Burning CD's

Hardware

Drives

CD-ROM -- Compact Disc - Read-only Memory CD-R -- Compact Disc - Recordable CD-RW -- Compact Disc - ReWritable DVD -- Digital Video Disc or Digital Versatile Disc

DVD-R, DVD+R, DVD-RW, DVD+RW, DVD-RAM

CD drives have a speed rating (52x24x52x) that represents their write, rewrite, and read speed

Discs

CD -- Commercial music or data CD-R -- Blank disc that you can burn (record) information on CD-RW -- Blank disc that you can burn (record) information on, erase and use again DVD -- Commercial movie

DVD-R, DVD-RW, CDR Music or Music Only

Blank discs that you burn are speed rated (52x)You need to buy discs that have a speed rating equal to or greater than your CD drive burn speed

Burning CD's using Windows XP

Burning CD's using Roxio's Easy CD Creator 5 Platinum

Windows XP

To copy files and folders to a CD

- 1. Insert a blank, <u>writable CD</u> into the CD recorder.
- 2. Open My Computer.
- 3. Click the files or folders you want to copy to the CD. To select more than one file, hold down the CTRL key while you click the files you want. Then, under File and Folder Tasks, click Copy this file, Copy this folder, or Copy the selected items.

If the files are located in My Pictures, under **Picture Tasks**, click **Copy to CD** or **Copy all items to CD**, and then skip to step 5.

- 4. In the **Copy Items** dialog box, click the CD recording drive, and then click **Copy**.
- 5. In My Computer, double-click the CD recording drive. Windows displays a temporary area where the files are held before they are copied to the CD. Verify that the files and folders that you intend to copy to the CD appear under **Files Ready to be Written to the CD**.
- 6. Under **CD Writing Tasks**, click **Write these files to CD**. Windows displays the CD Writing Wizard. Follow the instructions in the wizard.

Notes

- To open My Computer, click **Start**, and then click **My Computer**.
- Do not copy more files to the CD than it will hold. Standard CDs hold up to 650 megabytes (MB). High-capacity CDs hold up to 850 MB.
- Be sure that you have enough disk space on your hard disk to store the temporary files that are created during the CD writing process. For a standard CD, Windows reserves up to 700 MB of the available free space. For a high-capacity CD, Windows reserves up to 1 gigabyte (GB) of the available free space.

After you copy files or folders to the CD, it is useful to view the CD to confirm that the files are copied. For more information, click **Related Topics**.

What about some setup options?

Double-click My Computer

Right-click your CD-R/RW drive and select Properties Click the Settings tab

General AutoPlay	Hardware Sharing
Device: Unlocked	
Name: HL-DT-ST CD-RW	/ GCE-8240B
Type: CD-RW drive	Firmware revision: 1.06
Target ID: 1	Logical unit number: 0
Media Type:	
LIEVICE IS NOT READU	
Device is not ready.	
Period is not ready.	
Device Access Speed:	
Device Access Speed:	16x 🔻
Device Access Speed: — Current Read Speed:	16x 💌
Device Access Speed: — Current Read Speed: Current Write Speed:	16x • 24x •
Device Access Speed: Current Read Speed: Current Write Speed:	16x 💌 24x 💌
Device Access Speed: — Current Read Speed: Current Write Speed:	16x • 24x •
Device Access Speed: Current Read Speed: Current Write Speed:	16x • 24x •

Set the read and write speed to match your drives rating

Click the DirectCD x.x Options tab

General	AutoPlay	Hardware	Sharing
Settings	DirectCD 5	.0 Options	Recording
Show the Cl	D <u>R</u> eady Notifica	tion K ³	
Show the Ei	ected CD Notific	ation	
Show Icon I	n Sustem Trau		
• Show Icom	n bystein <u>T</u> idy		
CD-R Eject Opti	ions:		
Always Lea	ave As Is		
C Always Shr	ow Fiect Options	Dialog Boy	
- Amayo Shi	on Elect o <u>P</u> rioris	Dialog Don	
C Always <u>C</u> lo	se.		
Close Options	s:		
🖲 Close to J	<u>U</u> DF v.1.5		
C Close to I	Read on Any Cor	mputer	

- Check, Show the CD Ready Notification, Show the Ejected CD Notification, and Show I con in System Tray
- Select, Always Leave As Is, in the CD-R Eject Options: section

Click the Recording tab

Settings DirectCD 5.0 Options Recording Image: Settings determine how the Windows CD recording software writes files to this CD-R drive. Desktop CD recording Select this check box to record CDs by dragging files and folders to the CD-R icon on your computer. Image: Select a grive where Windows can store an "image" of the CD to be written. The image file may use up to 1 GB of disk space. Image: Local Disk (C:) Image: Select a write speed. Higher speeds take less time, but if they cause errors, select a lower speed.	Settings		Hardware	Sharing
These settings determine how the Windows CD recording software writes files to this CD-R drive. Desktop CD recording Select this check box to record CDs by dragging files and folders to the CD-R icon on your computer. Image: Select a drive where Windows can store an "image" of the CD to be written. The image file may use up to 1 GB of disk space. Image: Select a write speed. Higher speeds take less time, but if they cause errors, select a lower speed. 16X		DirectCD 5	.0 Options	Recording
Local Disk [C:] Select a write speed. Higher speeds take less time, but if they cause errors, select a lower speed. 16X	The: softw Desktop CD Select this of folders to the Enable C Select a driv to be writter	se settings determin ware writes files to the recording wheck box to record e CD-R icon on you CD recording on this we where Windows n. The image file ma	ie how the Window nis CD-R drive. CDs by dragging f r computer. drive can store an "imag y use up to 1 GB c	vs CD recording files and ge'' of the CD of disk space.
	Select a writ cause errors	te speed. Higher sp s, select a lower spe	peeds take less tim ed.	ie, but if they
	100			

Check, Enable CD recording to this drive Store "image" on the C: drive

Select the desired write speed

Uncheck, Automatically eject the CD after writing Click the OK button

The Easy Way

Place a blank, writable CD in the drive Cancel the CD Drive (X:) dialog box Double-click the DirectCD (Drive X:) icon in the System Tray



On the DirectCD control panel, click the options button

DirectCD 5.1	.0.209 (Drive F:)	Opti <table-cell> 👔</table-cell>
	directCD	i.
 ✓ Show the CD <u>Read</u> ✓ Show the <u>Ejected</u> ✓ Show Icon In System 	idy Notification CD Notification tem <u>T</u> ray	Cancel
CD-R Eject Options Always Leave A Always Show E Always Close Close Options Close to UDF Close to Read	s Is ect Options Dialog Box v.1,5 on Any Computer	
Options Available fo Label: Read Speed: Write Speed:	r Drive (F:) 8x 24x	

Check, Show the CD Ready Notification, Show the Eject CD Notification, and Show I con in System Tray Select, Always Show Eject Options Dialog Box, in the CD-R Eject Options: section Select the appropriate Read and Write Speed Click the OK button Click the Format CD button

DirectO	D 5.1.0.209 (Drive F:) F	or ? 🔀
	directCDN	
Label:		Start Format
	(Maximum length: 11 characters)	Cancel
Note: The la	abel helps to distinguish between CDs.	Help
Format Ty Quick your C	Compression pe Format - Allows you to quickly start using D without having to do a full format.	
C Full Fo	rmat	

Type a label name for the CD Click the Start Format button Close the CD Ready notification box



Close the DirectCD control panel

Recording using DirectCD

Right-click the Start button and select Explore
Find the folder(s) and/or files you want to copy
Select (highlight) the folder(s) and/or files you want to copy
Adjust the left panel so you can see your CD-R/RW drive
Use the right mouse button to drag-and-drop the folder(s) and/or files on the CD-R/RW drive in the left panel

Select Copy Here

Don't rush the process

Listen to the CD-R/RW drive and watch the light When you are finished, press the eject button on the CD-R/RW drive

In the Eject CD dialog box, make the desired selection

Direc	tCD 5.1.0.209 (Drive F:) Ejec ? 🔀				
	directCD 📢				
Ej	ect CD				
Befo acce	re ejecting, decide if you want to continue using DirectCD to ess the CD or if you want to read it from a standard CD-ROM drive.				
¢	Leave As Is - Leave the CD as it is so it can be read and written to as a drive letter. Standard CD-ROM drives will not be able to read the CD.				
C	Close to UDF v.1.5 - Close the CD so it can be read on most CD-ROM drives after installing a UDF v.1.5 Reader.				
C	Close to Read on Any Computer - Close the CD so it can be read automatically in most standard CD-ROM drives.				
R	✓ Display these selections the next time I eject a CD.				
	Help Cancel				

Easy CD Creator 5

Place a blank writable CD in the drive Click the Start button and move to All Programs Move to Roxio Easy CD Creator 5 and select Easy CD Creator





- Click the number next to the CD icon, type a name for the disc and press the Enter key
- Use the top portion of the window to locate the folder(s) and/or files you want to copy
- Select (highlight) the folder(s) and/or files and click the Add arrow

On the Menu bar, click File and select CD Project Properties

CD Project Pro	perties	X			
General File System F	ile Types				
Volume <u>L</u> abel: Type: File <u>S</u> ystem:	030515_2244 Data CD Joliet				
Contains: Used Space:	24 Files, 0 Folders 17,893,376 bytes	17.06MB			
 Automatically important for the source file Validate source file Automatically verite Automatically serite Record using a site Physical format of CD 	 Automatically import previous session Validate source files before recording Automatically verify File System after recording <u>B</u>ecord using a single data track only Physical format of CD 				
 Mode <u>1</u>: CDROM Mode <u>2</u>: CDROM 	ХА				
[OKCa	ncel Help			

For File System:, select Joliet

Check, Automatically import previous sessions, and Validate source files before recording For Physical Format of CD, select Mode 2:CDROM XA Click the OK button Click the Record button In the Record CD Setup dialog box, click the Options button

Select C	D-R <u>D</u> rive:		Number of Copies:	Start Recording
F: HL-DT	ST CD-RW GCE-8240B	•	1 🛨	Cancel
Write Sper 24x (3600	ed KB/sec) 💌		Copy to hard drive first.	Help
	can be added later. 1 o cf	hange this	setting click Options.	Hide Options
Record Onlines	can be added later. To cr	nange this	setting click Options.	Hide Options
Record Options Becord CD I est Only Test and Reco	rd CD	nange this rid Method	© Track-At-Once C Don't Finalize Session, Do	Hide Options

Make sure the correct drive is selected

Select the number of copies

Select the Write Speed

Check, Buffer underrun prevention

- In the Record Options section, select either Record CD or Test and Record CD
- In the Record Method section, select Track-At-Once, and Finalize Session. Don't Finalize CD.

Click the Start Recording button

When the data has been copied, close all boxes and you will be back to the Data CD project window

Make a copy of a CD

Click the Start button and select All Programs Move to Roxio Easy CD Creator 5 and select CD Copier



I nsert the source disc in the CD-ROM or DVD drive Place a blank writable CD in the CD-R/RW drive

🕫 CD Copier	
Eile Help	
Source and Destination Advanced	
Copy from	
E: COMPAG DVD-ROM LTD163	
Contents: Please Insert original source CD	
Becord to	
F: HL-DT-ST CD-RW GCE-82408	
Contents: Please Insert blank CD	
I	Copy
For Help, press F1	1.0

Let the program test the source disc Click the Copy button

Additional Info

Older CD-ROM and some CD-R drives will not recognize CD-RW discs
CD-ROM and DVD-ROM drives must be MultiRead in order to play the various types of CD's
Don't mix audio files (WAV, WMA, and MP3) on a CD
Don't mix audio and data files on a CD
Don't make copies of copies
Don't label CD's with a laundry marker
Photo and video CD's require a drive capable of reading CD-ROM XA Discs made using Direct CD (packet writing) usually require a CD-ROM drive with MultiRead capability If you want to copy a unique CD, select Test or Test and

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