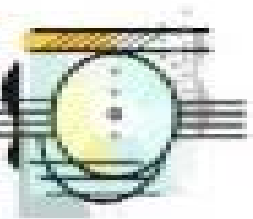
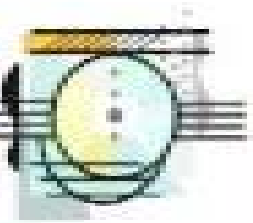
Hardware

Types of Compact Disks

CD or CD-ROM (Read Only Memory)

The most common types of *compact discs* are CD's used in the *music industry* to store digital recordings and CD-ROM's used to store *computer data*. A CD-ROM can hold up to 700 MB of data (80 minutes) which is equivalent to over 750 floppy disks.

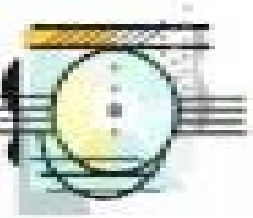
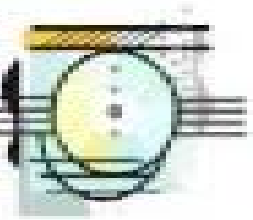
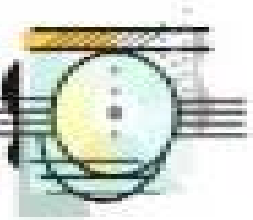
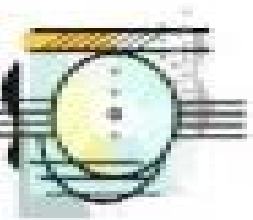
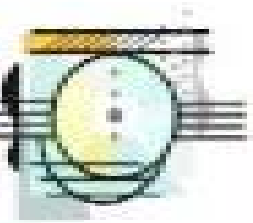
(Cont.)

CD-R (Recordable)

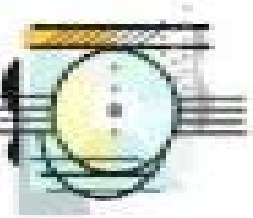
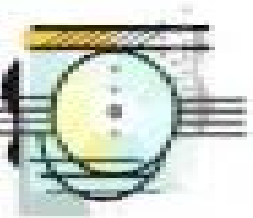
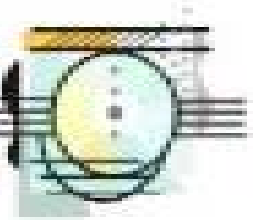
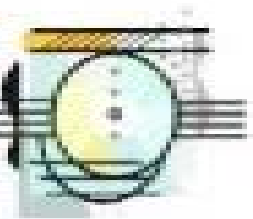
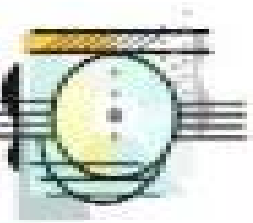
A CD-R uses WORM (***w****rite* ***o****nce,* ***r****ead* ***m****any)* technology which allows a user to write ("burn") a CD-ROM or an audio CD. With sufficient knowledge, multisession recordings can be made. A user must not only own a CD-RW drive, but must also own the proper software (ie: Adaptec's Easy CD Creator).

(Cont.)

CR-RW (Read-Write)

CD-RW media can now be used in newer MultiRead CD-ROM's. You *cannot* play CD-RW in most home or car stereo CD players. However, CD-RW's can be played on some DVD players. Useful for storing large amounts of data which may require updating.

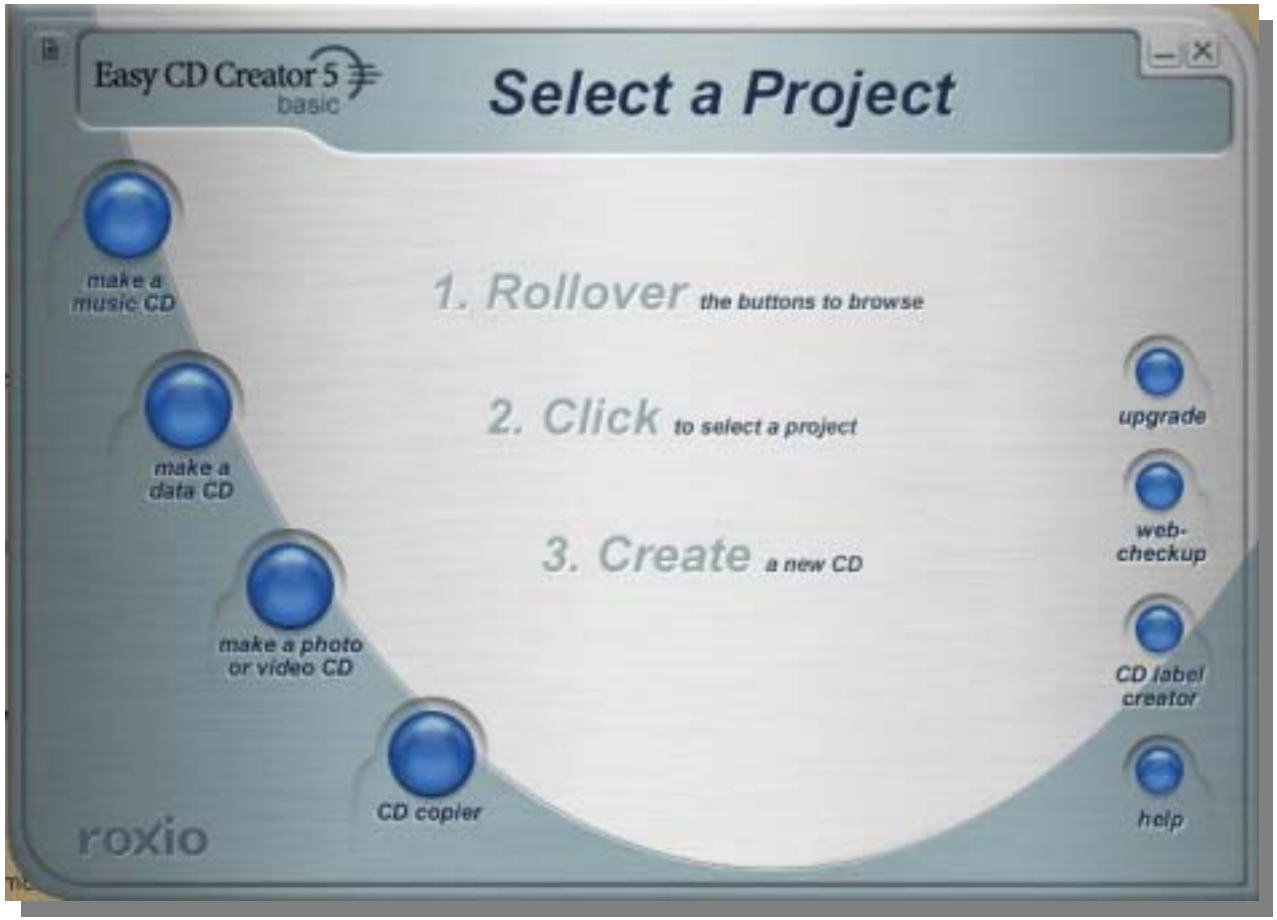






With a CD-R, you can…

- Record audio
- Record data
- Record video
- Or, record a combination of the above

Software

Roxio Project Screen



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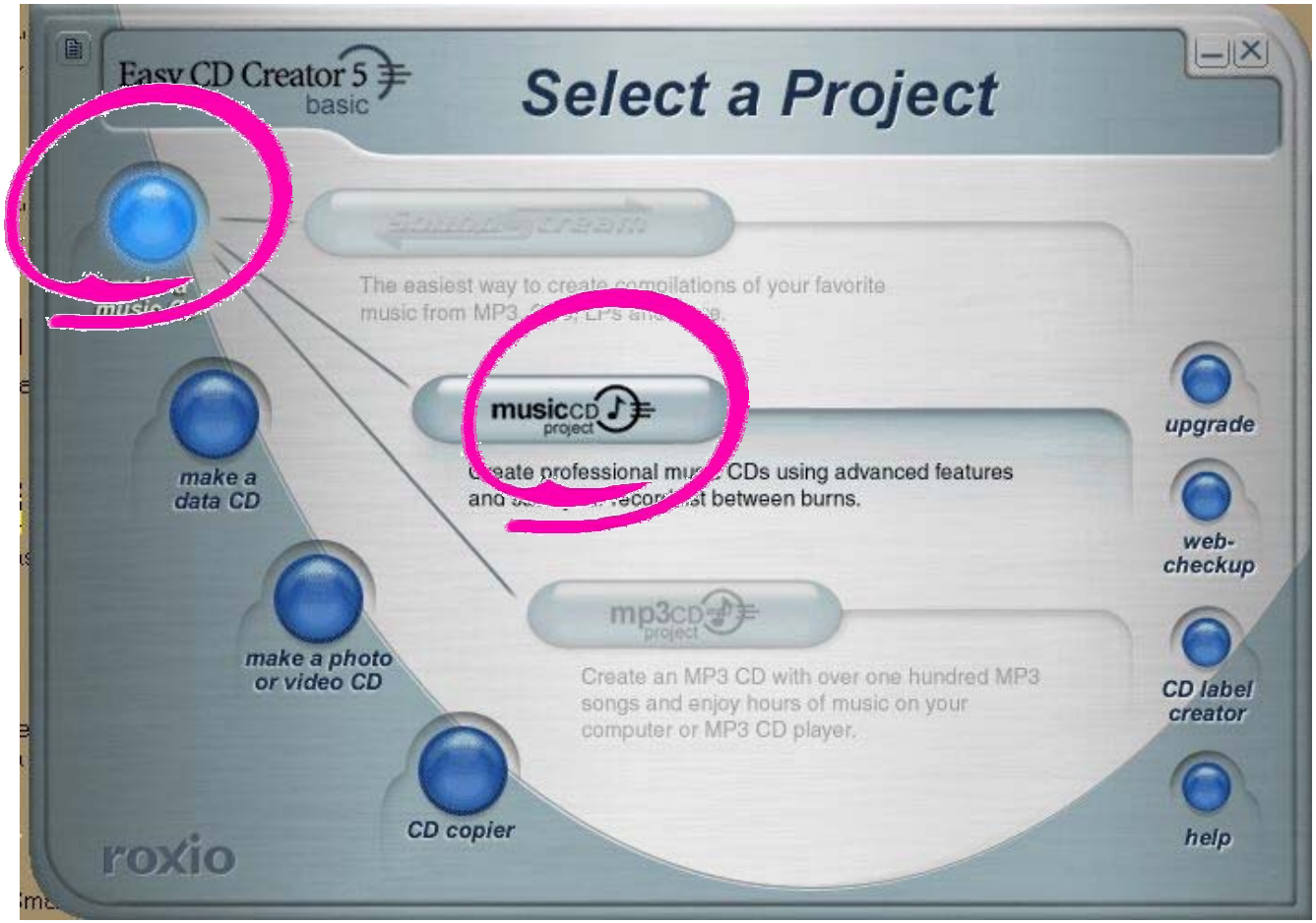

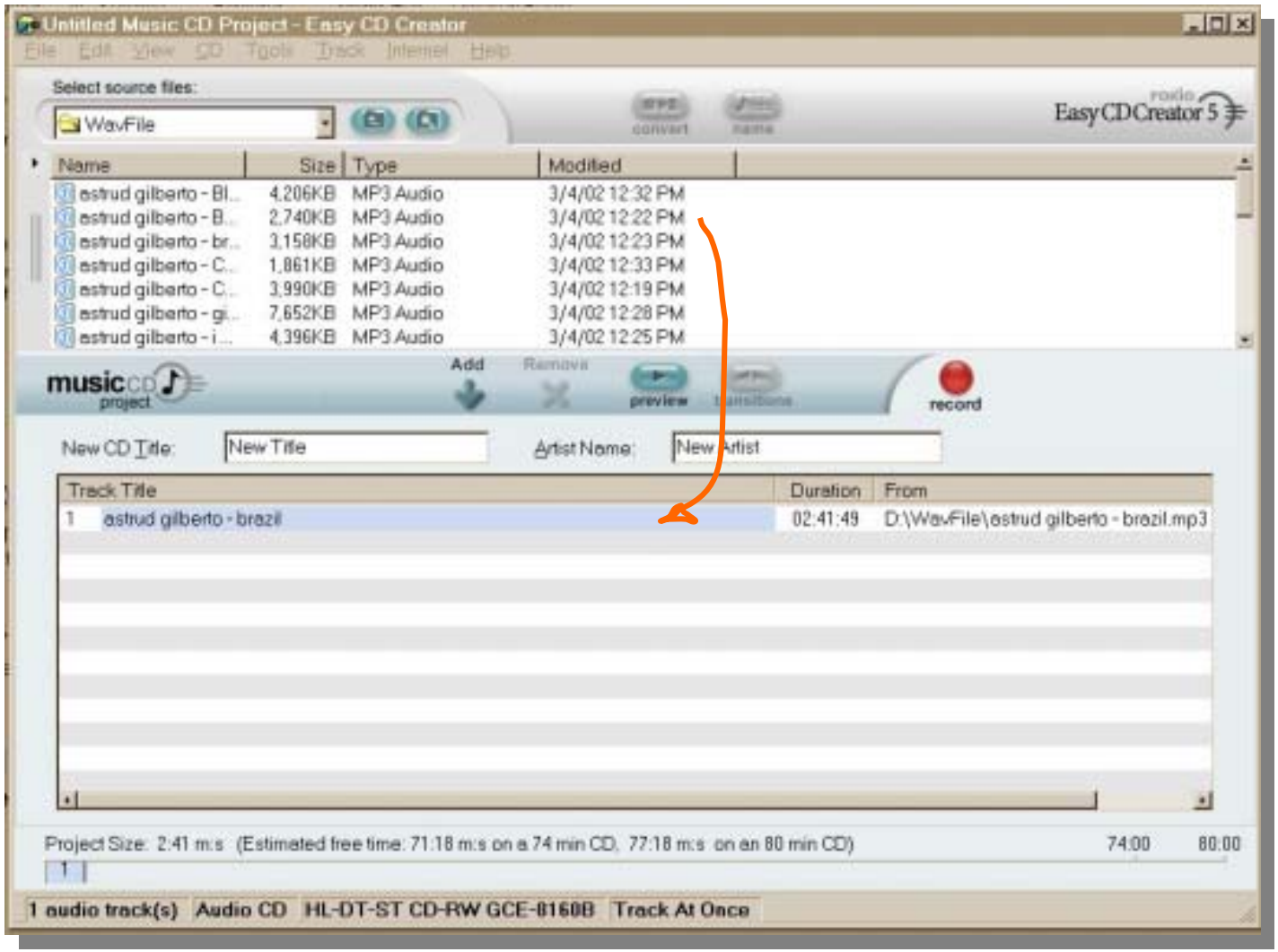
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convert
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roxio
Easy CD Creator 5
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estrud gilberto - B... 2,740KB MP3 Audio 3/4/02 12:22 PM
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estrud gilberto - C... 1,861KB MP3 Audio 3/4/02 12:33 PM
estrud gilberto - C... 3,990KB MP3 Audio 3/4/02 12:19 PM
estrud gilberto - gi... 7,652KB MP3 Audio 3/4/02 12:28 PM
estrud gilberto - i... 4,396KB MP3 Audio 3/4/02 12:25 PM
music CD project
Add
Remove
preview
record
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Artist Name: New Artist
Track Title Duration From
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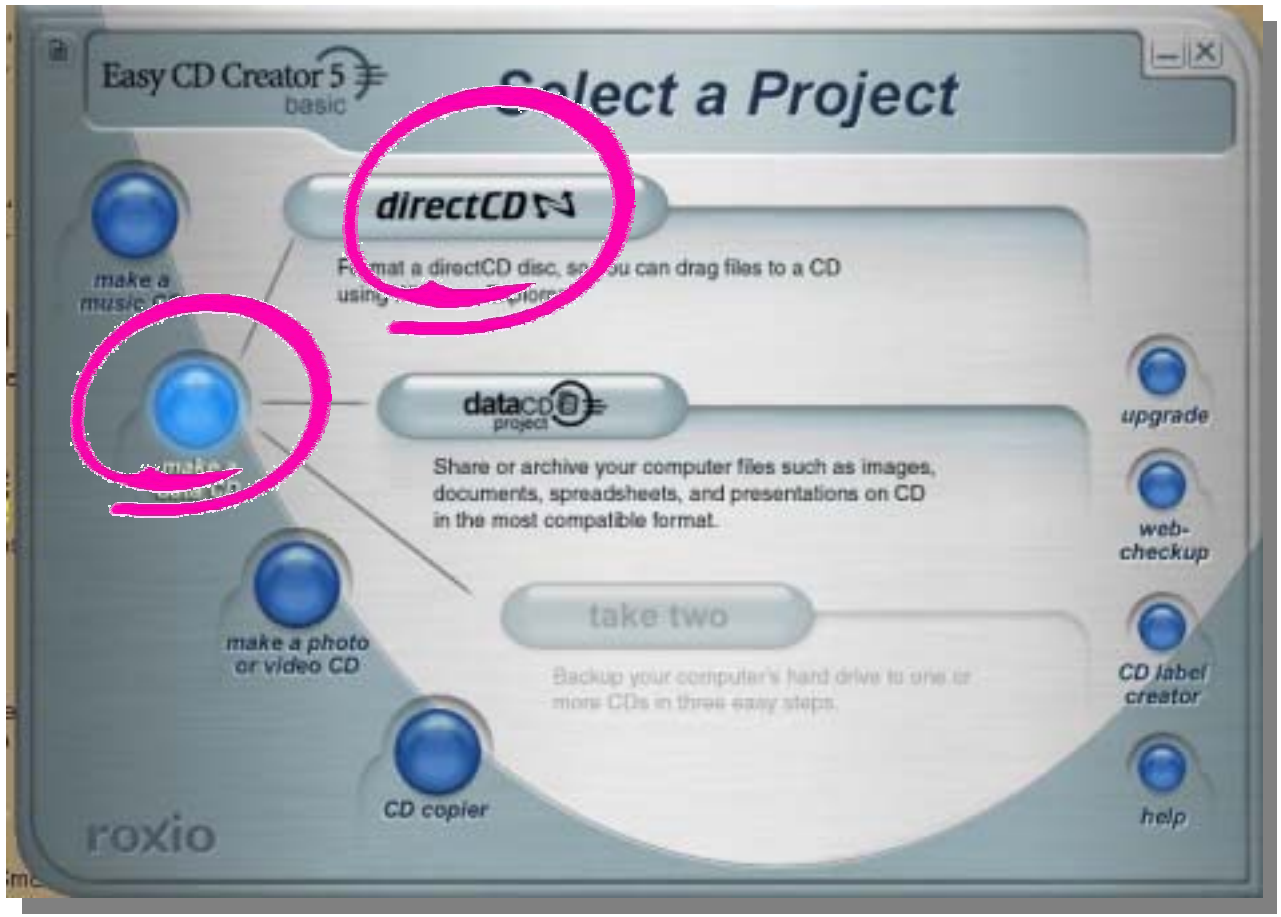
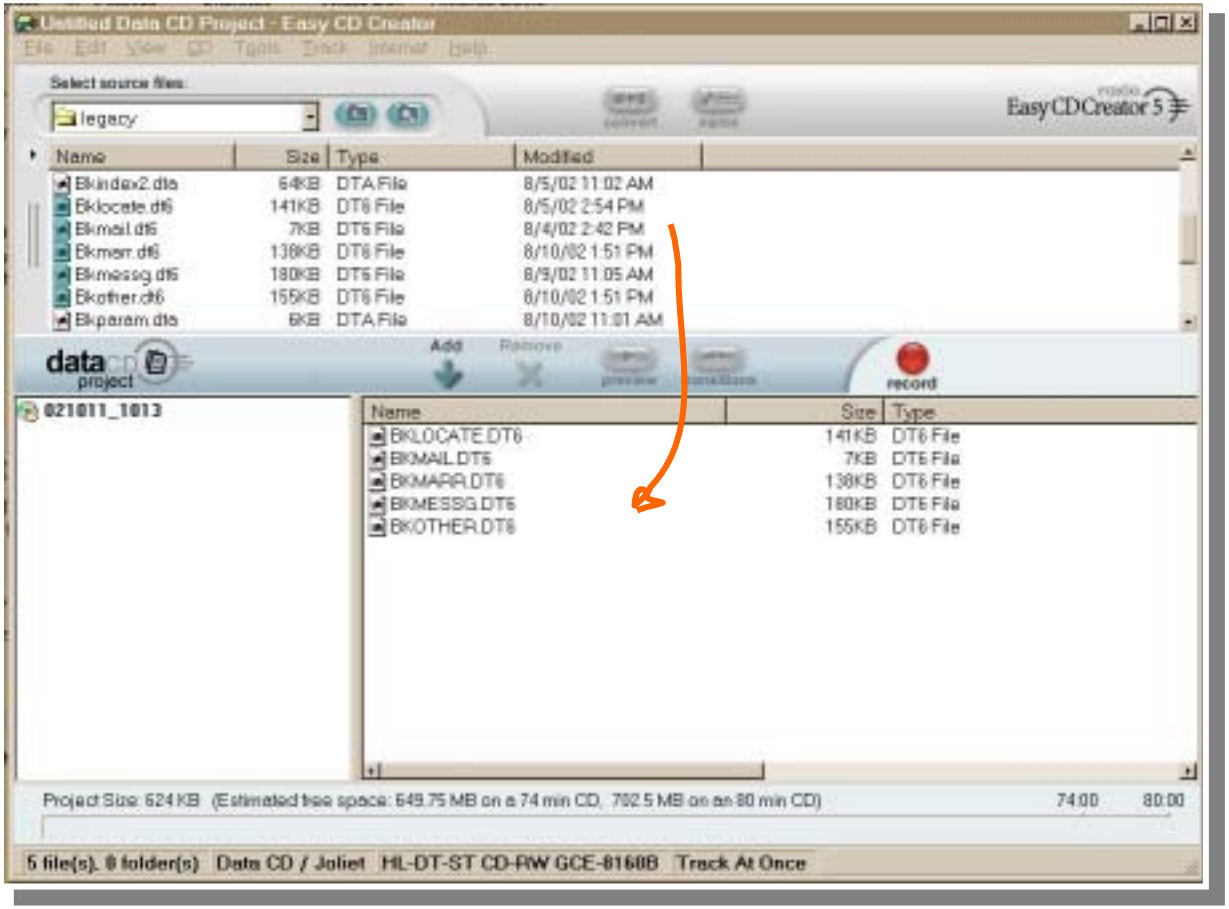
Making a Data CD

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Bkmail.dt6 7KB DT6 File 8/4/02 2:42 PM
Bkmapr.dt6 138KB DT6 File 8/10/02 1:51 PM
Bkmessg.dt6 180KB DT6 File 8/9/02 11:05 AM
Bkother.dt6 155KB DT6 File 8/10/02 1:51 PM
Bkparam.dta 6KB DTA File 8/10/02 11:01 AM
data project
Add
Remove
record
021011_1013
Name Size Type
BKLOCATE.DT6 141KB DT6 File
BKMAIL.DT6 7KB DT6 File
BKMAPR.DT6 138KB DT6 File
BKMESSG.DT6 180KB DT6 File
BKOTHER.DT6 155KB DT6 File
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80:00
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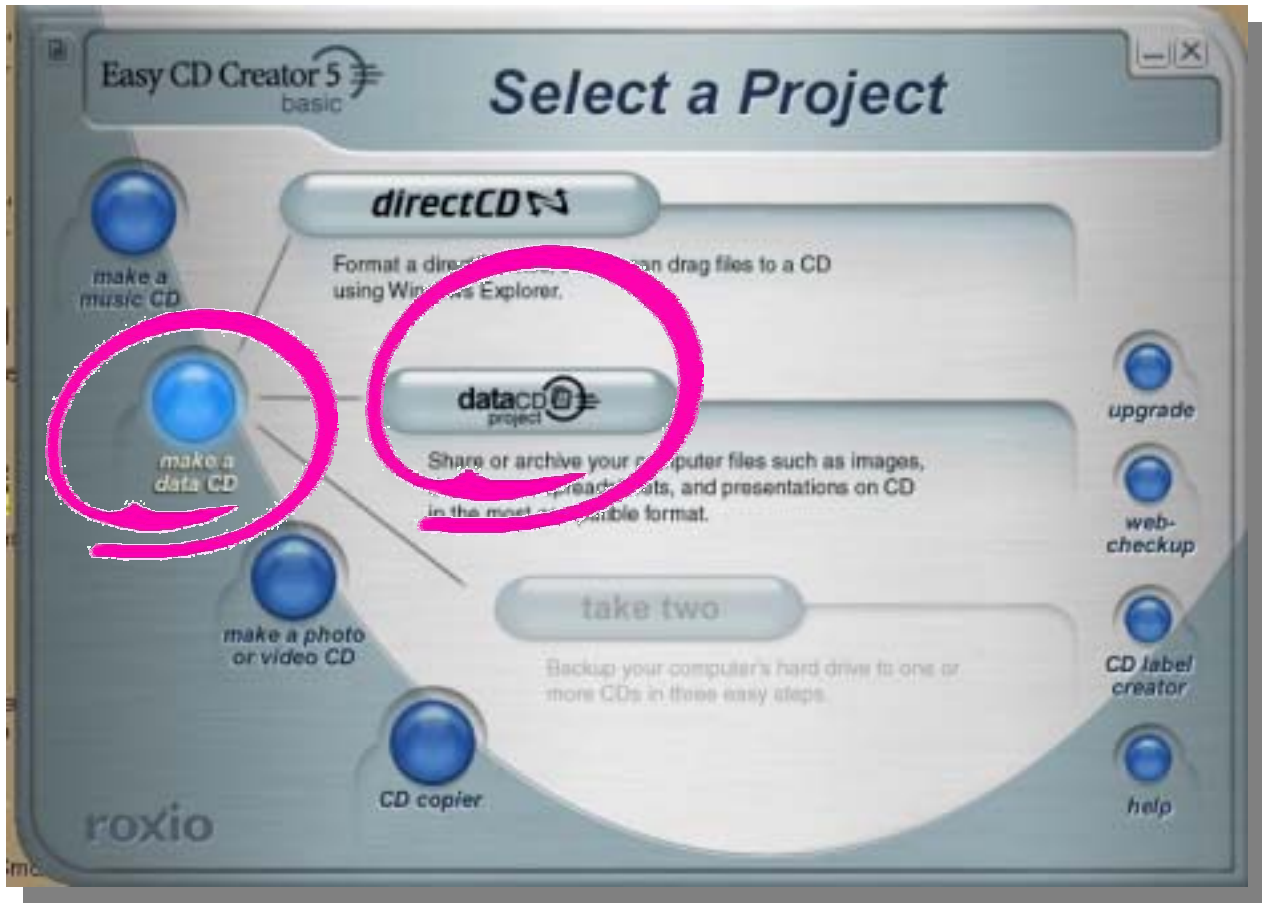
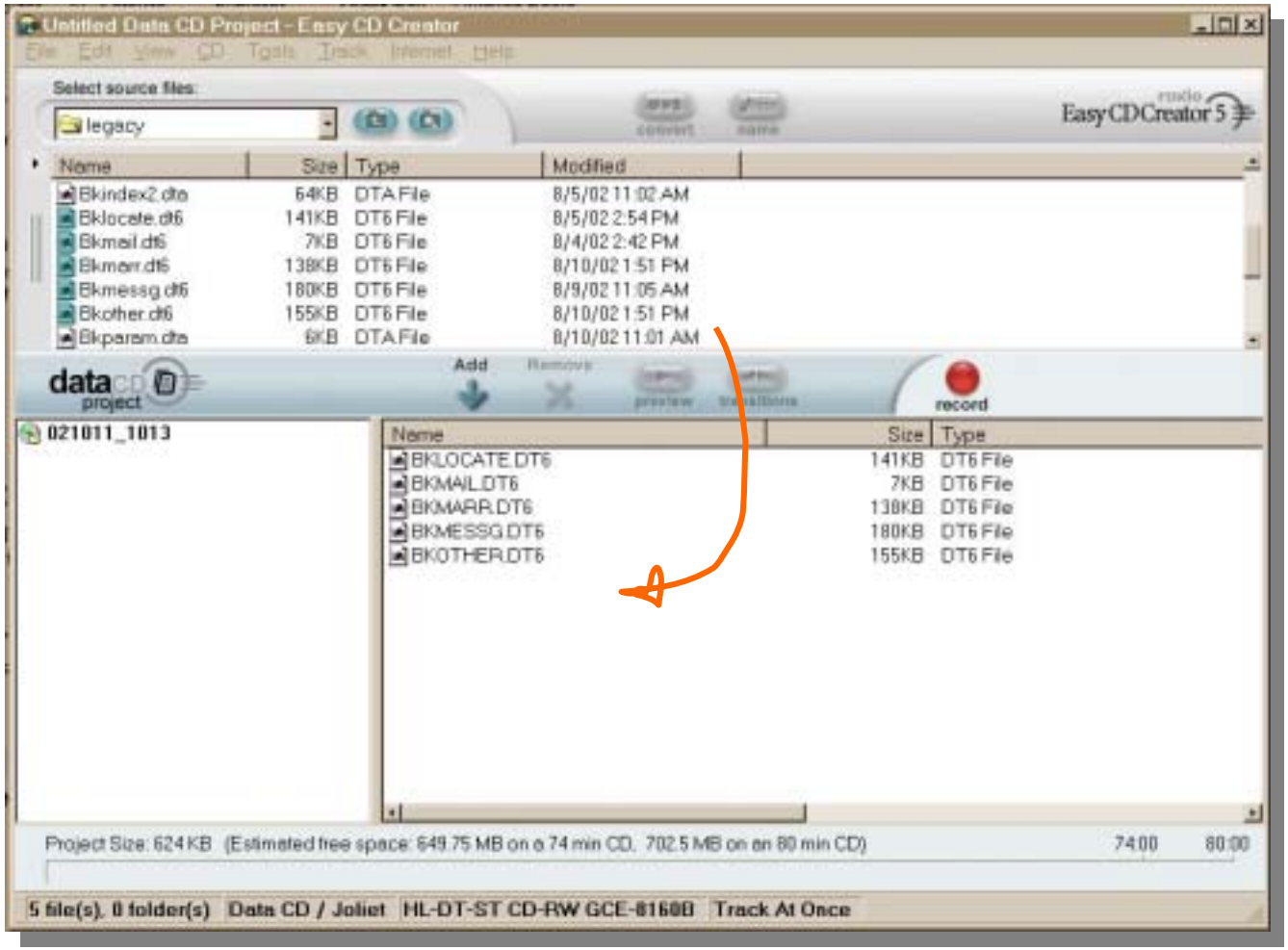
Make a Data CD

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Bklocate.dt6 141KB DT6 File 8/5/02 2:54 PM
Bkmail.dt6 7KB DT6 File 8/4/02 2:42 PM
Bkmarr.dt6 138KB DT6 File 8/10/02 1:51 PM
Bkmessg.dt6 180KB DT6 File 8/9/02 11:05 AM
Bkother.dt6 155KB DT6 File 8/10/02 1:51 PM
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data CD project
Add
Remove
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BKOTHER.DT6 155KB DT6 File
Project Size: 624 KB (Estimated free space: 649.75 MB on a 74 min CD, 702.5 MB on an 80 min CD)
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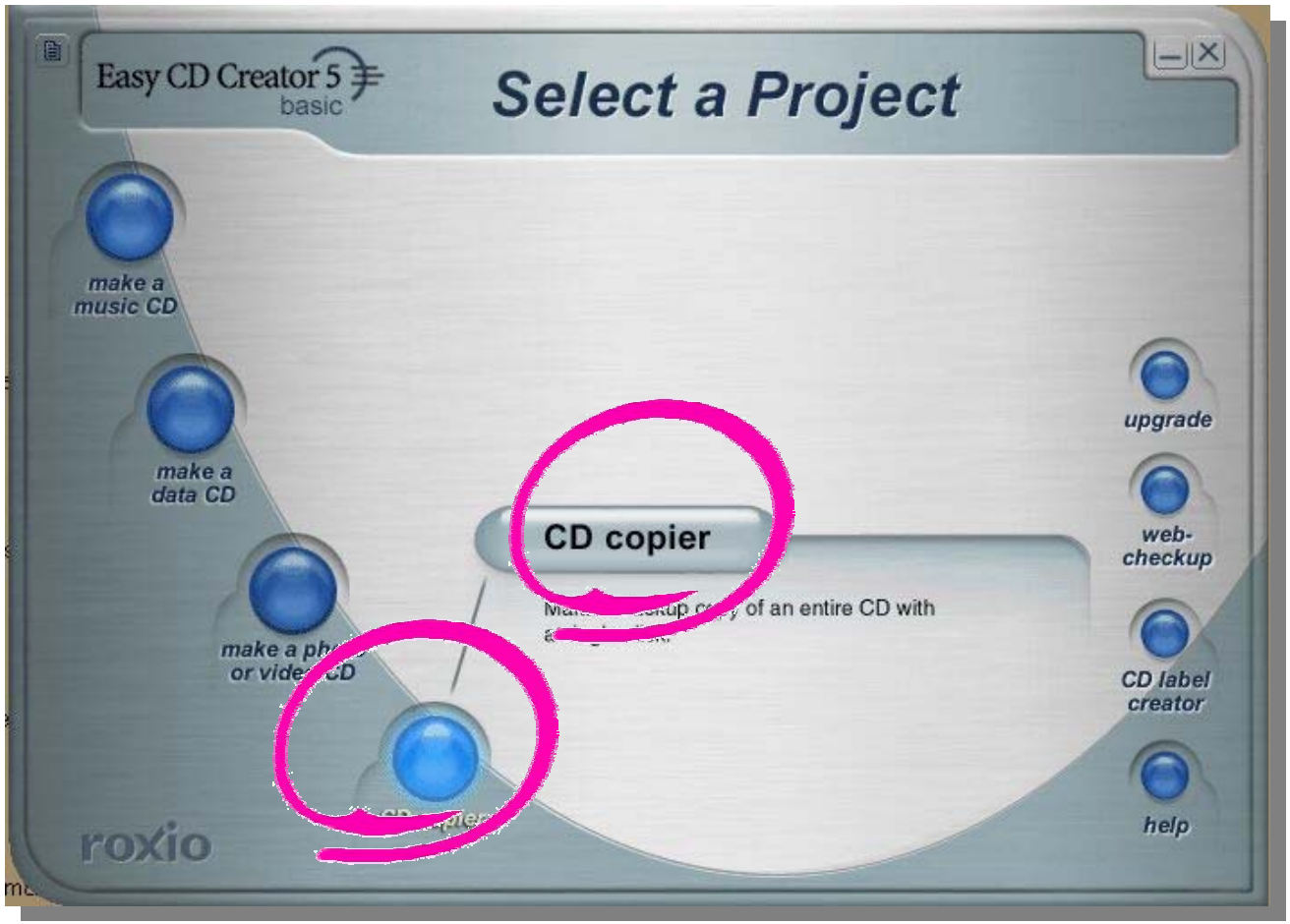
5 file(s), 0 folder(s)
Data CD / Joliet
HL-DT-ST CD-RW GCE-8160B
Track At Once

CD Copier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basic
Select a Project
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make a data CD
make a ph
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CD copier
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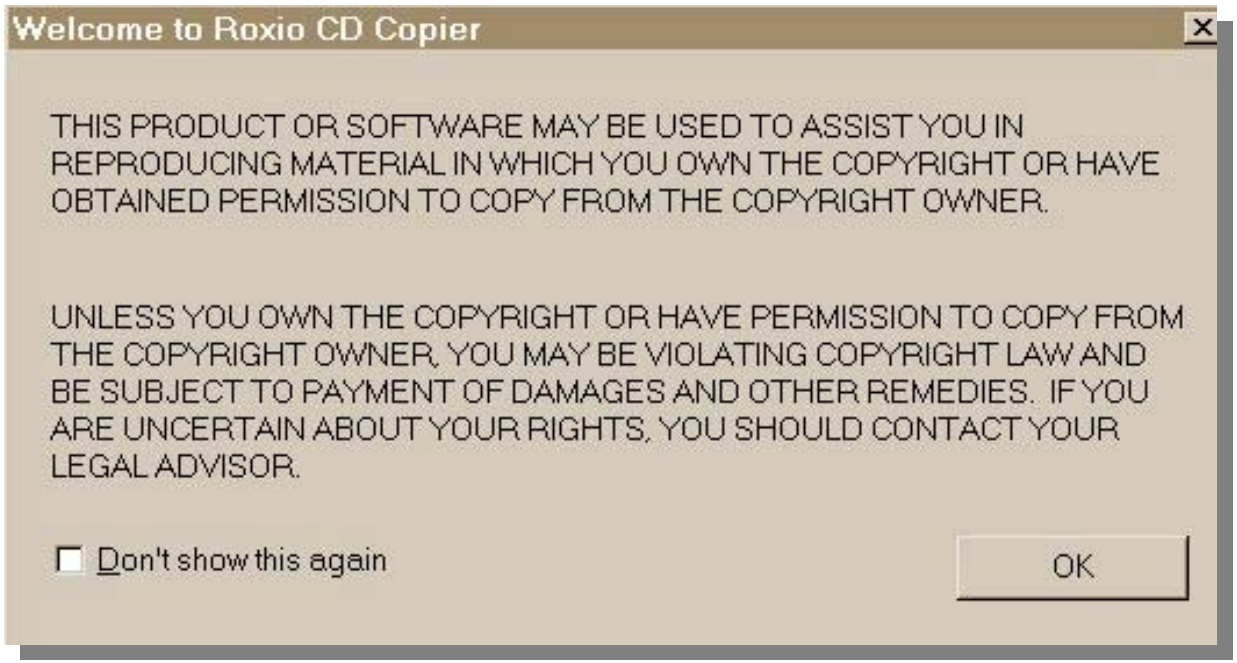
upgrade
web-checkup
CD label creator
help
roxio

Warning!!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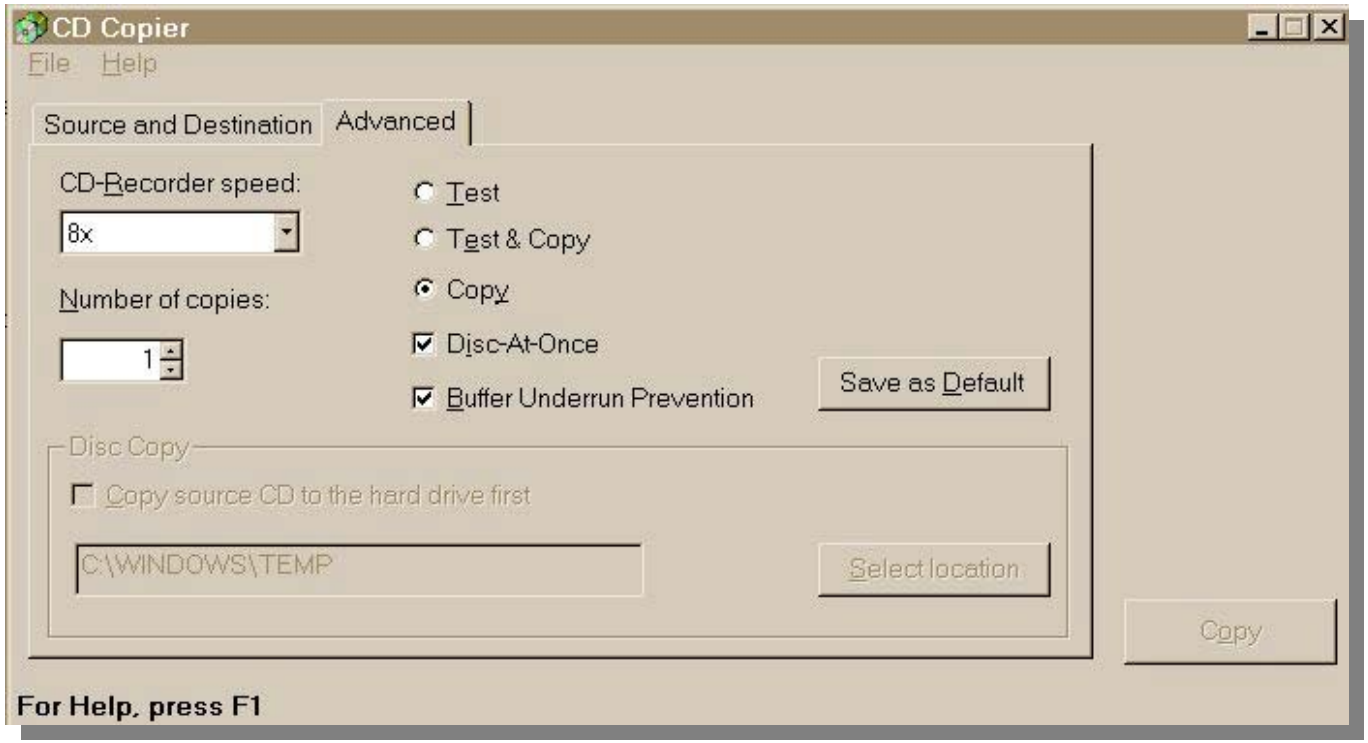
THIS PRODUCT OR SOFTWARE MAY BE USED TO ASSIST YOU IN REPRODUCING MATERIAL IN WHICH YOU OWN THE COPYRIGHT OR HAVE OBTAINED PERMISSION TO COPY FROM THE COPYRIGHT OWNER.
UNLESS YOU OWN THE COPYRIGHT OR HAVE PERMISSION TO COPY FROM THE COPYRIGHT OWNER, YOU MAY BE VIOLATING COPYRIGHT LAW AND BE SUBJECT TO PAYMENT OF DAMAGES AND OTHER REMEDIES. IF YOU ARE UNCERTAIN ABOUT YOUR RIGHTS, YOU SHOULD CONTACT YOUR LEGAL ADVISOR.
Don't show this again
OK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Number of copies:
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Test
Test & Copy
Copy
Disc-At-Once
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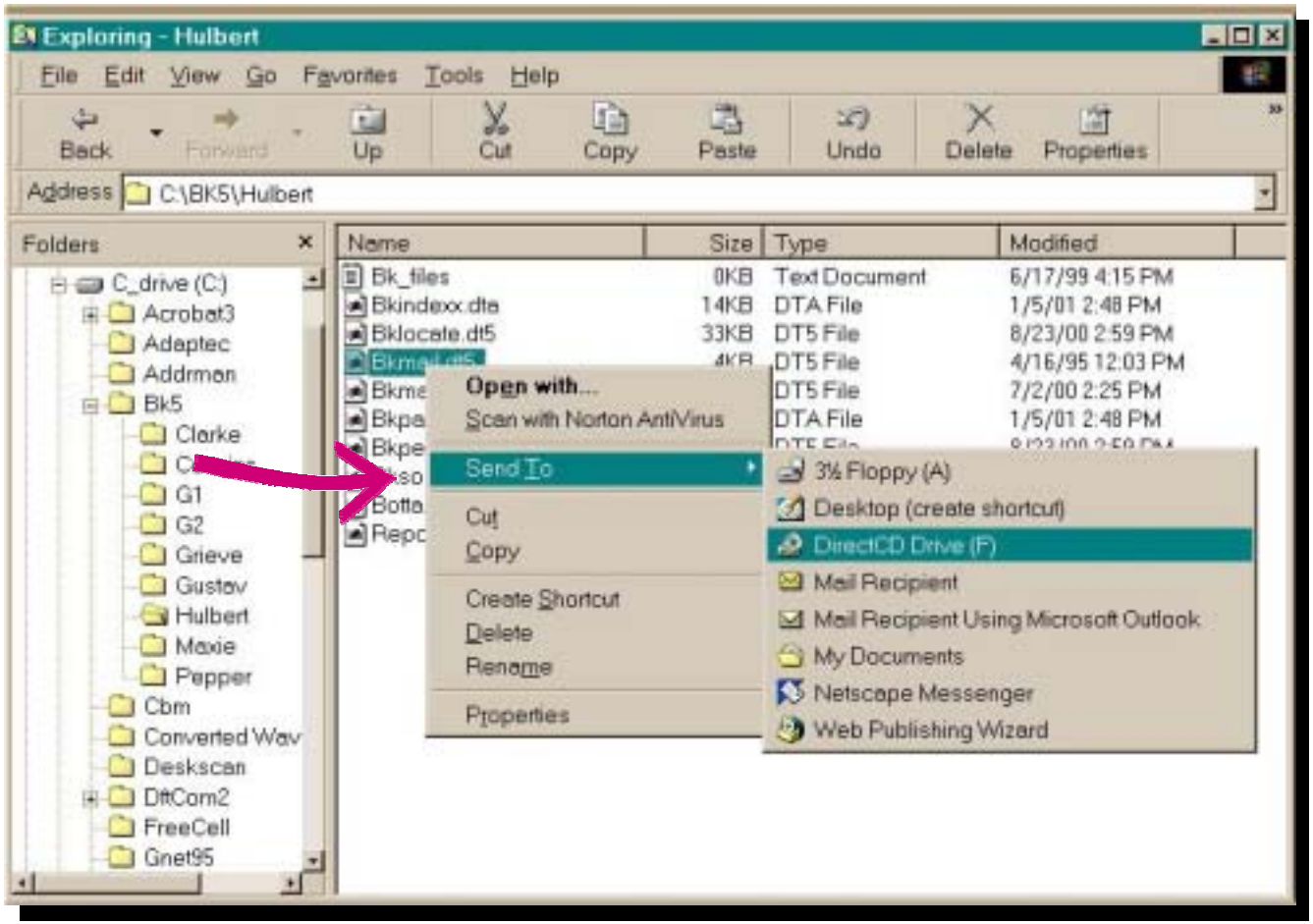
Select location
Copy
For Help, press F1

CD-RW (DirectCD)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Folders
C_drive (C:)
Acrobat3
Adaptec
Addrman
Bk5
Clarke
G1
G2
Grieve
Gustav
Hulbert
Maxie
Pepper
Cbm
Converted Wav
Deskscan
DftCom2
FreeCell
Gnet95
Name Size Type Modified
Bk_files 0KB Text Document 6/17/99 4:15 PM
Bkindexx.dte 14KB DTA File 1/5/01 2:48 PM
Bklocate.dt5 33KB DT5 File 8/23/00 2:59 PM
DT5 File 4/16/95 12:03 PM
DT5 File 7/2/00 2:25 PM
DTA File 1/5/01 2:48 PM
Open with...
Scan with Norton AntiVirus
Send To
Cut
Copy
Create Shortcut
Delete
Rename
Properties
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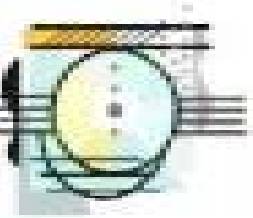
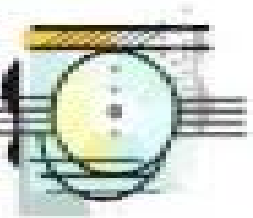
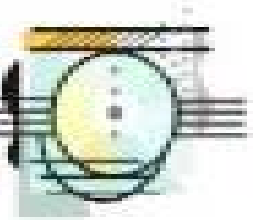
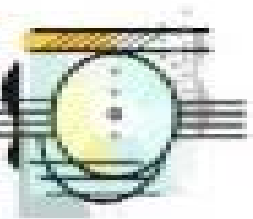
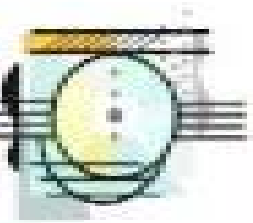
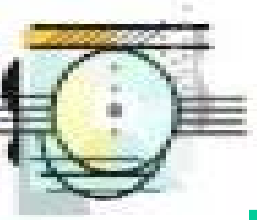
Desktop (create shortcut)
DirectCD Drive (F)
Mail Recipient
Mail Recipient Using Microsoft Outlook
My Documents
Netscape Messenger
Web Publishing Wizard

Hints.....

- Get to know your computer very well.
- Defrag HD before “burning”.
- Turn off anti-virus program and anything else that might be running in the BG.
- Begin “burning”, back away and pray.

The above may not be applicable if you have a new burner that is “Burn Proof”



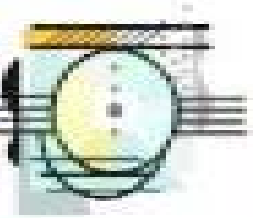
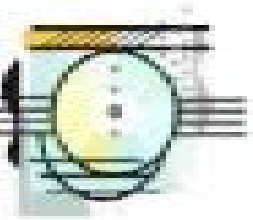
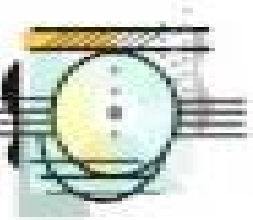
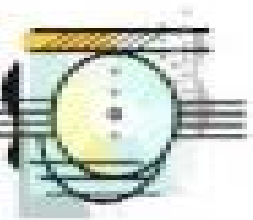
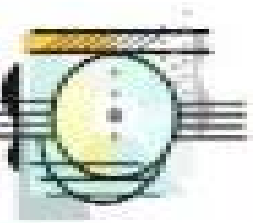
For the “Brave at Heart”

Modify your “system.ini” file to increase the CD recording success rate. In

windows\system.ini, under [vcache] section, add:

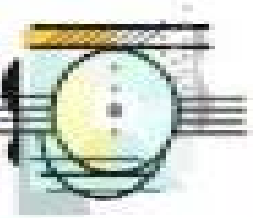
minfilecache=512

maxfilecache=4096

References

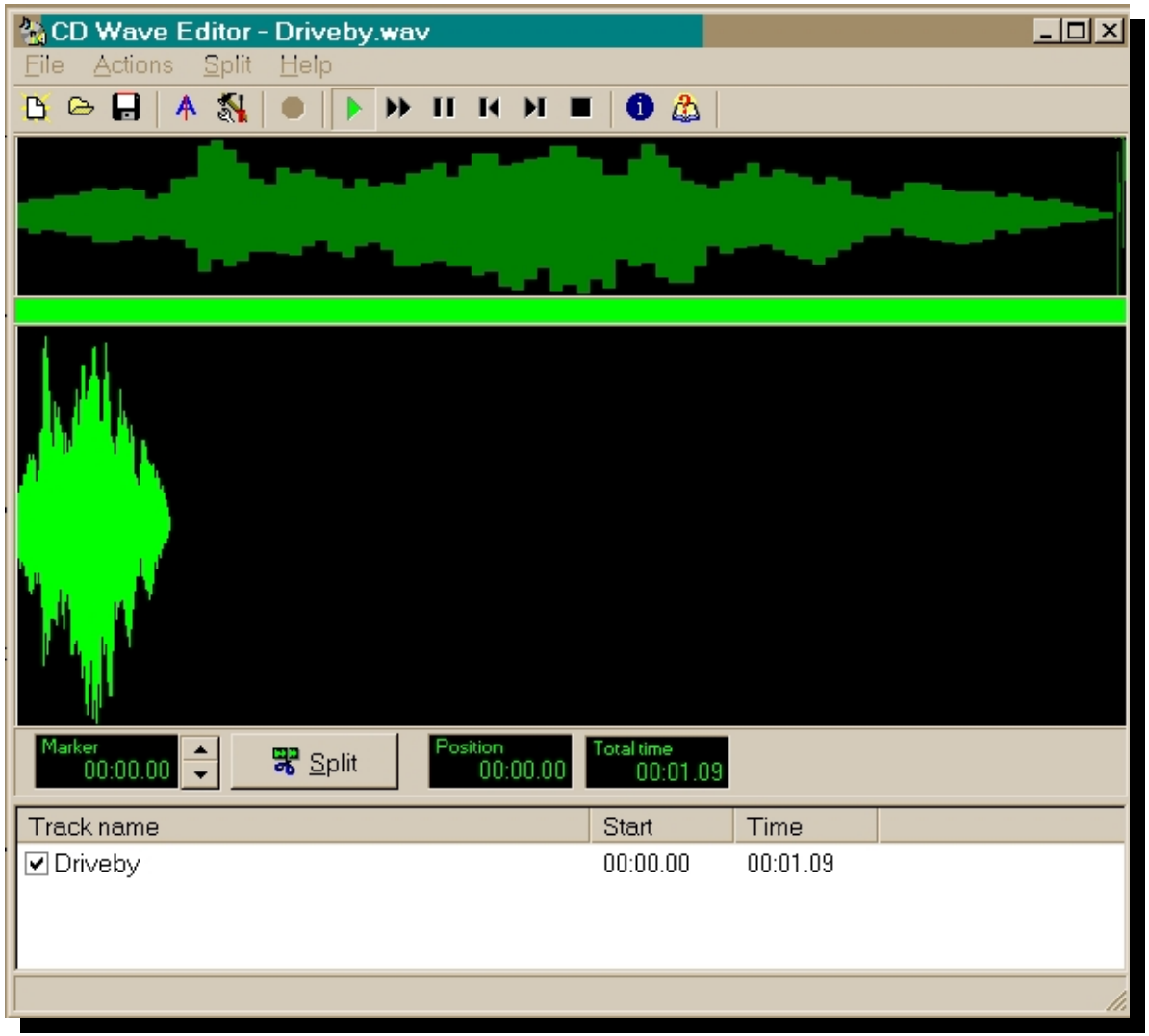
- Webopedia - www.pcwebopedia.com
- Mike Richter's - http://www.mrichter.com/cdr/primer/primer.htm
- Adaptec - http://www.adaptec.com/
- CDWave - http://www.homepages.hetnet.nl/~mjmlooijmans/cdwave/
- Wave Repair & LP to CD-R - http://homepages.nildram.co.uk/~abcomp/wavrep.htm
- Cdex (Audio tracks to HD) - http://www.cdex.n3.net/

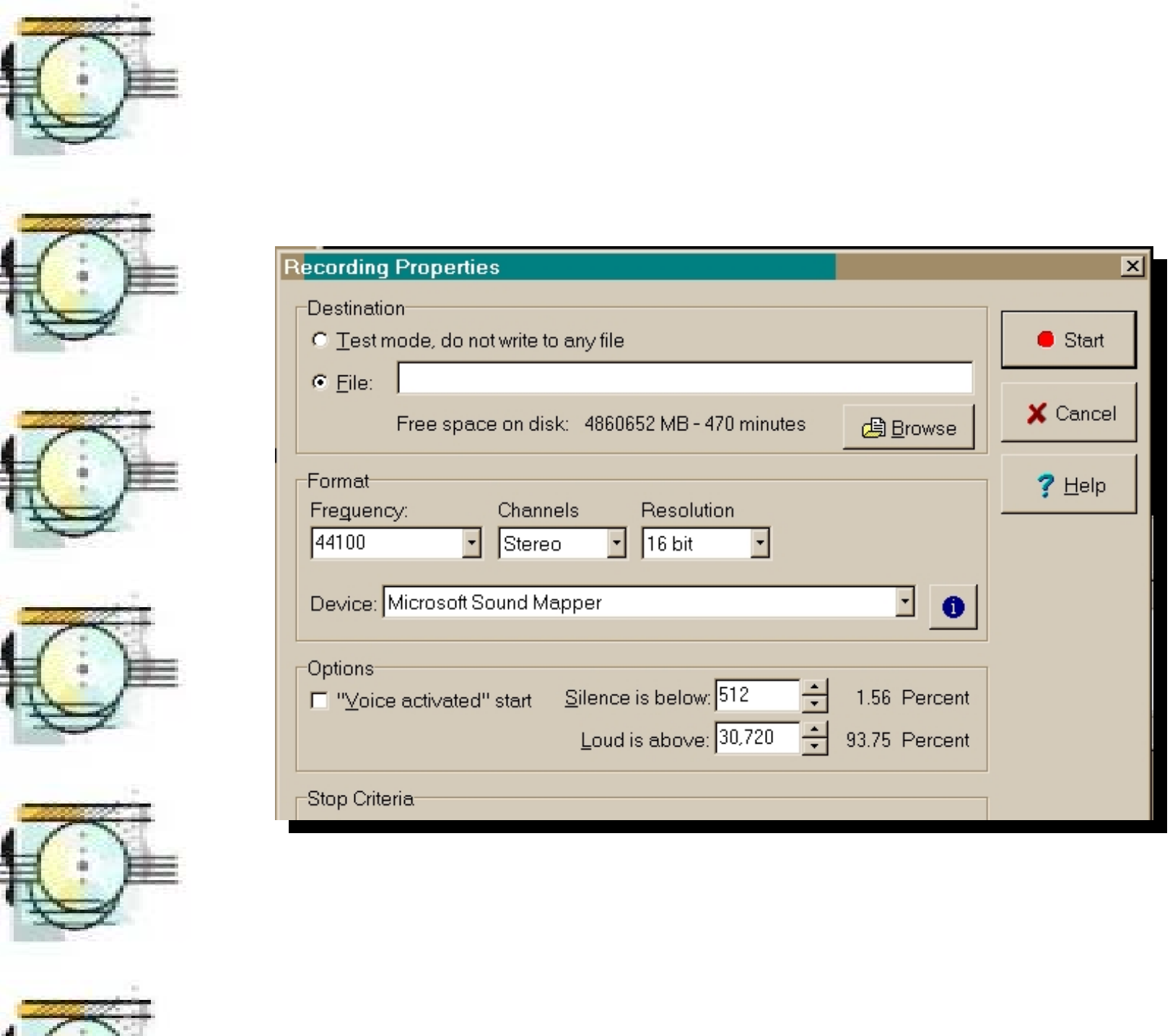


LP to CD-R

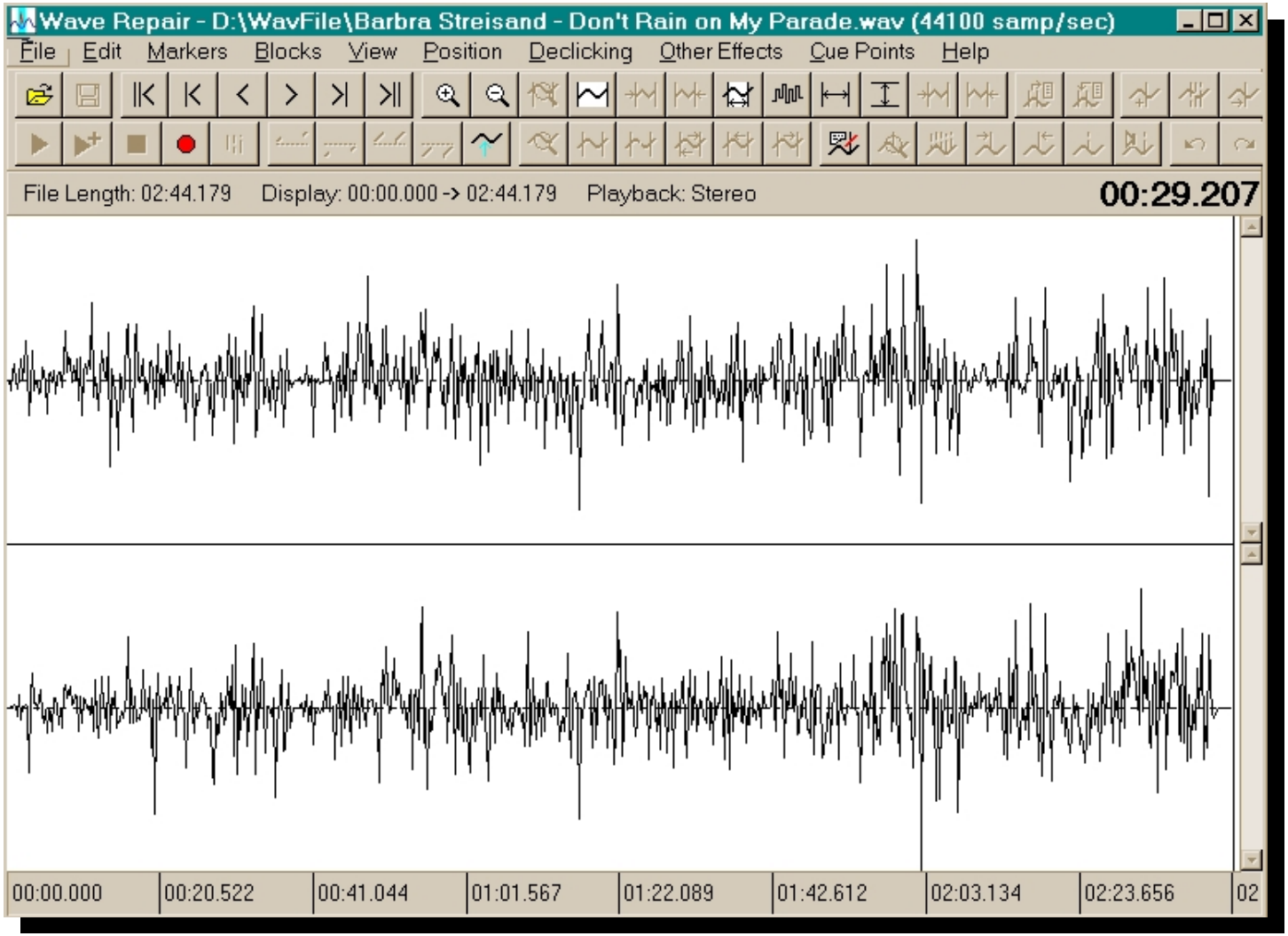
1. Copy LP to tape using home stereo
2. Connect ghetto blaster's mike-out to audio card's line-in. Load tape to HD using CD Wave.
3. Split large wav. file into smaller files (tracks).
4. If required, edit wav. files using Wave Repair.
5. "Burn" CD-R using Adaptec's Easy CD Creator.

CD Wave


CD Wave Editor - Driveby.wav
File
Actions
Split
Help
Marker
00:00.00
Split
Position
00:00.00
Total time
00:01.09
Track name
Start
Time
Driveby
00:00.00
00:01.09

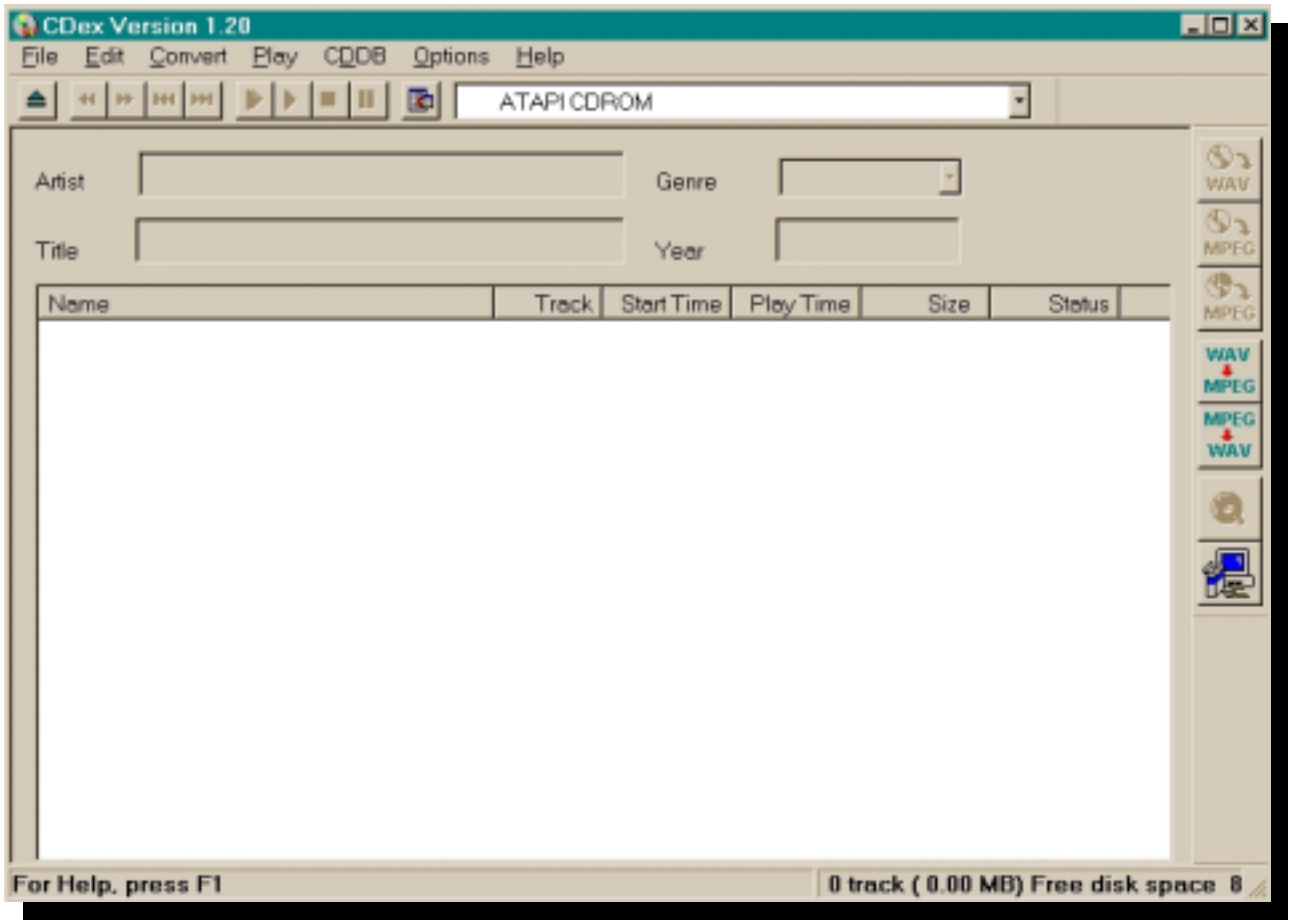

Recording Properties
Destination
Test mode, do not write to any file
File:
Free space on disk: 4860652 MB - 470 minutes
Browse
Start
Cancel
Help
Format
Frequency:
Channels
Resolution
44100
Stereo
16 bit
Device:
Microsoft Sound Mapper
Options
"Voice activated" start
Silence is below:
512
1.56 Percent
Loud is above:
30,720
93.75 Percent
Stop Criteria

Wave Repair


Wave Repair - D:\WavFile\Barbra Streisand - Don't Rain on My Parade.wav (44100 samp/sec)
File Edit Markers Blocks View Position Declicking Other Effects Cue Points Help
File Length: 02:44.179
Display: 00:00.000 -> 02:44.179
Playback: Stereo
00:29.207
00:00.000
00:20.522
00:41.044
01:01.567
01:22.089
01:42.612
02:03.134
02:23.656
02

Cdex

Copy Audio Tracks To HD

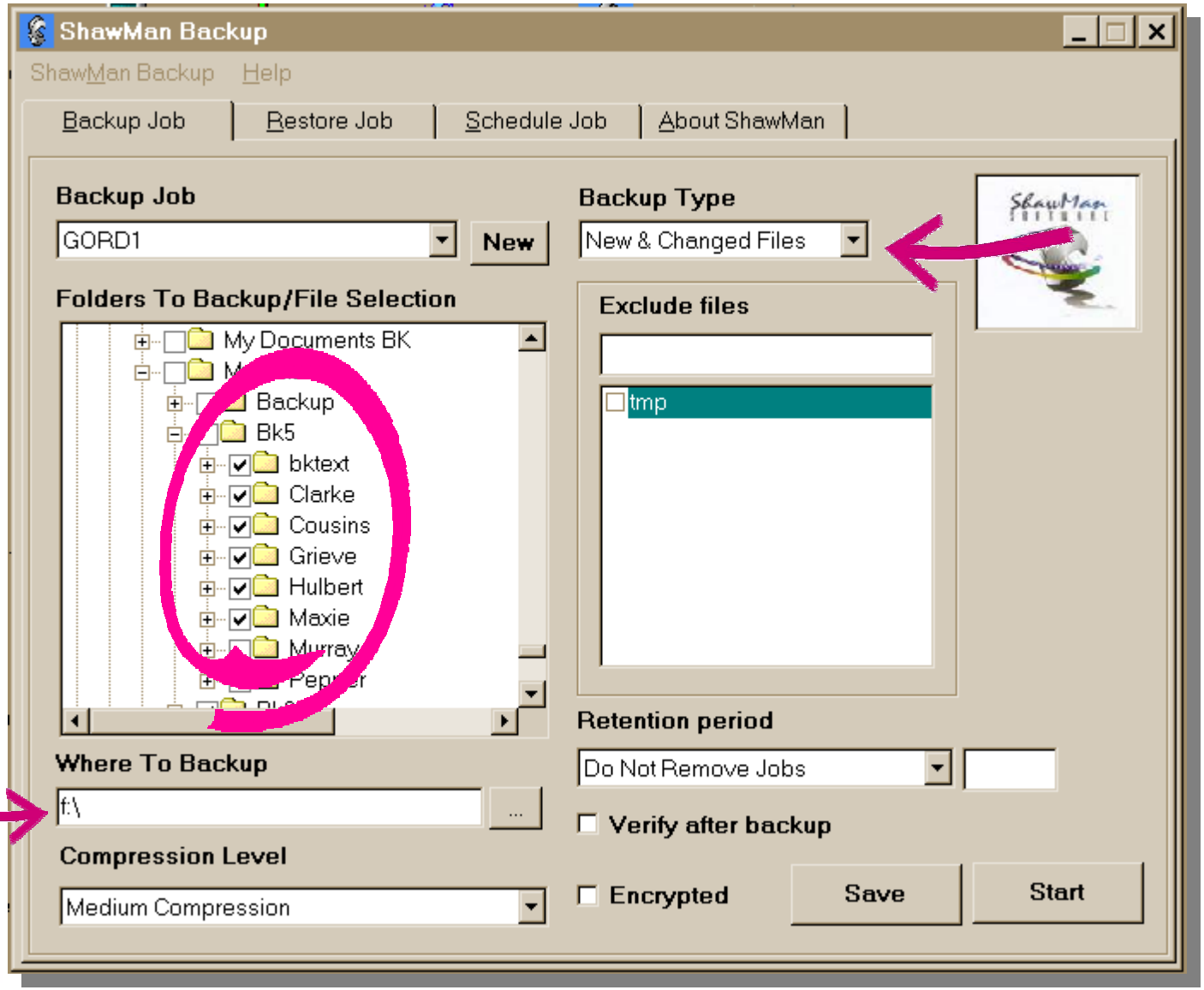


Another Idea.....

Backup your important files to a CDRW.

- Format a CDRW.
- Identify to your backup program the files you want to backup.
- Copy the files.
- Here is how I did it!

Shawman Backup Program



CDRW

http://www.tucows.com/system/preview/195646.html

What's New?

DVD Burners

http://computers.cnet.com/hardware/0-1095-405-20090211.html?tag=dir-rev

http://electronics.cnet.com/electronics/0-3622-8-9964913-1.html

VHS to DVD