HP SureStore CD-Writer Plus User's Guide

For Models 7550e and 7570e

**HEWLETT®
PACKARD**

U.S.: Hewlett-Packard Company, 800 S. Taft Ave., Loveland, CO 80537

Product Certifications

UL, cUL, TÜV, NOM-NYCE, CE, C-Tick, meets or exceeds FCC Class B requirements
Laser: CDRH on internal laser product

Laser Safety

This unit employs a laser. Do not remove the cover or attempt to service this device when connected due to the possibility of eye damage.

Laser-Sicherheit

In das Gerät ist ein Laser eingebaut. Nehmen Sie die Abdeckung nicht ab und versuchen Sie nicht, das Gerät zu reparieren, solange es angeschlossen ist. Es besteht die Gefahr einer Augenverletzung.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser radiation exposure.

WARNUNG

Die Vornahme von Regelungen oder Einstellungen oder die Durchführung von Verfahren, die nicht in diesem Dokument angegeben sind, kann eine gefährliche Einwirkung von Laserstrahlung zur Folge haben.

Contains: Class 1 Laser Product
Innehåller: Klass 1 Laserapparat
Sisältää: Luokan 1 Laserlaite
Enhält: Klasse 1 Laser-Produkt

DANGER: INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.

DANGER: RADIATIONS INVISIBLES DU LASER EN CAS D'OUVERTURE. EVITER TOUT EXPOSITION DIRECTE AU FAISCEAU.

VORSICHT: UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.

ADVARSEL: USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDS/ETTELSE FOR STRÅLING.

ADVARSEL: USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNNGÅ EKSPONERING FOR STRÅLEN.

VARNING: OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STRÅLEN ÄR FARLIG.

VARO! NÄKYMÄTÖN AVATTAESSA OLET ALTTIINA LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEN.

Laser

Type: Semiconductor laser GaAlAs
Wave length: 778~787 nm (at 25°C)
Output power: 2.5 mW (read), 35 mW (write)
Beam divergence: 60 degrees

FCC Declaration of Conformity

According to 47CFR, Parts 2 and 15, Class B Computer Peripherals:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference (2) this device must accept any interference received including interference that may cause undesired operations. This applies to all product options.

Hewlett-Packard Company
Colorado Personal Storage Solutions Division
800 S. Taft Ave., Loveland, Colorado 80537, USA
Telephone 970-635-1500

November 2, 1998
Todd Hammel, Manufacturing Manager

<div style="border:1px solid">

DECLARATION OF CONFORMITY
according to ISO/IEC Guide 22 and EN 45014

Manufacturer's Name:	Hewlett-Packard Company
	Colorado Personal Storage Solutions Division
Manufacturer's Address:	800 S. Taft Ave.
	Loveland, Colorado 80537

declares that the product:

Product Name:	HP SureStore CD-Writer Plus 7500e, 7510e
Product Number:	C4413A, C4412A
Product Options:	All

conforms to the following Product Specifications:

	EN60950: A4:1995
Safety:	EN60825-1: 1994
	CISPR 22: 1993/EN 55022:1994 Class B
EMC:	EN 50082-1:1992
	IEC 801-2:1991 - 4kV CD, 8kV AD
	IEC 801-3:1984 - 3V/m
	IEC 801-4:1988
	1kV Power Lines
	0.5kV Signal Lines
	ENV 50140:1993 - 3V/m
	EN 61000-3-2: 1995 Class D
	FCC Part 15 Class B
	AS/NZS 3548: 1995
	IEC 555-2

Supplementary Information

The product herewith complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC and carries the "CE" mark accordingly.

November, 2, 1998	Todd Hammel, Manufacturing Manager

European contact: Your local Hewlett-Packard Sales and Service Office or Hewlett-Packard GmbH, Department HQ-TRE, Herrenberger Straße 130, D-71034 Böblingen (FAX: +49-7031-143143).

</div>

Federal Communications Commission R.F. Interference Statement

WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

■ Reorient or relocate the receiving antenna.
■ Increase the separation between the equipment and receiver.
■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
■ Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications to this equipment not expressly approved by Hewlett-Packard could result in violation of Part 15 of the FCC rules.

To maintain compliance with FCC rules and regulations, use properly shielded cables with this device.

Notice for Canada

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par le Ministère des Communications du Canada.

Notice

Europe: This drive shall be installed only with an EN60950 (IEC950) approved Power supply.

USA/Canada: This drive is for use only with IBM compatible UL listed personal computers, weighing less than 18 kg.

User's manual statement for VCCI class B product

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＢ情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると受信障害を引き起こすことがあります。
　取り扱い説明書に従って正しい取り扱いをして下さい。

Translation for VCCI class B product

This equipment is in the Class B category information technology equipment based on the rules of Voluntary Control Council For Interference by Information

Technology Equipment (VCCI). Although aimed for residential area operation, radio interference may be caused when used near a radio or TV receiver.

Read the instructions for correct operation.

BAPT Statement

Diese Ausrüstung erfüllt die Europäischen EMC-Bestimmungen für die Verwendung in folgender / folgenden Umgebung(en):

- Wohngegenden
- Gewerbegebiete
- Leichtindustriegebiete

(Diese Ausrüstung erfüllt die Bestimmungen der Norm EN55022, Klasse B.)

Korean RRL Statement

사용자 안내문 (B급 기기)

이 기기는 비업무용으로 전자파장해검정을 받은 기기로서, 주거지역은 물론 모든 지역에서 사용 할 수 있습니다.

Copyright notice for Denmark:

VIGTIGT!

Copyright ved brug af CD-Writer 7500e, 7510e enheder solgt i Danmark

I henhold til gældende dansk lov om ophavsret er det forbudt at foretage digital kopiering af et digitalt værk. CD-RW brænderen må derfor IKKE anvendes til at kopiere en musik-CD. CD-RW brænderen må desuden kun benyttes til at kopiere et digitalt EDB-program, når en sådan kopiering tjener til at fremstille et sikkerhedseksemplar af programmet eller hvor kopiering er nødvendig, for at programmet kan anvendes efter dets formål. Hvis De selv har ophavsretten til værket, har De også retten til at foretage digital kopiering med CD-RW brænderen.

Hewlett-Packard Limited Warranty Statement

HP SureStore CD-Writer Plus Drive
DURATION OF LIMITED WARRANTY   Hardware - 1 year   Software - 90 days

1.   HP warrants to you, the end-user customer, that HP hardware, accessories and supplies will be free from defects in materials and workmanship after the date of purchase, for the period specified above. If HP receives notice of such defects during the warranty period, HP will, at its option, either repair or replace products which prove to be defective. Replacement products may be either new or like-new.

2.   HP warrants to you that HP software will not fail to execute its programming instructions after the date of purchase, for the period specified above, due to defects in material and workmanship when properly installed and used. If HP receives notice of such defects during the warranty period, HP will replace software media which does not execute its programming instructions due to such defects.

3.   HP does not warrant that the operation of HP products will be uninterrupted or error free. If HP is unable, within a reasonable time, to repair or replace any product to a condition as warranted, you will be entitled to a refund of the purchase price upon prompt return of the product.

4.   HP products may contain remanufactured parts equivalent to new in performance or may have been subject to incidental use.

5.   Warranty does not apply to defects resulting from (a) improper or inadequate maintenance or calibration, (b) software, interfacing, parts or supplies not supplied by HP, (c) unauthorized modification or misuse, (d) operation outside of the published environmental specifications for the product, or (e) improper site preparation or maintenance.

6.   HP MAKES NO OTHER EXPRESS WARRANTY OR CONDITION WHETHER WRITTEN OR ORAL. TO THE EXTENT ALLOWED BY LOCAL LAW, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY SET FORTH ABOVE. Some countries, states or provinces do not allow limitations on the duration of an implied warranty, so the above limitation or exclusion might not apply to you. This warranty gives you specific legal rights and you might also have other rights that vary from country to country, state to state, or province to province.

7.   TO THE EXTENT ALLOWED BY LOCAL LAW, THE REMEDIES IN THIS WARRANTY STATEMENT ARE YOUR SOLE AND EXCLUSIVE REMEDIES. EXCEPT AS INDICATED ABOVE, IN NO EVENT WILL HP OR ITS SUPPLIERS BE LIABLE FOR LOSS OF DATA OR FOR DIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFIT OR DATA), OR OTHER DAMAGE, WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. Some countries, States or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

FOR CONSUMER TRANSACTIONS IN AUSTRALIA AND NEW ZEALAND: THE WARRANTY TERMS CONTAINED IN THIS STATEMENT, EXCEPT TO THE EXTENT LAWFULLY PERMITTED, DO NOT EXCLUDE, RESTRICT OR MODIFY AND ARE IN ADDITION TO THE MANDATORY STATUTORY RIGHTS APPLICABLE TO THE SALE OF THIS PRODUCT TO YOU.

HEWLETT-PACKARD YEAR 2000 WARRANTY

FOR CONSUMER PRODUCTS DISTRIBUTED THROUGH RESELLERS

Subject to all of the terms and limitations of the HP Limited Warranty Statement provided with this HP Product, HP warrants that this HP Product will be able to accurately process date data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000, including leap year calculations, when used in accordance with the Product documentation provided by HP (including any instructions for installing patches or upgrades), provided that all other products (e.g. hardware, software, firmware) used in combination with such HP Product(s) properly exchange date data with it. The duration of the Year 2000 warranty extends through January 31, 2001.

HP Software License Agreement

ATTENTION: USE OF THE SOFTWARE IS SUBJECT TO THE HP SOFTWARE LICENSE TERMS SET FORTH BELOW. USING THE SOFTWARE INDICATES YOUR ACCEPTANCE OF THESE LICENSE TERMS. IF YOU DO NOT ACCEPT THESE LICENSE TERMS, YOU MAY RETURN THE SOFTWARE FOR A FULL REFUND. IF THE SOFTWARE IS BUNDLED WITH ANOTHER PRODUCT, YOU MAY RETURN THE ENTIRE UNUSED PRODUCT FOR A FULL REFUND.

HP SOFTWARE LICENSE TERMS

License Grant. HP grants you a license to Use three (3) copies of the Software but only for Use in conjunction with the HP hardware product that accompanied the Software. "Use" means storing, loading, installing, executing or displaying the Software. You may not modify the Software or disable any licensing or control features of the Software.

Ownership. The Software is owned and copyrighted by HP or its third party suppliers. Your license confers no title or ownership in the Software and is not a sale of any rights in the Software. HP's third party suppliers may protect their rights in the event of any violation of these License Terms.

Copies and Adaptations. You may only make copies or adaptations of the Software for archival purposes or when copying or adaptation is an essential step in the authorized Use of the Software. You must reproduce all copyright notices in the original Software on all copies or adaptations. You may not copy the Software onto any bulletin board or similar system.

No Disassembly or Decryption. You may not disassemble or decompile the Software unless HP's prior written consent is obtained. In some jurisdictions, HP's consent may not be required for limited disassembly or decompilation. Upon request, you will provide HP with reasonably detailed information regarding any disassembly or decompilation. You may not decrypt the Software unless decryption is a necessary part of the operation of the Software.

Transfer. Your license will automatically terminate upon any transfer of the Software. Upon transfer, you must deliver the Software, including any copies and related documentation, to the transferee. The transferee must accept these License Terms as a condition to the transfer.

Termination. HP may terminate your license upon notice for failure to comply with any of these License Terms. Upon termination, you must immediately destroy the Software, together with all copies, adaptations and merged portions in any form.

Export Requirements. You may not export or re-export the Software or any copy or adaptation in violation of any applicable laws or regulations.

U.S. Government Restricted Rights. The Software and any accompanying documentation have been developed entirely at private expense. They are delivered and licensed as "commercial computer software" as defined in DFARS 252.227-7013 (Oct 1988), DFARS 252.211-7015 (May 1991) or DFARS 252.227-7014 (Jun 1995), as a "commercial item" as defined in FAR 2.101(a), or as
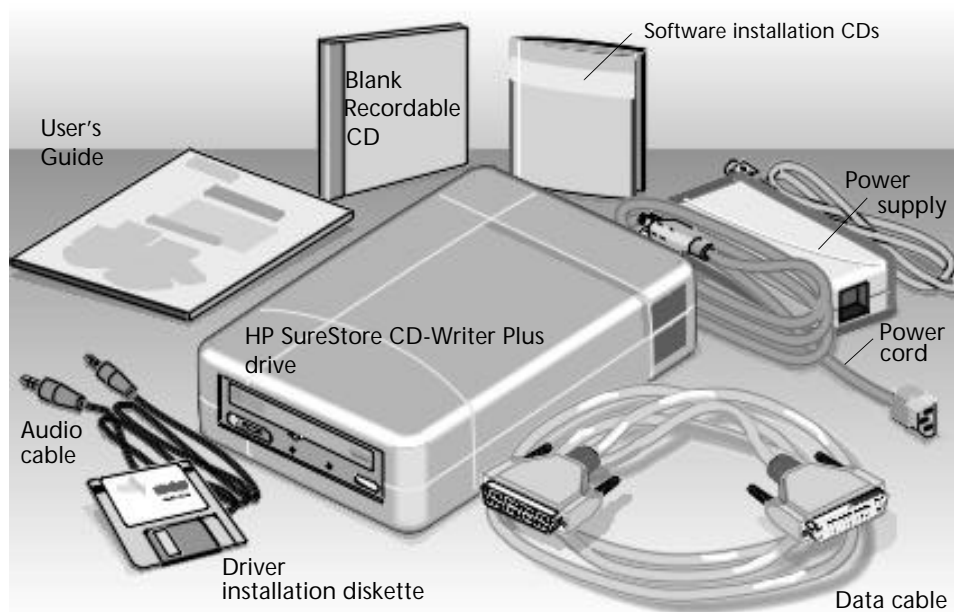
"Restricted computer software" as defined in FAR 52.227-19 (Jun 1987)(or any equivalent agency regulation or contract clause), whichever is applicable. You have only those rights provided for such Software and any accompanying documentation by the applicable FAR or DFARS clause or the HP standard software agreement for the product involved

Chapter 1:
Connecting CD-Writer Plus and Installing Software

What's in Your Package

Make sure you have the items shown below. (Keep the packaging in case you need to transport the CD-Writer Plus drive.)

Software installation CDs

Blank
Recordable
CD

User's
Guide

Power
supply

Power
cord

HP SureStore CD-Writer Plus
drive

Audio
cable

Driver
installation diskette

Data cable

1-1

Connecting CD-Writer

CAUTION: The CD-Writer Plus drive contains sensitive, high-precision optical equipment. Dropping or shaking the CD-Writer Plus drive may cause damage to these sensitive components. Please be careful when handling your drive.

*NOTE: Refer to the manual that came with your computer if you need more information than what is provided here.*

WARNING: DO NOT, under any circumstances, open the external CD-Writer Plus drive's case. If you suspect problems with your drive, service must be performed by a certified HP technician. See "Appendix B: Customer Support".

1. Shutdown Windows and turn OFF your computer.

   NOTE: The CD-Writer Plus drive can be used with laptops, desktops, and towers that meet "Minimum System Requirements" on page A-1.

2. Connect one end of the power cord into the power supply and the other end to a wall outlet or power strip. (The power plug and outlet may look different in your country.)

To CD-Writer Plus drive   Green light

Power cord
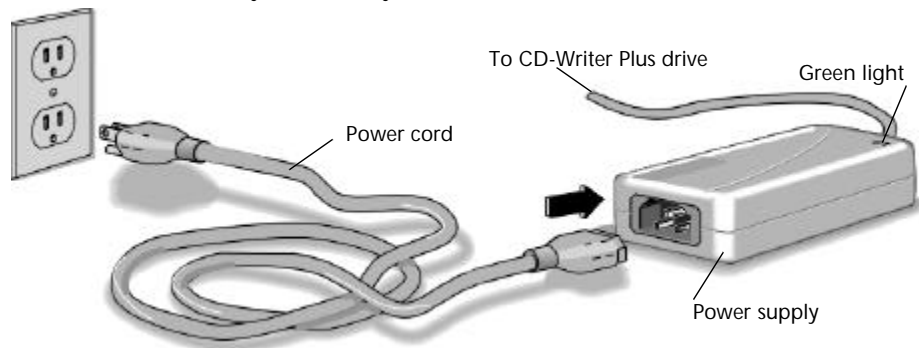
Power supply

3. Connect the power supply to the power connector on the back of the CD-Writer Plus drive, with the arrow on the cable facing up.

To power supply

(arrow up)

Power connector
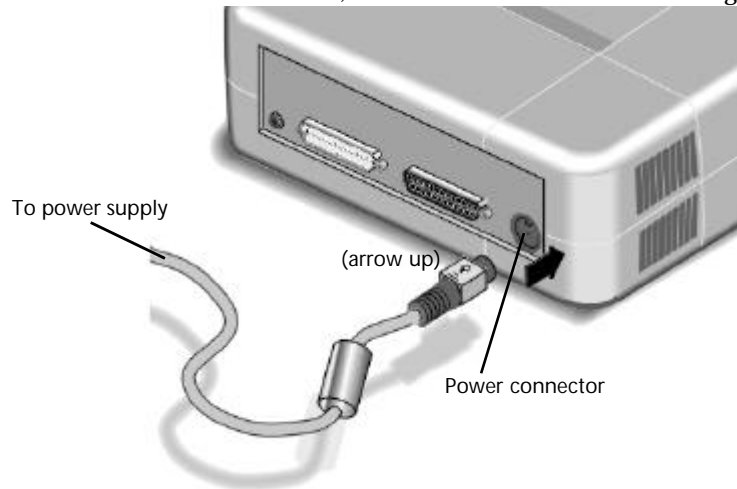
Check that you have power to the CD-Writer Plus drive by opening and closing the CD tray by pressing the eject button.

NOTE: There is no power switch on the CD-Writer Plus drive or power supply. The energy-efficient power supply automatically switches into power-saving mode when the drive is not in use, and may be safely left plugged in at all times. However, you may safely unplug the power supply without causing damage to the CD-Writer Plus drive.

4. Locate the parallel port (printer port) connector on your computer.

If you are having trouble finding the parallel port connector, your printer may already be attached to it. The CD-Writer Plus drive can share the parallel port with your printer.
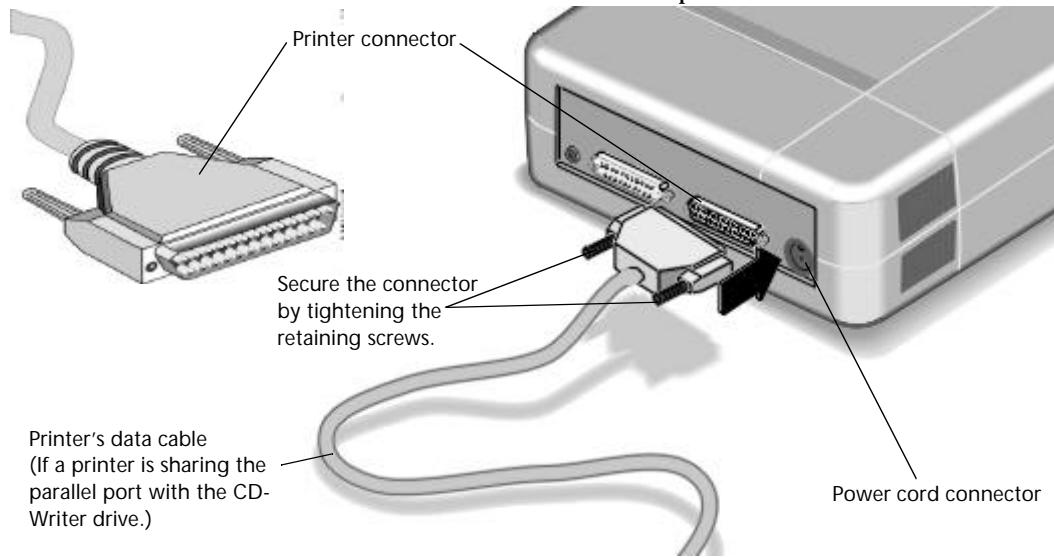
Parallel ports have receptacles for 25 pins.

Select an available parallel port.

TIP: Your CD-Writer Plus drive can share a parallel port with a printer.

If the CD-Writer Plus drive and your printer will share the parallel port, go to the next step.

If the CD-Writer Plus drive will not share the parallel port with your printer, proceed to step 6.

5. If you have a printer cable attached to the computer's parallel port, disconnect it from the computer and plug it into the CD-Writer Plus drive's connector that is closest to the power cord connector.

Printer connector

Secure the connector by tightening the retaining screws.

Printer's data cable
(If a printer is sharing the parallel port with the CD-Writer drive.)

Power cord connector

CAUTION: Do not plug any device other than a printer into the CD-Writer Plus drive's printer connector.

NOTE: If your printer is attached to the CD-Writer Plus drive, printing documents while using the rewritable CD drive (for example, playing audio CDs, writing to disc) will yield unpredictable results and is not a supported function. This is because the printer and CD-Writer Plus drive are sharing the same data cable.

6. Attach the CD-Writer Plus drive's data cable to your computer's 25-pin parallel port connector and hand tighten the retaining screws.

Attach the data cable's remaining connector to the rewritable drive and secure it by tightening the retaining screws.

Attach this end to the computer's parallel port.

Attach this end to the CD-Writer Plus drive.

CD-Writer Plus drive's data cable
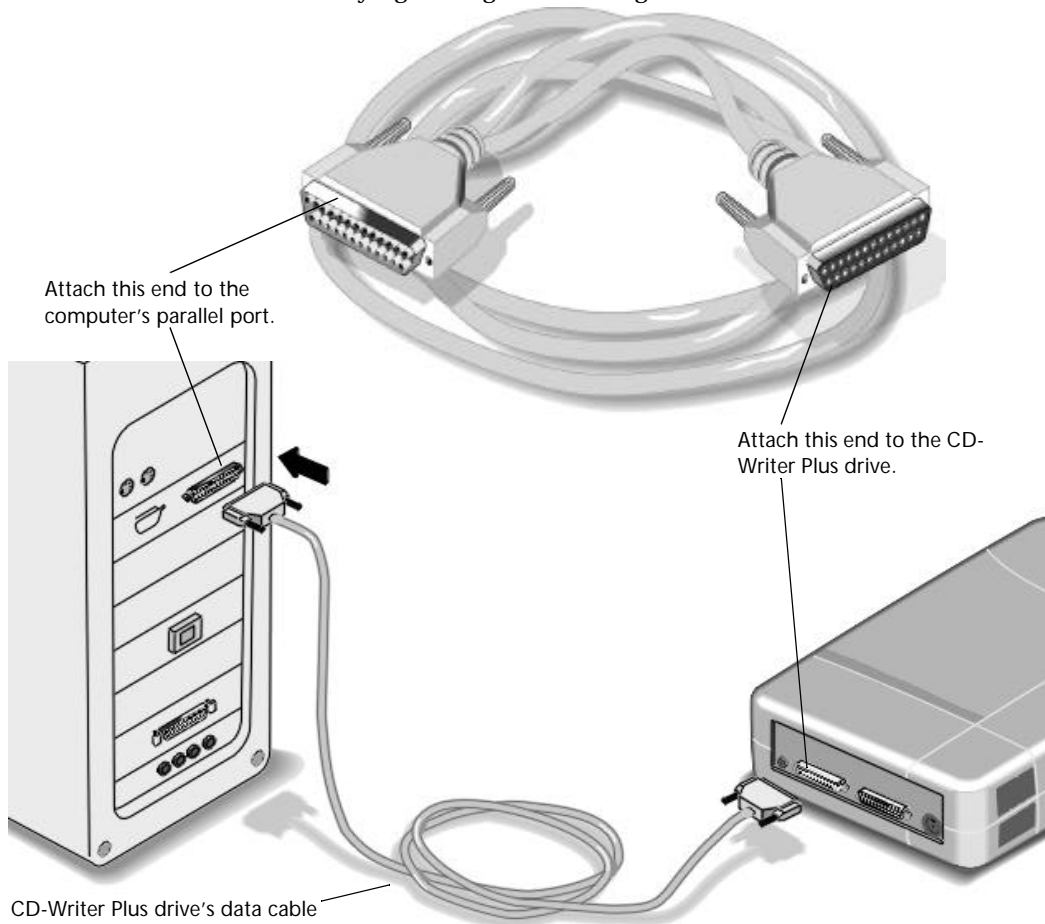
7. Connecting the audio cable is OPTIONAL. If you do not wish to use it, go to step 10.

   The audio cable is used only for hearing music CDs through your computer's sound system. If you do not have a sound board in your computer, you can still hear music CDs through speakers or earphones attached to the front of the CD-Writer Plus drive.

   NOTE: When the CD-Writer Plus drive records music or data, it uses the data cable, not the audio cable.

8. If you have a sound board, connect the audio cable to a **LINE IN** audio connector on the back of your computer. (Your sound board may be labeled differently.)

9. Connect the other end of the audio cable to the audio connector on the back of the CD-Writer Plus drive.

LINE IN connector on sound board (Your sound board may be labeled differently.)

Audio connector

Audio cable (optional)
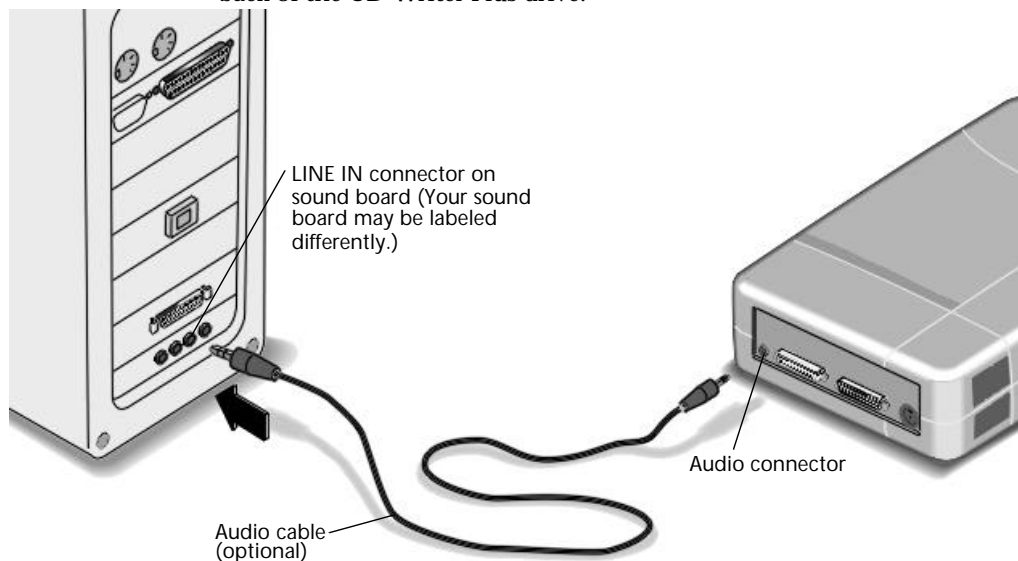
10. Plug in and turn ON your computer.

11. You are now ready to install the parallel port drivers and the application software. (See "Installing the Software for Windows 95/98, or Windows NT 4.0" on page 1-8.)

If You Have Problems

After connecting your CD-Writer Plus drive and turning on your computer, the computer should start (boot) as it normally does. If it does not, check the following items:

- Is the computer power plugged in?

- Is each device plugged in and turned on?

- Are all cables properly plugged into the back of your computer and the CD-Writer Plus drive?

- Try turning off your computer. Wait at least 20 seconds before turning it back on.

Installing the Software for Windows 95/98, or Windows NT 4.0

After the CD-Writer Plus drive is attached to your computer, you are ready to install the application software.

If your computer DOES have a CD-ROM drive:

1. Insert the CD labeled "Software Disc 1" into your CD-ROM drive (not the CD-Writer Plus drive). The main menu appears:

Click the Install CD-Writer Plus icon

If the main menu does not appear automatically, click on the **Start** button on the task bar, select **Run**, type D:\SETUP (where D: is your CD drive's letter), then click on **OK**.

2. Click on the **Install CD-Writer Plus** icon. Follow the instructions on the screen.

   If your computer DOES NOT have a CD-ROM drive:

1. To get your CD-Writer Plus started right away, insert the diskette labeled *Driver Installation* into your floppy drive.

2. Click the **Start** button on the task bar, select **Run.**

3. Type A:\SETUP (where A: is your floppy drive's letter), and press ENTER. The parallel port driver files are installed. This may take several minutes and your mouse cursor will not move.

4. If prompted to do so, reboot your computer.

5. Insert the CD labeled "Software Disc 1" into your new CD-Writer Plus drive.

   If the main menu does not appear automatically, click on the **Start** button on the task bar, select **Run**, type D:\SETUP (where D: is your CD drive's letter), then click on **OK**.

6. Click on the **Install CD-Writer Plus** icon. Follow the instructions on the screen.

If You Have Problems

Things to Try First

■   Make sure the computer and each device is plugged in and turned on.

■   Does your computer meet the minimum system requirements listed in "Minimum System Requirements" on page A-1?

■   Turn off the computer's power, wait 20 seconds, then turn it on again. Unplug the CD-Writer Plus drive and plug it in again. (This is called *cycling power.*)

■ Disconnect all the cables, look for and straighten any pins, and then reconnect the cables. Sometimes just reconnecting a cable aligns it correctly or adjusts the pin connections, fixing a faulty connection.

■ Check the list of known compatibility problems (on page 3-7) and in the Readme file.

■ Make sure that there is no switch box anywhere in the CD-Writer Plus drive's cabling configuration.

■ If you have a printer connected to the CD-Writer Plus drive, check to see if your computer can detect the CD-Writer Plus drive when the printer is disconnected.

■ Check to make sure that your parallel port is truly configured as either EPP or ECP. Check the manual that came with your computer to find out how.

Check for a conflict with the parallel port (some other device using the same IRQ or I/O as the parallel port).

In Windows 95 or Windows 98, to find out if there is a conflict:
- Right-click on the **My Computer** icon
- Select **Properties**
- Select the **Device Manager** tab:
  Under the heading **SCSI Controllers**, find **Shuttle EPAT External ATAPI Adapter**, and select **Properties**
    AND
  Under the heading **Ports**, find **Printer Port**, and select **Properties**

  If you see a *yellow exclamation mark* to the left of this line, you do have a conflict. Determine which other device is using the same settings as your parallel port and change the settings on the other device.

If you discover you do have a conflict, to find out which device is in conflict:

■ *In Windows 95 or Windows 98,* right-click on the **My Computer** icon, select **Properties**, select the **Device Manager** tab, double-click on the computer icon to see a list of which device is using each resource setting on your computer.

Error message when I double-click on the CD-Writer Plus drive's icon

■ There is no CD in the CD-Writer Plus drive; insert a CD and try again.

■ After inserting a CD, you need to wait a moment to let the CD-Writer Plus drive read the disc information (wait until the light on the front of the drive stops flashing and stays green), then click on the CD-Writer Plus drive's icon again.

■ The CD may be in the tray upside-down or a little off-center; try reinserting the CD. The label should be facing up.

■ You are trying to read from a blank recordable CD. Try again after copying some information to the CD.

In Windows Explorer, unable to see the CD label or all the sessions/files on the CD

Refresh the screen. Select the **My Computer** icon in Windows Explorer and press **F5**.

Printer no longer works after connecting the CD-Writer Plus drive

Problems printing a file

■ See *"Check for a conflict with the parallel port (some other device using the same IRQ or I/O as the parallel port)." on page 1-10.* For example, a sound board or fax/modem board may be using the same IRQ. If you discover conflicts, change the IRQ setting on the other device. Refer to the manuals that came with your computer and other devices for instructions.

■ If your printer is attached to the CD-Writer Plus drive, printing documents while using the rewritable CD drive (for example, playing audio CDs, writing to disc) will yield unpredictable results and is not a supported function. This is because the printer and CD-Writer Plus drive are sharing the same data cable.

System does not recognize the CD-Writer Plus drive

■ *In Windows 95 or Windows 98* simply click on the **Connect or Disconnect external drive** icon on your desktop.

Select **Shuttle EPAT External ATAPI Adapter***,* then click **Disconnect**.

Restart your computer, or shut it down and then turn it on again. Watch for the green light on the front of the CD-Writer Plus drive to blink as the computer boots up

Select **Shuttle EPAT External ATAPI Adapter***,* then click **Connect**.

■ Make sure the CD-Writer Plus drive's cables are connected properly.

■ See *"Check for a conflict with the parallel port (some other device using the same IRQ or I/O as the parallel port)." on page 1-10.* For example, a sound board or fax/modem board may be using the same IRQ. If you discover a conflict(s), change the setting on the other device. Refer to the manuals that came with your computer and other devices for instructions.

■ The power supply should have a steady green light when connected at both ends. If it is flashing, try a different power outlet. If it is still flashing the power supply could be damaged.

Uninstalling the Software Programs

You can remove all of CD-Writer Plus's programs or individual programs.

CAUTION: If you want to reinstall the CD-Writer Plus drive's software, first be sure to uninstall the original software.

1. Click the **Start** button.

   ■ Point to **Programs**.

   ■ Point to **HP CD-Writer Plus**.

   ■ Point to **Tools & Information.**

   ■ Point to **Utilities.**

   ■ Click **Uninstall**.

2. Select the CD-Writer Plus drive's program(s) that you wish to remove.

3. Click the **Finish** button.

   The software is removed, including all related entries in your system registry.

Moving CD-Writer Plus to Another Computer

CAUTION: The CD-Writer Plus contains sensitive, high-precision optical equipment. Dropping or shaking the CD-Writer Plus may cause damage to these sensitive components. Please be careful when handling your drive.

You can disconnect the CD-Writer Plus drive and move it to another computer, as long as the other computer meets the "Minimum System Requirements" on page A-1.

The CD-Writer Plus drive can be used by only one computer at a time. Do not try to use the CD-Writer Plus drive on more than one machine by attaching it to a switch box.

To disconnect the CD-Writer Plus drive:

1. *In Windows NT*, go to step 2.

   In Windows 95 or Windows 98, click on the **Connect or Disconnect external drive** icon on the desktop.

   Select **Shuttle EPAT External ATAPI Adapter**, then click **Disconnect**.

2. Unplug the CD-Writer Plus's power supply from the outlet or power strip. (The power plug and outlet may look different in your country.)
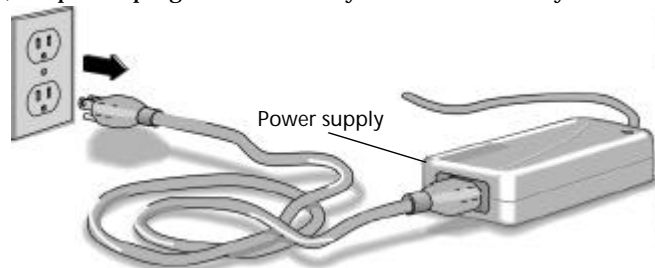
   Power supply

   NOTE: There is no power switch on the CD-Writer Plus drive or power supply. You may safely unplug the power supply without damage to the CD-Writer Plus drive.

3. Disconnect the CD-Writer Plus data cable and audio cable (if any) from the back of the computer.

Data cable
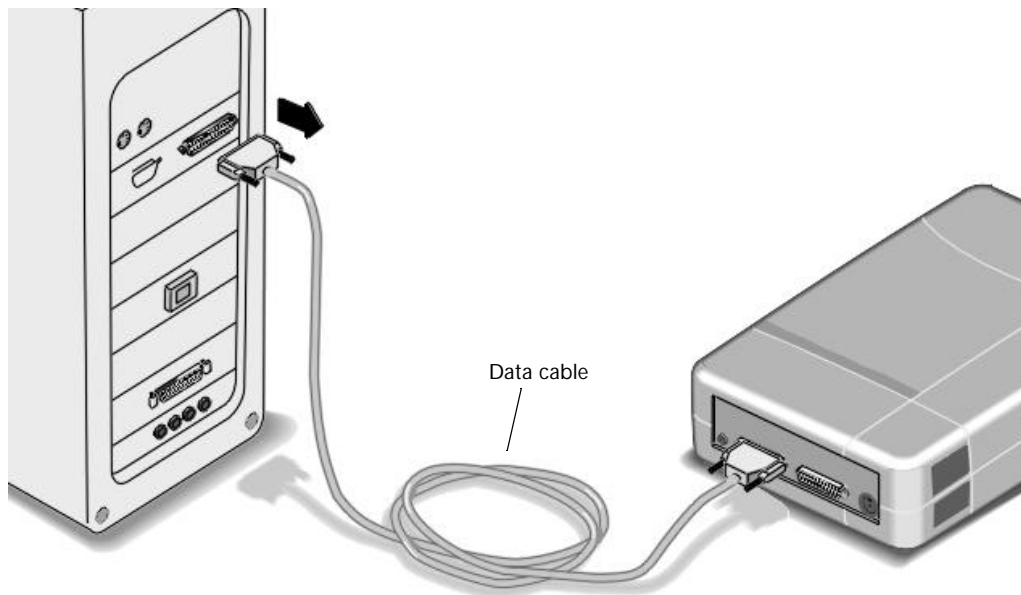
4. Disconnect the printer cable (if any) from your CD-Writer Plus drive and reconnect it to the printer port on the back of your computer (other cables not shown but still attached).

5. You are ready to connect the CD-Writer Plus drive to another computer.

To connect the CD-Writer Plus drive to another computer:

1. Follow the directions for "Connecting CD-Writer" on page 1-2.

2. The first time you attach the CD-Writer Plus drive to this computer, follow the directions in "Installing the Software for Windows 95/98, or Windows NT 4.0" on page 1-8.

Each additional time, after connecting all the cables:

■ *In Windows NT*, reboot your computer.

■ *In Windows 95 or Windows 98*, simply click on the **Connect or Disconnect external drive** icon on your desktop.

Select **Shuttle EPAT External ATAPI Adapter**, then click **Connect**.

Chapter 2:
Using Your CD-Writer Plus

This chapter describes how to use, purchase, and care for CDs; how to take care of your drive; and how to find out its drive letter.

Using CDs

Inserting a CD

1. Press the eject button on the CD-Writer Plus front panel.

2. Set the CD in the tray with the labeled side up.

Eject button

2-1
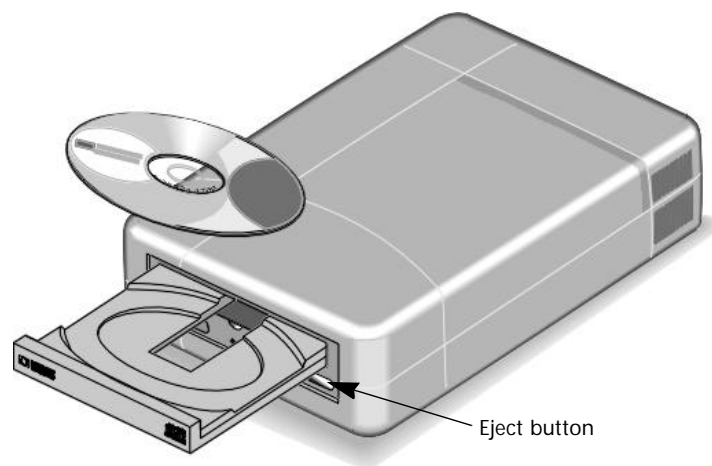
3. Press the eject button again or push gently on the front of the tray to shut the tray.

   When you access the CD-Writer Plus drive from within a program, you should be able to read the files on the inserted CD. If you have problems:

   ■ The CD may be in the tray upside-down or a little off-center; try reinserting the CD. The label should be facing up.

   ■ After inserting a CD, you need to wait a moment to let the CD-Writer Plus drive read the disc information (wait until the light on the front of the drive stops flashing and stays green), then click on the CD-Writer Plus drive's icon again.

   ■ Are you trying to read from a blank recordable CD? Try again after copying some information to the CD.

Removing a CD

1. Press the eject button on the CD-Writer Plus front panel.

2. Remove the CD from the tray.

3. Press the eject button again or push gently on the front of the tray to shut the front panel.

Choosing CDs for Your CD-Writer

For best results, use Hewlett-Packard CD-RW (ReWritable) or CD-R (Recordable or write-once) media, available from your local vendor.

When to Use CD-RW

Ideas for using CD-RW (ReWritable) discs which can only be used in CD-ReWritable drives or newer MultiRead CD-ROMs:

■ Use as if it were a large-capacity floppy disk

■ Copy your important files each week

■ Free up disk space on your hard drive

■ Transport files to and from work/home

■ Create personalized presentations

■ E-mail storage

For information on sharing CD-RW discs with others, see "Using CD-RW Discs" on page 4-1.

When to Use CD-R

Ideas for using CD-R (Recordable or write-once) discs which can be read in most CD-ROM or CD-Recordable drives:

■ Permanently save large project files

■ Share non-editable presentations

■ Permanently store home records

■ Share memories with family and friends

■ Copy your music onto CD for personal use

■ Permanently archive files

Purchase HP CD-RW (ReWritable) media

Available from your local vendor, these CDs can be recorded or read in CD-ReWritable drives and read in newer MultiRead CD-ROMs.

Purchase HP CD-R (Recordable or write-once) media

Available from your local vendor, these CDs can be read by most CD-ROM, CD-Recordable, and CD-ReWritable drives. (Use this type of media if you want to listen to your music CDs in a stereo.)

CD Care and Other Tips

■ Protect recording surfaces from scratches, fingerprints, and dirt.

■ Hold CDs by the outer edge or by the center hole.

■ You can clean a CD with a soft, dry cloth. Commercial CD cleaner or ethyl alcohol can also be used

■ Write by hand only on the "white" premarked label side using an oil based felt tip marker. Do not use a ballpoint pen.

■ Do not leave a CD in direct sunlight or in a hot, humid location.

■ If you lose power while writing to your CD (the CD-Writer Plus drive's red light is on) OR if you exit an application or press CTRL-ALT-DEL

while writing to CD, you may be able to salvage your CD, but ONLY if you:

1. LEAVE YOUR CD IN THE DRIVE, DO NOT OPEN THE CD TRAY
2. Turn your machine off
3. Turn it back on
4. Then re-enter the application you were using

Once the application tries to access the CD-Writer Plus drive, the recovery operation will make it appear that the last session is there. However, in reality, only a part of the CD's directory may be there. Your recordable CD is still usable if you can read the directory. Repeat the entire copy operation to make sure that your files are copied to the recordable or ReWritable CD.

■ Do not mix audio and data files on the same CD, since they require different formats, unless you are creating Mixed Mode or CD-Extra CDs. For more information on Mixed Mode and CD-Extra CDs, see the Easy-CD Creator online help.

Maintenance

The CD-Writer Plus drive requires no maintenance or cleaning. If you simply keep your CDs clean, you will prevent most problems.

CAUTION: DO NOT use the CD-ROM cleaning CDs that rely on a small brush to sweep dirt off the laser. DO NOT use high-pressure air to clean the inside of the drive. These cleaning techniques will damage the CD-Writer Plus drive.

Identifying CD-Writer Plus's Drive Letter

Not sure which drive letter was assigned to the CD-Writer Plus drive?

The CD-Writer Plus drive has a drive icon just like a CD-ROM drive icon. You can determine which icon is your CD-ROM drive and which icon is your CD-Writer Plus drive by double-clicking on the **My Computer** icon, right-clicking on the **CD drive** icon, and selecting **Eject**.

Chapter 3:
Problem Solving

Read this section if you run into trouble with your CD-Writer Plus drive. If after reviewing the section you need further assistance, call the phone numbers listed in "Appendix B: Customer Support"

Gather the information on page B-1 before calling for help. *Having this information ready will greatly facilitate your call.*

Things to Try First

■ Does your computer meet the minimum system requirements (see"Minimum System Requirements" on page A-1)?

■ Make sure your computer and CD-Writer Plus drive are plugged in and that each device attached to your computer is turned on.

■ Turn off the computer's power, unplug the CD-Writer Plus drive, and wait 20 seconds. Then plug in the CD-Writer Plus drive and turn on your computer. (This is called *cycling power.*)

■ Disconnect all the cables and then reconnect them. Sometimes just reconnecting a cable aligns it correctly or adjusts the pin connections, fixing a faulty connection. (Check for bent pins on the connectors and straighten them.)

■ Make sure that you are using the right type of CD. See "Choosing CDs for Your CD-Writer" on page 2-2.

■ Try the operation with a different CD.

■ Check the list of known compatibility problems (page 3-7) and in the Readme file.

3-1

■ If your computer has a power-management feature, disable it (see the manual that came with your computer).

■ If your system is running printer status monitor software, disable it (page 3-7).

■ Make sure that you are not attaching a parallel port switch box anywhere in the CD-Writer Plus drive's cabling configuration.

Common Symptoms and Solutions

■ Not sure which drive letter was assigned to the CD-Writer Plus drive? (See "Identifying CD-Writer Plus's Drive Letter" on page 2-4.)

■ Error message when I double-click on the CD-Writer Plus drive's icon (see page 1-10)

■ In Windows Explorer, unable to see the CD label or all the sessions/ files on the CD (see page 1-11)

■ Printer no longer works after connecting the CD-Writer Plus drive (see page 1-11)

■ Problems printing a file (see page 1-11)

■ System does not recognize the CD-Writer Plus drive (see page 1-11)

■ Copying directly from one CD to another doesn't work. (see page 3-3)

■ Audio sounds poor (see page 3-3)

■ Video is choppy (see page 3-4)

■ Buffer underrun error messages (see page 3-4)

■ Unable to read a second session reading from a CD-ROM drive (see page 3-5)

■ Applications cannot find your CD in the CD-Writer Plus drive (see page 3-6)

■ Lost power to your computer or had to press CTRL-ALT-DEL while writing to the CD! (see page 3-6)

■ Hard Drive Compression Software (see page 3-7)

■ Achieving optimal performance (see page 3-7)

■ Printer Status Monitor Software (see page 3-7)

■ Known Compatibility Problems (see page 3-7)

■ Finding the CD-Writer Plus driver files. (see page 3-8)

Copying directly from one CD to another doesn't work.

⚠ *WARNING: Only reproduce material for 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, contact your legal advisor.*

■ Some CD-ROMs will not allow direct copying to the CD-Writer Plus drive or are not capable of digital audio extraction.

■ You must have either a SCSI 2 CD-ROM drive (see the drive's guide for information) or a supported ATAPI CD-ROM drive as your source.

■ Some CDs have a copy prevention feature or other features that do not allow a CD-to-CD copy.

Audio sounds poor

■ If your printer is attached to the CD-Writer Plus drive, printing documents while playing audio CDs will yield unpredictable results and is not a supported CD-Writer Plus drive function. This is because the printer and CD-Writer Plus drive are sharing the same data cable.

■ Make sure the audio connectors are completely plugged in to the back of the CD-Writer Plus drive and the LINE IN connector of the sound card on the back of the computer. (Your sound board may be labeled differently.)

■ Verify that you do not have a sound-muting feature turned on, by way of the monitor or software.

■ Check the sound coming from the CD-Writer Plus drive by plugging earphones or speakers to the audio connector on the *front* of the CD-Writer Plus drive. If the sound quality is good, the problem is probably with the sound board, speakers, or audio cable. Refer to the documentation that came with your sound board and speakers for help. If you are not already doing so, try using the audio cable that came with the CD-Writer Plus drive.

■ Try listening to the wave files on your hard drive to see if they sounded poor before copying them to CD. (You can use the Media Player program found under Multimedia in Windows' Accessories.)

Chapter 3: Problem Solving

Video is choppy

This can be caused by the same situations that cause buffer underruns. This can also happen if your video card is slow. Try the following:

■ Try the solutions for buffer underruns (page 3-4).

■ Reduce the size of the video window and close any other programs that are running.

■ If the previous suggestions don't work you may want to consider upgrading your video card.

Buffer underrun error messages

CD recordable devices require an uninterrupted data stream from the hard drive in order to write successfully to a CD. A buffer underrun message appears when for some reason the data stream is interrupted. This can occur, for example, if another application interrupts the writing process, or if the CD-Writer Plus drive's write speed is set too high for the speed at which the hard drive can accesses and transfer data.

When using Easy-CD Creator or CD Copier:

■ Make sure you use the Test option in the software to ensure that the write speed is appropriate for your computer. For more information see the application's online help.

■ Make sure your system meets the minimum system requirements (page A-1).

■ Buffer underrun may be caused by hard drive compression software (page 3-7).

■ NEVER write to the recordable CD while other applications are running that could interrupt the writing-to-CD process. Log off any networks, disable any fax modem, email, screen saver, or other programs (such as TSRs, terminate-and-stay-resident programs) that may automatically send messages to your computer while writing data to the CD. If the interruption is long enough, you could ruin a write-once CD to which you are writing.

■ Exit *any* other programs while writing data to the CD.

■ If your computer has a power-management feature, disable it (see the manual that came with your computer).

■ Run SCANDISK.EXE and DEFRAG.EXE periodically on your hard drive (see your Windows manual for more information). These

programs improve access times to the hard drive, which will help improve system performance while writing to and reading from the CD-Writer Plus drive.

- A small number of older hard drives are designed with a built-in interrupt loop that may cause a buffer underrun. If you are unable to resolve buffer underruns by any other means, contact your hard drive manufacturer to find out if this is the case for your hard drive.

Buffer underruns could also be caused by an unsupported parallel port (standard mode SPP). See "Minimum System Requirements" on page A-1. Try the following:

- Write data to the CD at 1x speed if you are given the choice within the software.

- Disable any printer status monitor software (page 3-7).

- Change the parallel port settings to EPP or ECP in CMOS, if your computer can support the change. See the manual that came with your computer to find out how.

- If the previous suggestions don't work you may want to consider installing a new EPP or ECP parallel port card.

Unable to read a second session reading from a CD-ROM drive

- Eject the CD and reinsert it.

- Refresh the screen. Select the **My Computer** icon in Windows Explorer and press **F5**.

- CD-RW (ReWritable) discs can only be used in CD-ReWritable drives or newer MultiRead CD-ROMs.

- *If you are trying to read your CD from Windows 3.x:* Multi-session CDs created with Direct CD cannot be read in DOS or Windows 3.x. If your multi-session CD was created using some other program, verify that you are using version 2.23 of the MSCDEX.EXE file. First, restart your computer and when you see "Starting MS-DOS..." appear on your monitor, press F8. Each line in your CONFIG.SYS and AUTOEXEC.BAT file will load one at a time. Press "Y" until you see a line containing "MSCDEX.EXE". Then press "Y" and the version number of your MSCDEX file will display. The number must be 2.23 or greater. Call Microsoft for an updated file if you need it.

- See if the CD-Writer Plus drive or other CD-ROM drives can read the CD. If so, the problem is probably with the CD-ROM drive. Contact the manufacturer of this drive for updated drivers.

Chapter 3: Problem Solving

Applications cannot find your CD in the CD-Writer Plus drive

Some programs (CD-ROM games, etc.) look only for the first logical drive letter assigned to a CD-ROM drive or CD-Writer Plus drive. For example, if your CD-ROM drive is assigned drive D:\ and the CD-Writer Plus drive is assigned drive E:\, the program is looking for the CD only in drive D:\ and will not see the CD in drive E:\. If you want to use the CD-Writer Plus drive for these types of programs, reassign the drive letters, making the CD-Writer Plus drive come before the CD-ROM drive, as follows:

■   *In Windows 95 or Windows 98*, display the Device Manager and double-click on **CDROM**. Double-click on the CD-ROM drive, and then click on the **Settings** tab. Under Reserved drive letters, select the drive letter *after* the existing letter (for both start and end drive letter) and click on **OK**. Then double-click on the CD-Writer Plus drive, and then click on the **Settings** tab. Under Reserved drive letters, select the drive letter *before* the current one and click on **OK**.

■   *In Windows NT*, click on **Start/Programs/Administrative Tools(common)**. Choose **Disk Administrator**. Right-click on the drive letter you wish to change. Select **Assign Drive Letter**. Change the drive letter.

Lost power to your computer or had to press CTRL-ALT-DEL while writing to the CD!

If you lose power while writing to your CD (the CD-Writer Plus drive's red light is on) OR If you exit an application or press CTRL-ALT-DEL while writing to CD...

You may be able to salvage your CD, but ONLY if you:

1.   LEAVE YOUR CD IN THE DRIVE, DO NOT OPEN THE DISC TRAY
2.   Turn your machine off
3.   Turn it back on
4.   Then re-enter the application you were using

Once the application tries to access the CD-Writer Plus drive, the recovery operation will make it appear that the last session is there. However, in reality, only a part of the CD's directory may be there. Your recordable CD is still usable if you can read the directory. Repeat the entire copy operation to make sure that your files are copied to the recordable or ReWritable CD.

Hard Drive Compression Software

We do not recommend using hard drive compression software. If you use hard drive compression software, it estimates free hard drive space based upon a compression ratio (often user selectable). Programs may check your hard drive for space needed and may think you have the necessary free space. However, depending on the type of files you are copying, you may in fact not have enough hard drive space.

Achieving optimal performance

Run SCANDISK.EXE and DEFRAG.EXE on your hard drive before using your CD-Writer Plus drive for the first time (see your Windows manual for more information). Then run them periodically after that. These programs improve access times to the hard drive, which will help improve system performance while writing to and reading from the CD-Writer Plus drive.

Printer Status Monitor Software

NOTE: This is only an issue if your printer is connected to the back of the CD-Writer Plus drive.

If your printer came with a program that notifies you about the status of the printer (such as when it is out of paper), this *printer status monitor* software might cause problems. The *printer status monitor* software checks the status of your printer every few seconds. If this happens while you are writing data to your recordable CD, it will cause data corruption. Turn off the *printer status monitor* software to prevent this problem. Check the information that came with your printer to find out how to do this.

Known Compatibility Problems

■ Check the Readme file that came with the CD-Writer Plus drive for additional information. Click on **Start**, then point to **Programs**, **HP CD-Writer Plus**, **Tools and Information**, **User Reference** then click **README.TXT**.

■ Check the HP web site listed on page B-4 for the most recent information.

■ Printers in General
If your printer came with a program that notifies you about the status of the printer (such as when it is out of paper), this *printer status monitor software* might cause problems. The *printer status monitor* software checks the status of your printer every few seconds. If this happens while you are writing data to your recordable CD with the

Chapter 3: Problem Solving

Easy-CD Audio or CD Copier software, it will cause data corruption. Turn off the *printer status monitor* software to prevent this problem. Check the information that came with your printer to find out how to do this.

Finding the CD-Writer Plus driver files.

■   *In Window 95/98,* the following file is needed for your CD-Writer Plus drive to work successfully attached to a parallel port:
EPATAP9X.MPD (mini port driver file)

This file will be copied from *Software Disc 1* during installation and located in the \WINDOWS\SYSTEM\IOSUBSYS\ directory.

■   *In Window NT,* the following files are needed for your CD-Writer Plus drive to work successfully attached to a parallel port:
EPATAPNT.MPD (mini port driver file)
SHARSHTL.SYS (printer driver support file)

These files will be copied from *Software Disc 1* during installation and located in the \WINNT\SYSTEM32\DRIVERS\ directory.

Chapter 4:
Sharing Your CDs

How you write your data to CD and the type of CDs that you use will determine who else can read the data from your discs. This chapter briefly explains some of the options you have in creating CDs that can be shared with others using different computer and CD setups.

Varying Formats

CD technology has progressed rapidly over the last few years from CD-ROM to writable CD, and on to the technology you now own in your rewritable CD-Writer Plus. One of the results of these developments is that data can be written in several formats and on different types of CDs.

Sharing CDs across Different Formats

Using CD-RW Discs

When should I use CD-RW discs?

CD-RW media is the ideal solution if you need more storage space on your computer. Your CD-Writer Plus drive, coupled with CD-RW media, can function as an extension of your hard drive. You can write, erase, and rewrite data easily from applications and from the Windows Explorer. Use CD-RW media:

- To save work in progress like presentations, documents, etc.

- Make weekly archives of files on your hard drive.

- Shuttle files between the office and home if you have a CD-Writer Plus at each location, or have an external CD-Writer Plus to use on both computers.

4-1

Can I share a CD-RW disc?

Yes. You can share a CD-RW disc directly with someone owning another CD-RW drive or with someone that has a MultiRead CD-ROM drive and UDF reader software. MultiRead CD-ROM drives are a recent innovation to CD-ROM technology, so while not all CD-ROMs are MultiRead, they are available to users world wide.

Can I make a diskette with UDF reader software for someone that has a MultiRead CD-ROM?

The instructions below will show you how to copy the Adaptec DirectCD (UDF) Reader onto a diskette. When you have finished you will be able to install the UDF reader onto computers with MultiRead CD-ROMs where you want to read your CD-RW discs.

To copy the Adaptec DirectCD (UDF) Reader to a diskette:

1. Insert "Software Disc 1" into the CD-ROM drive. A menu will appear.

2. From the menu, click **Explore the CD**.

3. Double-click the **CopyDisk** folder and then double-click **Copydisk**.

4. Select the Adaptec DirectCD Reader option and follow the instructions.

How do I know if a CD-ROM is MultiRead?

Look for the MultiRead certification logo on the CD-ROM's packaging or users guide. The drive will be described as MultiRead certified or will list CD-RW as supported media. You can also put a CD-RW disc in your CD-ROM and see if it can read it.

What if I want to share with users that have standard CD-ROM drives? (In Windows 95, Windows 98, and Windows NT 4.0)

In general, you must copy your information to a CD-R disc to share it with users that have standard CD-ROM drives. To accomplish this:

1. Insert your CD-RW disc in your CD-Writer Plus drive.

2. Copy all the information from the CD-RW disc to a unique location on your hard drive.

3. Replace the CD-RW disc in your CD-Writer Plus with a blank CD-R disc.

4. Copy the information from your hard drive to the CD-R media using DirectCD.

5. When you eject the disc, DirectCD prompts you to either leave the disc as it is, or organize the disc so it can be read in most standard CD-ROM drives. Select the option to organize the CD so it can be read in most standard CD-ROM drives.

 NOTE: For additional information on sharing CDs with Windows 3.x and DOS users, see "CD-R discs created with DirectCD." on page 4-3.

Can I play an audio disc I made on a CD-RW disc in my car or home CD player?

Probably not. Most car and home CD players are not capable of reading information off of CD-RW media. You must record your audio on CD-R discs to play them on most conventional CD players. There are however some newly released auto and home CD players that can read the CD-RW media.

Using CD-R Discs

When should I use CD-R discs?

The data you put on a CD-R can't be erased. Use CD-R discs:

■ When you want to protect your data so that it cannot be erased

■ If you want to share your CD with users that have standard CD-ROM drives

■ For audio CDs

Can I automatically share a CD-R with anyone?

Not necessarily. The software application you use will determine with whom you can easily share the CD.

CD-R discs created with DirectCD.

Use DirectCD when you want to create data CDs to use on your own computer. For instructions on how to use DirectCD go to "Making Data CDs to Use on Your Own Computer" on page 5-1.

When you eject the disc from the drive, DirectCD will prompt you to either leave the disc as it is so you can add more data later, or organize it so it can be read in most standard CD-ROM drives under Windows 95 or Windows NT 4.0 Service Pack 3. If you intend to share the disc with other users, then you must select the option to organize it so it can be read in most standard CD-ROMs.

Chapter 4: Sharing Your CDs

■ **Windows 95, Windows 98, and Windows NT 4.0.** Your CD-R organized to be read in most standard CD-ROMs is now ready to be shared with Windows 95, Windows 98, and Windows NT 4.0 users.

There may be some CD-ROMs that can't read the CD-R. If you have problems try turning off the "Read Ahead" on your CD-ROM. Refer to your operating system documentation on how to do this. Another option is to use CD Copier to create a disc copy of your original CD-R disc. A description of how to do this can be found in the section "Making a Copy of a CD" on page 8-3.

■ **Windows 3.x and DOS.** Your CD-R organized to be read in most standard CD-ROMs under Windows 95 and Windows NT cannot automatically be read in Windows 3.x or DOS. Some additional steps are required if you want to share this disc with Windows 3.x or DOS users. You will need to create a copy of your original CD-R disc on another piece of CD-R media using the CD Copier application. This will write a disc in the proper format for Windows 3.x and DOS users. Follow the instructions given in the section "Making a Copy of a CD" on page 8-3 to accomplish this task.

NOTE: CDs created with CD Copier will display long filenames when viewed in Windows 95, 98, and NT. When viewed in Windows 3.x and DOS, file names are shortened to the DOS standard of eight characters with a three-character extension. Files and executables that expect a specific file name may not function as anticipated in Windows 3.x and DOS.

CD-R discs created with Easy-CD Creator (Audio).

This application automatically writes the audio format understood by millions of car and home CD players in existence today. You will be able to share this disc with virtually any user.

CD-R discs created with Easy-CD Creator (Data).

Use Easy-CD Creator (Data) when you want to create data CDs you can share with other users, for example if you want to send the CD to your co-workers. For instructions on how to use Easy-CD Creator (Data) go to "Making Data CDs to Use on Different Types of Computers" on page 5-6.

Easy-CD Creator is called a mastering application since, when used with CD-R media, it is capable of directly writing discs using a format that can be read by virtually all CD-ROM drives and operating systems (Windows95, Windows NT, Windows 3.x, and DOS).

Interchange Summary

The following table is a brief summary of which CD drives can read discs created with certain application/media combinations.

Application used to make a CD	Type of CD used	Drives that can read the CD
DirectCD	CD-RW	MultiRead CD-ROM with UDF reader Windows 95, 98, and NT 4.0
	CD-R (closed)	*Most CD-ROMs Windows 95, 98, and NT 4.0
CD Copier	CD-RW	MultiRead CD-ROM
	CD-R	Any CD-ROM
Easy-CD Creator (Audio)	CD-RW	MultiRead CD-ROM
	CD-R	Any CD-ROM, home or car CD player
Easy-CD Creator (Data)	CD-RW	MultiRead CD-ROM
	CD-R	Any CD-ROM

* Your CD-ROM drive must be capable of reading packet-written CDs. Most CD-ROM drives are packet tolerant. If you have problems, check your drive's documentation or consult the drive's manufacturer.

Chapter 4: Sharing Your CDs

Chapter 5:
Making Data CDs

You can make data CDs with DirectCD™ and with Easy CD Creator™. You can copy data to both CD-Recordable (CD-R) and CD-ReWritable (CD-RW) discs. DirectCD and Easy CD Creator make data CDs in a slightly different way for different purposes. The correct program is launched automatically when you decide what kind of data CD you want to make.

■ If you want to make a data CD to use on your own computer, follow the instructions in "Making Data CDs to Use on Your Own Computer" below.

■ If you want to make a data CD to use on your own computer or on different types of computers (for example, computers running under DOS or Windows 3.x) that do not have DirectCD, follow the instructions in "Making Data CDs to Use on Different Types of Computers" on page 5-6.

Making Data CDs to Use on Your Own Computer

DirectCD enables you to write files directly to a CD-Recordable (CD-R) or CD-ReWritable (CD-RW) disc, in much the same way you would write them to a floppy diskette or a removable media drive. This is especially handy for making data discs to use with your own computer. For example, you might want to

■ Archive data and then remove it from your hard drive

■ Back up the files on your hard drive

5-1

■   Transfer a large number of files from the computer you use at work to the computer you use at home

NOTE: Other people may be able to read data discs you create with DirectCD on their computers if their CD-related hardware and software is set up the same as it is on your computer. However, it is more likely that your data discs will be usable on other computers if you create them with Easy CD Creator, as described in "Making Data CDs to Use on Different Types of Computers" on page 5-6.

DirectCD lets you read and write files directly to your CD with any software application that can read from and write to a drive letter. Some examples include:

■   Software applications such as Microsoft Word, when you use the `Save` or `Save As` commands

■   Windows Explorer, when you drag and drop files

■   Windows 95^{®,} Windows 98/NT, when you use the `Send To` command

■   MS-DOS, when you use command prompts from within Windows 95/NT

DirectCD provides a file system based on UDF v1.5 specifications and writes data to the CD-R or CD-RW disc using packet-writing technology. This technology, together with the file system, gives you drive letter access to your CD-Writer Plus. A DirectCD wizard guides you step-by-step through the process of preparing and ejecting CD-R and CD-RW discs.

Preparing a Data CD

Follow these steps to start DirectCD and prepare a *blank* CD-R or CD-RW disc for reading and writing data. (If you want to write more data to a disc that you *already* formatted in DirectCD, see "Writing More Data to a DirectCD Disc" on page 5-5.)

1. Start up your computer.

2. Insert a *blank* CD-R or CD-RW disc in the CD-Writer Plus. After a few seconds a screen will appear which asks you to "Please select the type of CD you wish to create." (If the DirectCD Disc Ready window appears, the disc has already been prepared, and you can start writing data to it.)

*NOTE: If no screen appears after about 15 seconds, the disc may not be blank, or it may have an unreadable format. (See "Fixing an Unreadable Disc" on page 5-6 for more information.) Or the "Auto insert notification" option may be disabled (this applies to Windows 95 only). To check this, click **Start**, move the mouse pointer over Settings, and click **Control Panel**. In Control Panel, double-click **System** and select the **Device Manager** tab. Double-click the CD-Writer Plus icon, then select the **Settings** tab. Click **Auto insert notification** if it does not have a check mark next to it, and click **OK**. Click OK on the System Properties dialog box. Then close the Control Panel.*

3. Select the first option: **Click here to create a data CD that will be accessible through a drive letter, i.e. as you would use a floppy drive.** The Format Disc screen appears. If you are formatting a CD-R disc, continue with the next step. If you are formatting a CD-RW disc, skip to step #5.

4. If you are formatting a CD-R disc, click **Next** on the Format Disc screen and skip to step #6.

5. If you are formatting a CD-RW disc, you can choose between two formatting options. To do this, click the **Advanced** button that appears on the Format Disc screen. When the next screen appears, select either **Fast Format** or **Full Format** and click **OK**.

   We recommend that you select **HP fast format**, which lets you start writing to the CD-RW disc almost immediately while the disc is formatted in the background. A **Full Format** requires you to wait about an hour until the formatting is complete before you can write to the disc. Click the **Help** button for more information about the formatting options.

   NOTE: Data is safe if you write it to the disc while HP fast format takes place in the background. HP fast format will NOT overwrite this data, because the data is written to sections of the disc that have already been formatted.

6. When the Name Your Disc screen appears, type a name for the disc and click **Finish.** Disc formatting begins.

   When the DirectCD Disc Ready window appears, the formatting is complete.

   NOTE: Formatted CD-RW discs have about 530 MB of available space, while formatted CD-R discs can store up to 618 MB of data.

7. Click **OK**.

   The DirectCD disc is ready for you to write data to it.

Chapter 5: Making Data CDs

Writing Data to a DirectCD Disc

Once your CD is formatted as a DirectCD disc, you can write data to it in several different ways:

■ Drag and drop files from Windows Explorer onto the CD-Writer Plus icon.

■ Select **Save As** from a Windows 95 Windows 98/NT application File menu and select the drive letter of your CD-Writer Plus.

■ Use the Send To command.

■ Use MS-DOS command prompts from a DOS window in Windows 95/NT.

Ejecting a DirectCD Disc

DirectCD gives you various formatting options when you eject a DirectCD disc from the CD-Writer Plus. The options depend on what kind of disc DirectCD detects in the drive and how you want to use the disc. To eject a DirectCD disc, follow these steps:

1. Push the eject button on the front of the CD-Writer Plus, *or*

   Right-click on the CD icon on the taskbar and select **Eject** from the drop-down list box.

   The Eject Disc screen appears.

2. Carefully read the text that appears on the screen and, if options are presented, select the option you want.

3. Click **Finish** to eject the disc from the CD-Writer Plus.

   NOTE: If you are using a CD-RW disc, see "Chapter 4: Sharing Your CDs" for more information about making CDs readable on different types of computers.

Writing More Data to a DirectCD Disc

If you previously formatted a blank disc for DirectCD use, you can add more data to the disc until it is full. To do so, follow these steps:

1. Insert the DirectCD disc into your CD-Writer Plus.

2. Wait for the DirectCD Disc Ready window to appear. (If the Make Disc Writable screen appears, simply follow the on-screen directions to make the disc writable.)

3. Click **OK** and continue writing more data to the disc.

Erasing a DirectCD Disc

If you are using CD-RW discs in your CD-Writer Plus, you can actually erase files from the disc and use the recovered space to write new files. However, if you "delete" files from a *CD-R* disc, the files become invisible to the file system (such as Windows Explorer) but the space they occupy is not made available for other files. Thus, "deleting" files from a CD-R disc *will not* increase the available free space on the disc.

To erase the contents on a DirectCD disc, follow these steps:

1. While in Windows Explorer, select the file(s) you want to erase.

2. Select **Delete** from the File menu.

3. Click **Yes** to confirm that you want to erase the files from the disc.

DirectCD erases the selected file(s) from the disc.

Chapter 5: Making Data CDs

Fixing an Unreadable Disc

If no window appears on the screen after about 15 seconds when you insert a disc in the CD-Writer Plus, the disc may have an unreadable format. DirectCD has a ScanDisc application that may be able to recover data on the disc and allow you to write to it and read from it again. Follow these steps to use ScanDisc:

1. Double-click the CD icon on the right side of the Windows taskbar. If the disc is unreadable, the ScanDisc window will appear.

2. Read the text in the window, then click the **ScanDisc** button.

3. Wait while ScanDisc repairs the disc. A message will appear on the screen when ScanDisc is finished.

   NOTE: You can also start ScanDisc through the Start menu. To do this, click **Start** *on the Windows taskbar. Move the mouse pointer over Programs, HP CD-Writer Plus, Tools and Information, and Utilities. Then select ScanDisc.*

Making Data CDs to Use on Different Types of Computers

Adaptec Easy CD Creator enables you to write files directly to a CD-Recordable (CD-R) or CD-ReWritable* (CD-RW) disc in a format that can be read by different types of computers. This is handy if, for example, you want to create a CD for someone who has a computer running under DOS or Windows 3.x.

Follow these steps to start Easy CD Creator and copy data files to a blank CD-R or CD-RW disc:

1. Start up your computer.

2. Insert a *blank* CD-R or CD-RW disc in the CD-Writer Plus. After a few seconds a screen will appear which asks you to "Please select the type of CD you wish to create."

   * CD-RW discs can only be read in a MultiRead CD-ROM drive or in another CD-RW drive.

*NOTE: If the screen does not appear after about 15 seconds, you may have inserted a disc that is already formatted. Remove the disc and insert a blank disc. Or the "Auto insert notification" option may be disabled (this applies to Windows 95 only). To check this, click **Start**, move the mouse pointer over Settings, and click **Control Panel**. In Control Panel, double-click **System** and select the **Device Manager** tab. Double-click the icon for the CD-Writer Plus, then select the **Settings** tab. Click **Auto insert notification** if it does not have a check mark next to it, and click **OK**. Click OK on the System Properties dialog box. Then close the Control Panel.*

3. Select the second option: **Click here to create a data CD for distribution among different types of computers.** The Easy CD Creator Wizard appears.

4. Leave the **Data CD** radio button selected, and click **Next**.

5. When the next screen appears, select the files and folders you want to copy to the disc and click **Add Now**. The graph bar in the lower part of the screen indicates how much space is left on the disc.

6. When you are done adding files, click **Next**. The **Test Before Writing** window appears.

7. Click **Next**, then click **Finish** on the Ready to Create CD window to create the CD. The testing and copying process may take a long time if you are copying many folders and files.

8. When the testing and copying process is completed, eject the CD from the drive.

NOTE: These instructions describe the simplest, most direct way to create a data disc with Easy CD Creator. Other options are also available, such as re-arranging the folder/file structure after you have selected the files to copy to the CD. See the Easy CD Creator online help for more information.

Chapter 5: Making Data CDs

Getting Help

For setup and connection problems with your CD-Writer Plus, refer to the Troubleshooting section of the user's guide.

For information about Easy CD Creator and DirectCD, refer to the appropriate topics in the online Help. To access the online Help, select **Help Topics** from the Help menu of either program.

Technical information, including product literature, answers to commonly asked questions, information on software upgrades and other topics is available electronically through the following:

■ Adaptec World Wide Web (WWW) site at http://www.adaptec.com.

■ The Adaptec Software Products Group can be found on several CD-ROM, CD-R, and CD publishing newsgroups and lists on the Internet.

For customer support information, refer to Appendix B, "Customer Support."

Chapter 6:
Making Music CDs

A music CD is a compact disc (CD) containing digital audio tracks recorded in the Compact Disc-Digital Audio (CD-DA) format.

Music CDs can store up to 74 minutes of music and may contain up to 99 tracks, each usually representing a separate piece of music. Music CDs can be played back from a home or car CD player or from a CD-ROM drive through speakers or headphones attached to the drive's output jack.

You can use Easy CD Creator to:

■ Compile audio CDs of your favorite music

■ Make CDs from Wave (.wav) files on your hard drive

Starting Easy CD Creator

1. Start up your computer.

2. Insert a *blank* CD-R or CD-RW disc in the CD-Writer Plus. After a few seconds a screen will appear which asks you to "Please select the type of CD you wish to create."

   *NOTE: If no screen appears after about 15 seconds, you may have inserted a disc that is already formatted. Remove the disc and insert a blank disc. Or the "Auto insert notification" option may be disabled (this applies to Windows 95 only). To check this, click **Start**, move the mouse pointer over Settings, and click **Control Panel**. In Control Panel, double-click **System** and select the **Device Manager** tab. Double-click the icon for the CD-Writer Plus, then select the **Settings** tab. Click **Auto insert notification** if it does not have a check mark next to it, and click **OK**. Click **OK** on the System Properties dialog box. Then close the Control Panel.*

6-1

3. Select the third option: **Click here to create an audio CD that will be playable in any CD player.** The Adaptec Easy CD Creator Wizard window appears.

Making a Music CD

You can make a music CD by recording songs from:

■ *Tracks* on an existing CD

■ *Wave* files stored on your hard drive (*.wav is a standard Windows format for sound files.)

■ A combination of Wave files and tracks

This section explains how you can make a simple music CD with the Easy CD Creator Wizard. It also explains how to do other tasks like recording audio tracks from an existing music CD and recording Wave files stored on your hard drive.

NOTE: Easy CD Creator is designed 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, contact your legal advisor.

Using the Wizard

The easiest way to make a music CD is to use the Easy CD Creator Wizard, which appears when you first start Easy CD Creator. The Wizard guides you step-by-step in making a simple music CD. Follow these steps to make a music CD with the Wizard:

1. Start Easy CD Creator if it is not already running (see "Starting Easy CD Creator" on page 6-1.) The Adaptec Easy CD Creator Wizard appears, as shown here:

2. Follow the on-screen instructions in the Wizard windows.

As you add tracks to write to the CD, a list of these tracks will appear in the main Easy CD Creator window at the bottom of the screen. A final message box notifies you when the recording is complete.

Recording Audio Tracks from an Existing Music CD

To record songs (audio tracks) from an existing music CD, you need to first create a *CD layout*— a file that contains the list of songs and the order in which they will be recorded—then record the layout to a blank CD. To do so, follow these steps:

1. Start Easy CD Creator, if it is not already running.

2. Select **New CD Layout** from the File menu or open an existing CD layout.

3. Click the **Audio CD Layout** tab:
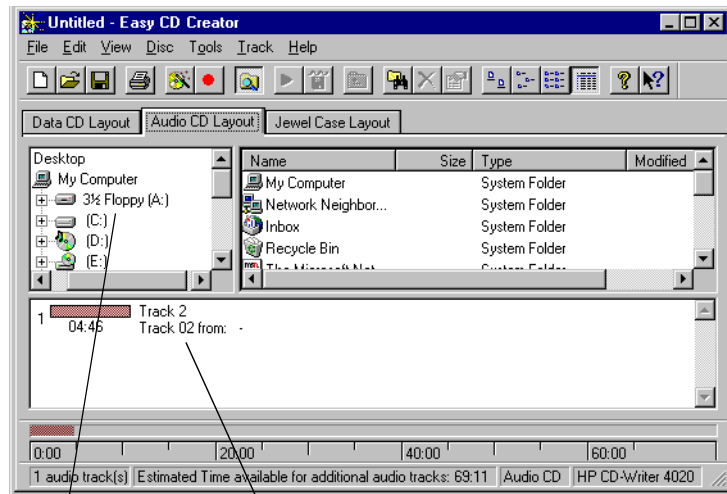
Windows Explorer   Audio CD Layout Window

The top part of the window is Windows Explorer, where you can select the songs you want to record. The bottom part is the Audio CD Layout window, which allows you to view the contents of the CD layout. To make changes to the list of tracks in the Audio CD Layout tab, see "Changing the Order of Your Songs" on page 6-8.

4. Insert the source CD, which contains the songs you want to record, in your CD-Writer Plus.

   NOTE: You can record directly from a CD-ROM drive only if it supports digital audio extraction. See "Recording from a CD-ROM Drive" in the Easy CD Creator Online Help.

5. In the Windows Explorer section of the window, select the drive where the source CD is located to view the list of songs on the original CD.

6. Drag the songs that you want to record from Windows Explorer to the Audio CD Layout window.

   To change the name of a song, see "Renaming Songs in Your CD Layout" on page 6-8.

7. Repeat steps 4, 5, and 6 for each existing music CD from which you want to record songs.

8. Select **Create CD** from the File menu when you have placed all of the songs that you want to record into the Audio CD Layout window.

    The CD Creation Setup box appears.

9. Make changes, if any, to the CD Creation Setup settings (see "CD Creation Setup Settings" in the Easy CD Creator Online Help for descriptions) and click **OK**.

    Easy CD Creator needs a blank CD before it can begin recording your CD layout. Insert a blank CD when prompted. A final message box notifies you when the recording is complete.

    NOTE: To make a jewel case insert that lists the artist, CD title, and songs, see "Chapter 7: Making Inserts and Labels".

Recording Wave Files Stored on Your Hard Drive

To record a music CD using Wave files (*.wav), the Wave files must be stored on your hard drive at 11, 22, 44.1 KHz, 8- or 16-bit, mono or stereo. To make a Wave file from an existing CD, see "Pre-recording Audio Tracks to Wave Files" on page 6-6.

NOTE: For best results, record your .wav files at 44.1 KHz, 16-bit stereo. For more information, see the documentation for your Wave editor program.

To record Wave files stored on your hard drive to a blank CD, follow these steps:

1. Insert a blank CD in your CD-Writer Plus.

2. Select **New CD Layout** from the File menu, or open an existing layout.

3. Click the **Audio CD Layout** tab.

4. Select the Wave files you want to record from Explorer and drag them to the Audio CD Layout window.

5. To change the name of the song(s), see "Renaming Songs in Your CD Layout" on page 6-8.

6. Select **Create CD** from the File menu when you have finished adding all of the songs you want to record to your CD layout. The CD Creation Setup box appears.

7. Make changes, if any, to the CD Creation Setup settings (see "CD Creation Setup Settings" in the Easy CD Creator Online Help for descriptions) and click **OK**.

    Easy CD Creator will begin recording your CD layout to the blank CD. An on-screen message notifies you when the recording is complete.

    NOTE: To make a jewel case insert that lists the artist, CD title, and songs, see "Chapter 7: Making Inserts and Labels."

Pre-recording Audio Tracks to Wave Files

Pre-recording audio tracks to Wave files on your hard drive is a way to:

■   Minimize swapping CDs in and out of your drive if you want to make more than one copy, or if you have only a CD-Writer Plus drive

■   Add sound effects to customize any song on the CD (using a third-party sound editor)

■   Improve the sound quality if your CD recording system is less than optimal

You can pre-record one Wave file at a time. To pre-record a Wave file from an existing CD, follow these steps:

1. Insert the source CD, which contains the song you want to pre-record to your hard drive, into your CD-Writer Plus.

2. Click the **Audio CD Layout** tab in Easy CD Creator.

3. Select the audio track you want to pre-record from Explorer and drag it into the Audio CD Layout window.

4. Highlight the audio track in the Audio CD Layout window.

5. Select **Pre-record to WAV file** from the Track menu.

    NOTE: Pre-recording audio tracks to Wave files requires approximately 10MB of space on your hard drive for one minute of music.

6. Type in a file name for the Wave file and choose a different location on your hard drive if you do not want to record your Wave file to your Temp directory.
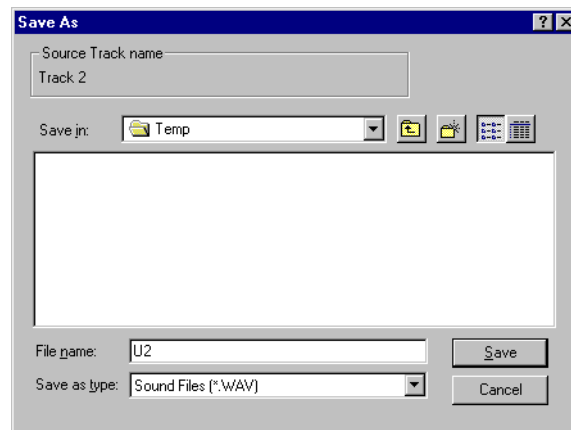
7. Click **Save.**

Easy CD Creator pre-records your Wave file to your hard drive. An on-screen message notifies you when the recording is complete.

Combining Both Audio Tracks and Wave Files

You can make a music CD that contains songs both from pre-recorded Wave files stored on your hard drive and from audio tracks on an existing music CD. To do so, follow the steps outlined in "Recording Audio Tracks from an Existing Music CD" on page 6-3 and "Recording Wave Files Stored on Your Hard Drive" on page 6-5, depending on the type of songs you want to record. When you have added all of the audio tracks and Wave files you want to record to your CD layout, select **Create CD** from the File menu.

Modifying Your CD Layout

The following sections describe how to make changes to your CD layout.

Changing the Order of Your Songs

Once you have added more than one song to your CD layout, you can change the order of the songs at any time before creating the CD.

To change the order of the songs, follow these steps:

1. Select the song whose order you want to change in the CD layout.

2. Drag the song to the position where you want it to appear in the Audio CD Layout window.

Removing Songs from Your CD Layout

You can remove any song you have added to a CD layout at any time before you create a CD. To remove a song from your CD layout, follow these steps:

1. Select the song you want to remove in the Audio CD Layout window.

2. Select **Cut** from the Edit menu.

Renaming Songs in Your CD Layout

To rename a song listed in your CD Layout, follow these steps:

1. Select the song you want to rename in the Audio CD Layout window.

2. Select **Rename** in the Track menu.

3. Type the new name in the text box.

Saving a CD Layout

You can create a CD layout, save it, then use it to record a CD later. To save a CD layout, follow these steps:

1. Select **Save As** from the File menu.

2. Type in the File name.

3. Select the location where you want to store the file.

Opening an Existing CD Layout

To open a CD layout you have previously saved:

■ Select **Open CD Layout** from the File menu.

Easy CD Creator displays the contents of the layout.

Playing Music CDs

Use the Windows CD Player to listen to music CDs. To do this, follow these steps:

1. Insert the music CD in your computer's CD-ROM drive.

2. Click the **Start** button on the Windows taskbar, then move the mouse pointer over Programs, Accessories, and Multimedia.

3. Select **CD Player**. The CD Player window appears.

4. Click the start button to start playing the music CD.

Getting Help

For setup and connection problems with your CD-Writer Plus, refer to the Troubleshooting section of the user's guide.

For information about Easy CD Creator, refer to the appropriate topics in the online Help. To access the Easy CD Creator online Help, select **Help Topics** from the Help menu.

Technical information, including product literature, answers to commonly asked questions, information on software upgrades and other topics is available electronically through the following:

■ Adaptec World Wide Web (WWW) site at http://www.adaptec.com.

■ The Adaptec Software Products Group can be found on several CD-ROM, CD-R, and CD publishing newsgroups and lists on the Internet.

For customer support information, refer to Appendix B, "Customer Support."

Chapter 7:
Making Inserts and Labels

A jewel case insert is a cover you can print and insert in the CD's *jewel case*—the plastic case that holds the CD—to display the title and contents of your CD.

The cover is printed on one side of a sheet of paper and then folded. One side lists the files or tracks; the other side shows the title and may also contain graphics.
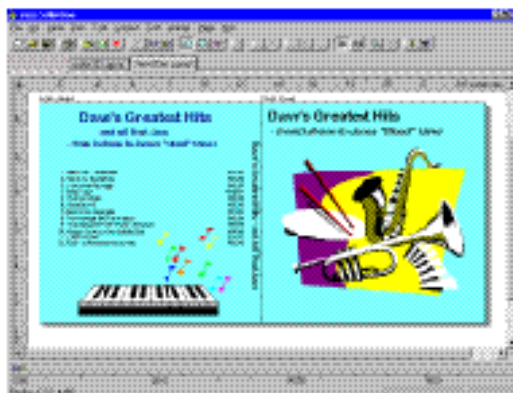
Easy CD Creator allows you to customize your own jewel case insert. Once you have edited the jewel case insert, you can preview it, print it, cut it to size, and insert it in the case. You can also design and print a label for the top of the CD. You can print the label on a standard printer if you use special paper designed for disc labels.

7-1

How to Make a Jewel Case Insert or a Label

When you make a music CD, Easy CD Creator uses the CD layout information to create a basic jewel case insert, including the CD title, artist name, and list of songs. You can then click the Jewel Case Layout tab to modify and customize that information, such as changing font styles and adding graphics.

Creating custom jewel case inserts involves three basic tasks:

■   Editing inserts

■   Adding text and graphics

■   Printing

Creating CD labels involves the second and third steps; Easy CD Creator does not automatically create any text for the label. The following sections explain how to view and edit jewel case inserts and CD labels, add text and graphics, and print the inserts and labels.

Editing Inserts and Labels

The following sections describe the different ways you can view and edit jewel case inserts and labels before printing them.

Viewing Inserts and Labels

To view the different parts (pages) of the jewel case insert or CD label, follow these steps:

1. Click the **Jewel Case Layout** tab in Easy CD Creator.

2. From the Page menu, select the item you want to view:

■   **Jewel Front**—to view the Inside Jacket and Front Cover

■   **Jewel Back**—to view the Back Cover

■   **Disc Printer**—to view the Compact Disc label

Easy CD Creator displays the view.

Zooming

To view a section of an insert page or label in greater detail, you can magnify the view. To change the magnification of the page, follow these steps:

1. Select **Zoom** from the Page menu.
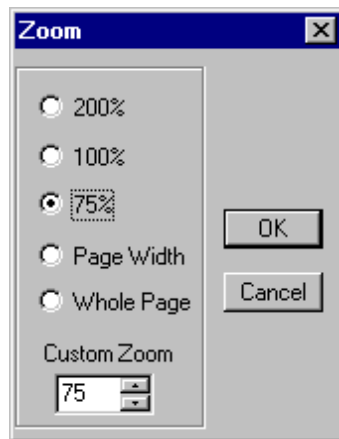
2. Select the zoom level you want to apply.

3. Click **OK.**

   Easy CD Creator changes the magnification level.

Using Rulers and Grids

You can use rulers and grids to position text and graphics on the jewel case insert or the label. See "Setting Insert Layout Options" in the Easy CD Creator online Help for more information on how to do this.

Using Rulers

Rulers are displayed along the perimeter of the Jewel Case Layout window and help you to measure the insert or label and its objects.

To display or hide the rulers, do the following:

■ Select the **Ruler** option from the View menu to view rulers.

■ Deselect the **Ruler** option from the View menu to hide rulers.

Using Grids

Grids help you to more precisely position objects with respect to other objects on the insert or label.

To snap objects to a grid—meaning the objects are automatically moved to the grid line—do the following:

1. Select **Grid** from the Layout menu.

2. Select **Snap to Grid** from the Layout menu.

   The objects snap to the nearest grid marker when you move them around on the page.

   To display or hide the grids, do the following:

   ■   Select the **Grid** option from the Layout menu to view grids.

   ■   Deselect the **Grid** option from the Layout menu to hide grids.

Positioning Inserts

You can position the insert or CD label at any location on the physical

page. For an approximate position, use the box at the intersection of the two rulers.

To position the insert or label, follow these steps:

■   Drag the box at the intersection of the ruler to the position on the page where you want the upper left corner of the insert or label to be located.

For more precise control over the position of the insert or label, use the Origin settings in the preferences. See "Setting Insert Layout Options" in the Easy CD Creator online Help.

Adding Text

You can add as much text as you like to the jewel case insert or CD label. When you add text, you can define some attributes, such as font style, color, and background fill color.

To add text, follow these steps:

1. Select **Insert Text** from the Edit menu.
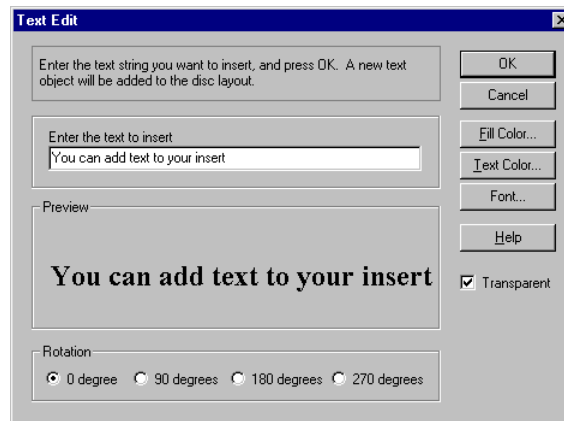
2. Type the text in the Text box.

3. Select the text attributes you want by clicking the **Fill Color**, **Text Color**, or **Font buttons**:

Attribute	Description
Fill Color	Select the color you want surrounding the text. NOTE: When text is marked Transparent— meaning that you can see the background behind the text— you cannot define a fill color.
Text Color	Select the color of the text.
Font	Select the font, style, and size of the text.

4. Click **OK.**

The text is added where the cursor is located on the Jewel Case Layout window.

Editing Text Objects

To change the attributes of any text object, follow these steps:

1. Double-click the text object you want to edit.

2. Select the text attributes you want to change. (See "Adding Text" on page 7-5.)

3. Click **OK.**

Adding Graphics

The graphics used in Easy CD Creator are called *OLE objects.* OLE is a Windows feature that maintains associations with objects across different applications. For example, if you add an OLE object to a jewel case insert or CD label, you can double-click the object to open the associated application so you can edit the object.

To create and insert an OLE object, follow these steps:

1. Select **Insert** and **New Object** from the Edit menu. A list of Object Types appears.

2. Select the **Create New** option to the left of the Object Types list.

   Select **Create From File** instead if you want to import an *existing* graphics file—for example, a piece of computer "clip art."

3. Select from the Object Type list the application you will use to create the graphic. For example, select **Bitmap Image** if you want to create a graphic with Windows Paintbrush.

4. Click **OK.**

5. Create (or select) the graphic. The way in which you do this depends on which application you selected. For example:

   If you select **Bitmap Image** a small window will appear in the middle of the Jewel Case Layout window. Create the bitmap image in this window, using the Windows Paintbrush tools that appear on the screen. When you are finished, click outside the small window to "paste" the image into the jewel case insert or CD label.

If you select **Microsoft Clipart Gallery**, you will see a window with small images of the available graphics. Select the graphic you want and click **Insert**.

6. Move or resize the graphic, as required.

NOTE: See the "Adding Graphics" topic in Easy CD Creator online Help for information on editing and moving objects.

Arranging Track Titles

Information about tracks listed in the Audio CD Layout is automatically added to the Jewel Case Layout window. If you delete tracks while making an audio CD, the associated information is automatically updated in the Jewel Case Layout tab.

Deleting tracks while preparing to make an audio CD may cause blank rows to appear in the tracks list of the Jewel Case Layout tab. Therefore, if you make changes to the track list that affect the position of the tracks on the Jewel Case Layout window, Easy CD Creator asks if you want the tracks automatically repositioned.

The Jewel Case Layout tab provides some commands that let you create columns of track information, display the length and number of each track, and automatically position tracks on the layout.

The following sections describe different ways you can arrange the tracks in the Jewel Case Layout.

Creating Track Column Lists

You can arrange the track information boxes:

■ Randomly by dragging them to new positions in the Jewel Case Layout window, or

■ In a linear list with one or two columns.

To create a track list:

■ Select **One Column** or **Two Column** from the Text menu.

Chapter 7: Making Inserts and Labels

Displaying Track Numbers and Duration Times

Easy CD Creator includes the track number and duration time for each audio track. The track number indicates the order in which the audio tracks are recorded. The duration time is shown in minutes and seconds.

To display the track numbers:

■ Select **Display Track Number** from the Text menu.

To display track duration times:

■ Select **Display Track Time** from the Text menu.

Fitting Tracks on a Page

Fitting tracks means all the track information is centered on each page and aligned along the first character of each track.

You can move track titles from the inside jacket and the back cover to the front cover. However, Best Fit will move tracks back to their original location.

To fit the tracks on the page as described above:

■ Select **Best Fit** from the Arrange menu.

Printing Jewel Case Inserts and CD Labels

You can print a jewel case insert or a CD label while the Jewel Case Layout tab is open. The commands and options available for printing depend on the type of printer connected to your computer. For information about these options, see your printer's guide.

To print a jewel case insert or a disc label, follow these steps:

1. Select **Print** from the File menu.

2. Click **OK.**

To preview an insert or label before printing it:

1. Select **Print Preview** from the File menu.

2. Click **OK.**

Getting Help

For setup and connection problems with your CD-Writer Plus, refer to the Troubleshooting section of the user's guide.

For information about Easy CD Creator, refer to the appropriate topics in the online Help. To access the Easy CD Creator online Help, select **Help Topics** from the Help menu.

Technical information, including product literature, answers to commonly asked questions, information on software upgrades and other topics is available electronically through the following:

■   Adaptec World Wide Web (WWW) site at http://www.adaptec.com.

■   The Adaptec Software Products Group can be found on several CD-ROM, CD-R, and CD publishing newsgroups and lists on the Internet.

For customer support information, refer to Appendix B, "Customer Support."

Chapter 7: Making Inserts and Labels

Chapter 8:
Copying CDs

CD Copier is a convenient tool for making copies of your CDs. The most common reason for making a copy of a CD is to create a working copy of a CD and archive the original in a safe place.

NOTE: CD Copier is designed 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, contact your legal advisor.

What Types of CDs Can I Copy?

You can use CD Copier to make backup copies of almost any type of CD. The following table lists the types of CDs that can be copied and includes some notes about making backup copies:

Type of CD	Notes
Audio or CD Extra	If you are using a drive other than a CD-Writer Plus, you need a source CD-ROM drive capable of reading audio digitally. Not all drives support digital audio extraction. See "Testing Your System Configuration" in the CD Copier online help. (CD Copier tests your drive to determine its capabilities when the source CD is inserted.) *NOTE: CD Copier supports copying CDs in Track-at-Once mode. This means that there will be two seconds of silence between tracks.*

8-1

Type of CD	Notes
Data CD	Some CD-ROM drives may not be able to read a DirectCD data disc. If you have a true MultiRead CD-ROM drive, there should be no problems.
Mixed-Mode	Mixed results. Some CDs copy perfectly; others do not, possibly because the CD is formatted to circumvent copying or because some CDs do not follow the standard specifications.
Photo CD	Requires a source CD-ROM drive that can read CD-ROM XA. Most current drives support this.
Video CD	Requires a source CD-ROM drive that can read CD-ROM XA. Most current drives support this.

Starting CD Copier

Follow these steps to start CD Copier:

1. Start up your computer.

2. Insert a *blank* CD-R or CD-RW disc in the CD-Writer Plus. After a few seconds a screen will appear which asks you to "Please select the type of CD you wish to create."

   *NOTE: If no screen appears after about 15 seconds, you may have inserted a disc that is already formatted. Remove the disc and insert a blank disc. Or the "Auto insert notification" option may be disabled (this applies to Windows 95 and Windows 98 only). To check this, click **Start**, move the mouse pointer over Settings, and click **Control Panel**. In Control Panel, double-click **System** and select the **Device Manager** tab. Double-click the icon for the CD-Writer Plus, then select the **Settings** tab. Click **Auto insert notification** if it does not have a check mark next to it, and click **OK**. Click **OK** on the System Properties dialog box. Then close the Control Panel.*

3. Select **Click here to create a duplicate of an existing audio CD or data CD.** The CD Copier Source and Destination tab appears.
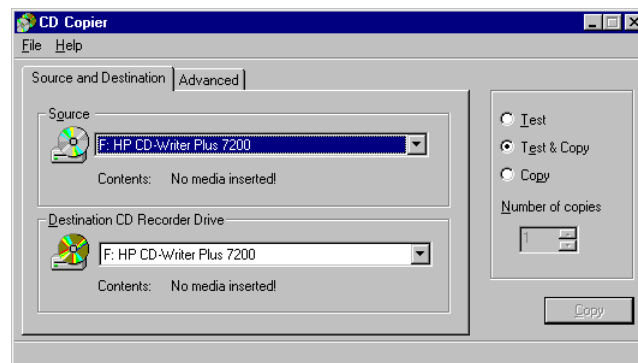
*NOTE: You can also start CD Copier by clicking the Windows **Start** button (located on the left side of the taskbar), selecting **Programs**, pointing to HP CD-Writer Plus, and selecting **Copy CDs.***

Making a Copy of a CD

To make a backup copy of a CD, follow these steps:

1. Select the source drive from which you want to copy the CD. This can be your CD-R, CD-RW, or CD-ROM drive. See "Source CD-ROM Drives for CD-to-CD Copying" in the CD Copier online Help if you are going to copy directly from a CD-ROM drive.

2. Select the destination drive that contains the blank CD. This is your CD-Writer Plus.

3. Make changes, if any, in the Advanced tab settings. See "CD Copier Advanced Tab Settings" on page 8-4.

4. Select one of the following options:

   ■ **Test**—Select this option to perform a test in which the files to be recorded are passed to the CD recorder. No information is recorded to the CD. Use this option if you have made any changes to your CD recorder setup.

■ **Test & Copy**—Select this option to perform a test in which the files to be recorded are passed to the CD recorder. Recording begins after a successful test.

■ **Copy**—Select this option when you do not want to perform the test. Use this option if you have successfully recorded a number of similar CDs and you have not made any changes to your CD recorder setup.

5. Select the number of copies you want to make.

6. Click **Copy** to begin recording a copy of your CD.

7. Follow the on-screen instructions and insert a blank CD when prompted (if you did not already insert one earlier).

   CD Copier begins copying the files and folders from your source to a blank CD. A final message box notifies you when the copying is complete.

CD Copier Advanced Tab Settings

Setting	Description
Current CD Recorder Speed	Select the speed at which you want to create the backup copy of the CD. For greater certainty, record at 1x.
Disc Copy	Select this option to copy the source CD to your hard drive first to speed up the recording process if you are making more than one copy of a CD. Once the source has been copied to your hard drive, CD Copier records the disc copy to the CD.
Select Location	To make a disc copy, type in a different location to store the image file if you do not want to use the Temp directory.

Getting Help

For setup and connection problems with your CD-Writer Plus, refer to the Troubleshooting section of the user's guide.

For information about CD Copier, refer to the appropriate topics in the online Help. To access the CD Copier online Help, select **Help Topics** from the Help menu.

Technical information, including product literature, answers to commonly asked questions, information on software upgrades and other topics is available electronically through the following:

■ Adaptec World Wide Web (WWW) site at http://www.adaptec.com.

■ The Adaptec Software Products Group can be found on several CD-ROM, CD-R, and CD publishing newsgroups and lists on the Internet.

For customer support information, refer to Appendix B, "Customer Support."

Chapter 8: Copying CDs

Chapter 9:
Find Files Fast with HP Simple Trax

If you're looking for the easiest way to save, manage, and find your files on CD, HP Simple Trax is the answer.

What Simple Trax Can Do for You

Automatic file backup to CD—Simple Trax has a Wizard to help you easily configure the software to automatically copy files to CD on the days and times you choose.

Find Files Fast on your CDs—Even if the CD is not in the drive. Simple Trax keeps the contents of all your Simple Trax CDs close at hand in an index you access in Windows Explorer.

You can find the files you want quickly even if you've forgotten what you named them because Simple Trax makes it easy to see what your files contain. Just hold your mouse over a filename and Simple Trax gives you summaries of text and small versions (thumbnails) of graphic files.

Keep track of several CDs easily —The contents of all your Simple Trax CDs are easily browsed through Windows Explorer.

Give You Peace of Mind—Have comfort knowing that once you save your files, HP Simple Trax will show you the contents of the files and where to find them.

Simple Trax even maintains previous versions of your files and can quickly recover them should the need arise.

Copying Files to CD

You can copy files to CD several ways with Simple Trax. You can copy them to CD from Windows Explorer or you can set up Simple Trax to copy files at scheduled times. The schedule can be set using the Wizard or, if you want to use more advanced options, from the Control Panel.

Using Windows Explorer to Copy Files

To copy files using Windows Explorer:

1. Place the CD you want to use into your CD-Writer Plus.

2. If the CD is new, it will need to be formatted. If not, skip to step 4. If it does need to be formatted, after a few seconds a screen will appear which asks you to "Please select the type of CD you wish to create."

3. Choose **Click here to create a data CD that will be accessible through a drive letter, i.e. as you would use a floppy drive**. Follow the instructions on the screen. When the CD is done formatting, continue with the next steps.

4. Run Windows Explorer by clicking the **Start** button, pointing to **Programs**, and clicking **Windows Explorer**.

   There are two ways to copy the files:

   Click the file or folder you want to copy to CD with the right mouse button. A popup menu appears. On the popup menu, point to **HP Simple Trax** and click **Protect.**
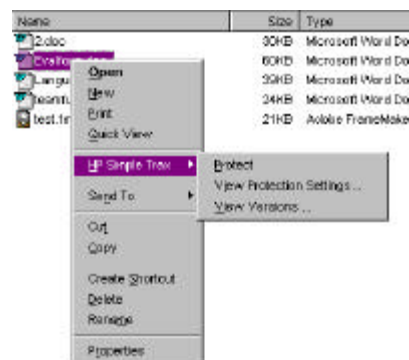
OR

Click on the folders and/or file(s) you want to copy with the left button
and drag and drop them onto the Simple Trax Index icon located on the
left side of the Windows Explorer screen. You may need to scroll down to
see it.

Simple Trax Index icon
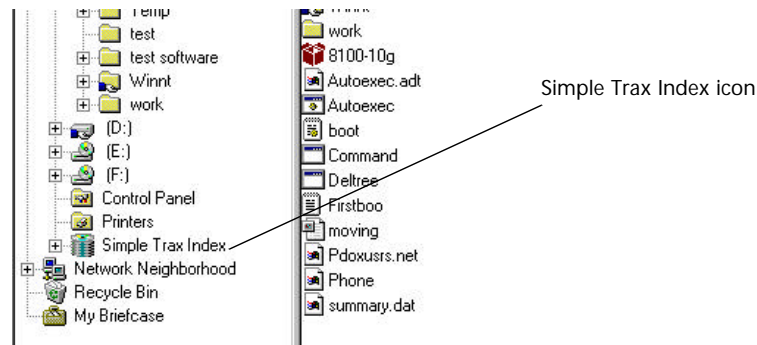
If the CD you placed in your CD-Writer Plus has not been used with HP
Simple Trax before, the program prompts you to type a name to identify
the CD. This name is used in the HP Simple Trax Index for identification.
Be sure to write the same name on the CD label with a felt-tip pen.

5. HP Simple Trax will now copy the selected file(s) and folder(s) to the CD
   in your CD-Writer Plus and place information about the files into the
   Simple Trax Index.

Automatically Copying Files to CD

You can have Simple Trax automatically copy files to CD for you. You
specify how often—once a day, once a week, whatever schedule you
choose—you can also specify the types of files to copy. For example, you
could set up a schedule for Simple Trax to copy all your spreadsheet files
each Monday at noon. Then, just leave your computer on with a CD in
the drive and Simple Trax will take it from there.

Chapter 9: Find Files Fast
with HP Simple Trax

Preparing a CD for Automatic Operations

For a Simple Trax session to run unattended you will need to have a CD that is formatted and has a name for use in HP Simple Trax. To prepare the CD you will:

■   Format it

■   Use Simple Trax to copy at least one file so you can give the CD a name for use in the Simple Trax program

To prepare a CD for automatic operations:

1. Place the new CD into your CD-Writer Plus. After a few seconds a screen will appear which asks you to "Please select the type of CD you wish to create."

2. Choose **Click here to create a data CD that will be accessible through a drive letter, i.e. as you would use a floppy drive**. Follow the instructions on the screen. When the CD is done formatting, continue with the next steps.

3. Run Windows Explorer by clicking the **Start** button, pointing to **Programs**, and clicking **Windows Explorer**.

4. Click the file or folder you want to copy to CD with the right mouse button. A popup menu appears. On the popup menu, point to **HP Simple Trax** and click **Protect**.
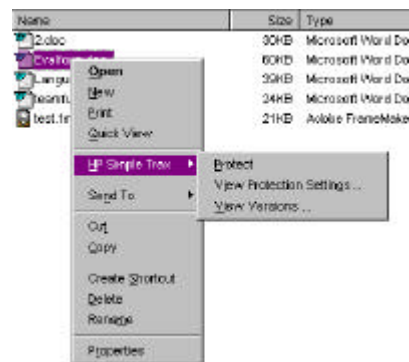
HP Simple Trax will now copy the selected file(s) and folder(s) to the CD in your CD-Writer Plus and place information about the files into the Simple Trax Index.

5. Simple Trax will then prompt you to type a name to identify the CD. This name is used in the HP Simple Trax Index for identification. Be sure to write the same name on the CD label with a felt-tip pen.

Using the Wizard to Set a Schedule

The Wizard is the easiest way to set up a Simple Trax schedule. If you want more control over how you set up the schedule, you might want to review the section, "Using the Control Panel to Set up a Schedule" on page 9-6.

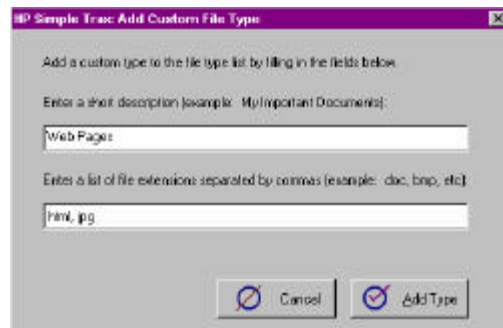**To use the Wizard:**

1. Click the **Start** button and point to **Programs**, then to **HP CD-Writer Plus**, then to **HP Simple Trax**, and click **HP Simple Trax Control Panel**. The Control Panel appears:
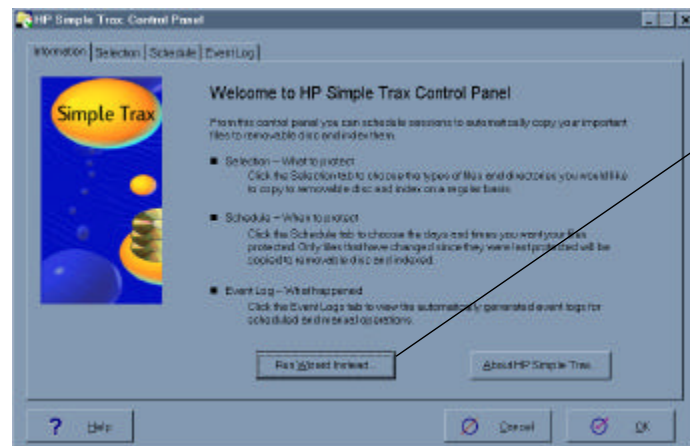
Click to start the Wizard.

2. Click on the **Run Wizard instead** button near the bottom of the Control Panel.

3. Follow the instructions on the screen.

Before an Automatic Operation will Run

If you plan to use a new CD for the automatic operation, be sure to read the section, "Preparing a CD for Automatic Operations" on page 9-4. It will teach you how to format and name the CD. If a prepared CD is not inserted, the scheduled operation will not begin.

Your computer must be left on for the operation to run.

Using the Control Panel to Set up a Schedule

The HP Simple Trax Control Panel allows the most customization when setting up a schedule.

To use the Control Panel:

1. Click the **Start** button and point to **Programs**, then to **HP CD-Writer Plus**, then to **HP Simple Trax**, and click **HP Simple Trax Control Panel**. The Control Panel appears.

2. Click on the **Selection** tab towards the top of the Control Panel. The Selection screen appears:

Click here to add a custom file type.

Click on the boxes to select folders you want to copy to CD on a regular basis.

Click on the boxes to select or deselect file types you want copied to CD on a regular basis.
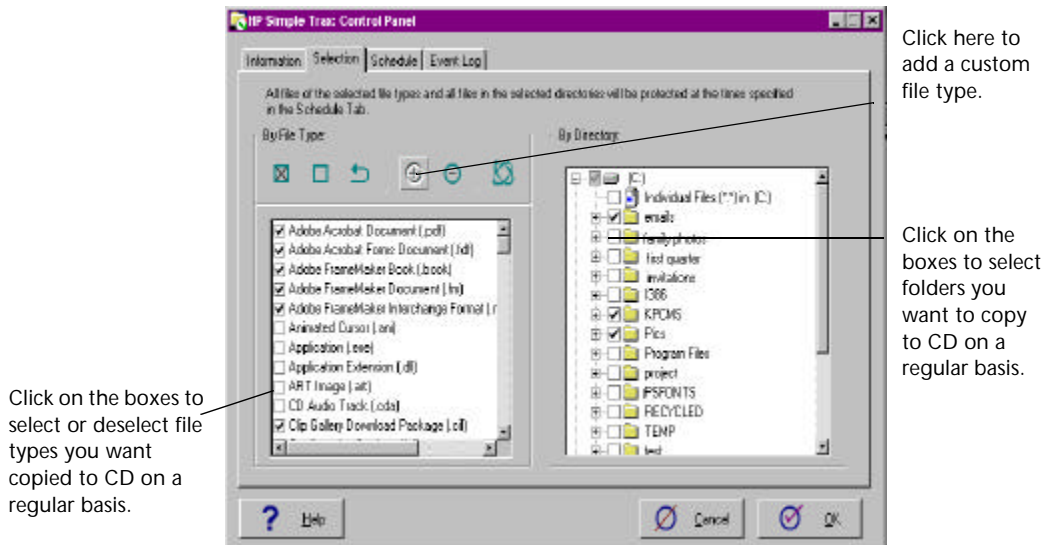
3. On the left side of the screen, you can click on the box next to the types of files you want to copy to CD on a regular basis. For example, you might want to copy all files with the extension .doc. Several file types have been chosen as default. If you like, you can accept or change the file types Simple Trax has chosen.

   On the right side of the screen you can specify any folders you want to

copy to CD on a regular basis. Click on the box next to the appropriate folders.

4. Click the **Schedule** tab towards the top of the screen. The Schedule screen appears:
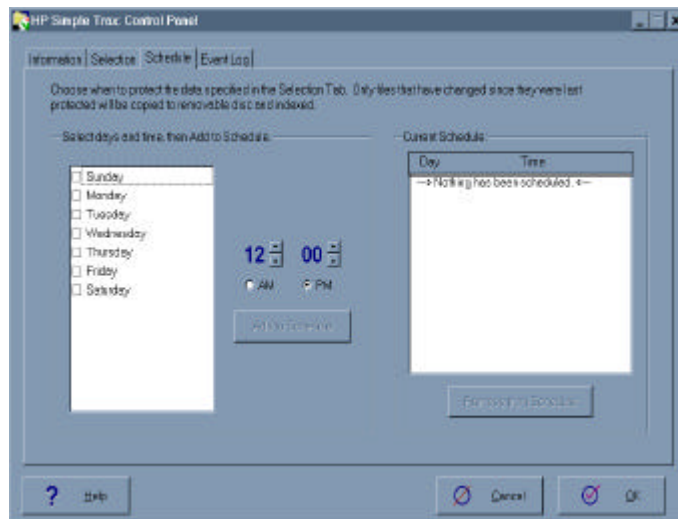
5. Click the box next to the days(s) on which you want scheduled operations to run. Click on the arrows to set the time you want to copy the files. When you are finished, click on the **Add to Schedule** button. Continue adding dates and times, if desired.

6. When you are finished selecting your schedule, click **OK**.

Before an Automatic Operation will Run

If you plan to use a new CD for the automatic operation, be sure to read the section, "Preparing a CD for Automatic Operations" on page 9-4. It will teach you how to format and name the CD. If a prepared CD is not inserted, the scheduled operation will not begin.

Your computer must be left on for the operation to run.

Chapter 9: Find Files Fast
with HP Simple Trax

Adding Custom File Types

You can create custom file types. For example, if you work with text documents (.html) and video clips (.jpg) to create Web pages you may want to create a custom file type called Web Pages.

To add a custom file type:

1. Click the **Start** button and point to **Programs**, then to **HP CD-Writer Plus**, then to **HP Simple Trax**, and click **HP Simple Trax Control Panel**. The Control Panel screen appears.

2. Click on the **Selection** tab towards the top of the screen. The Selection screen appears:
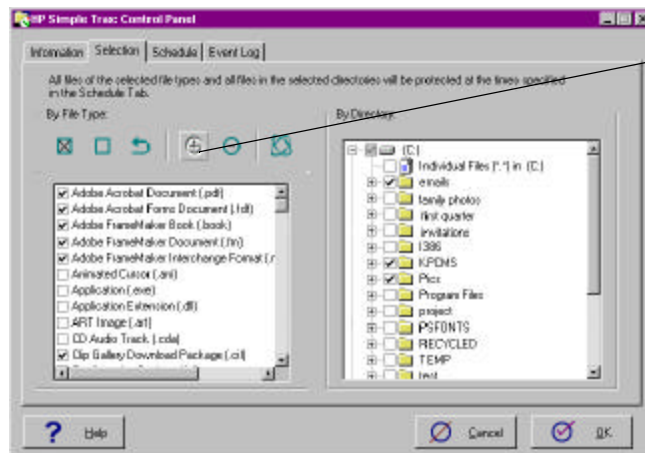
Click here to add a Custom File Type.

3. Click on the plus-sign button in the Selection window. The Custom File Type window appears:

4. Type the name of the category in the description field. Next, type the file extensions in the lower window separated by commas. (Do not type the period before the extensions.) This example shows the group Web Pages that includes the file extensions html and jpg. When you're finished, click on **Add Type**. The Selection screen will reappear.

To Verify Your Schedule Settings

1. Click the **Start** button and point to **Programs**, then to **HP CD-Writer Plus**, then to **HP Simple Trax**, and click **HP Simple Trax Control Panel**. The Control Panel screen appears.

2. Click on the **Selection** and **Schedule** tabs towards the top of the screen to view your current settings.

To Change a Schedule

1. Click the **Start** button and point to **Programs**, then to **HP CD-Writer Plus**, then to **HP Simple Trax**, and select **HP Simple Trax Control Panel**. The Control Panel screen appears.

2. Click the **Schedule** tab. The Schedule screen appears.

3. **To change a schedule** Click the box next to the day you want to a scheduled operation to run, then adjust the time you want to copy the files. When you are finished making changes click on the **Add to Schedule** button.

4. **To remove a schedule**, highlight the item on the right side of the screen, then click on **Remove from Schedule.**

5. If you want to make changes to the items you've selected to be copied, click on the **Selection** tab towards the top of the screen. Select or deselect items you want to include or exclude.

6. When you are finished making changes, click **OK**.

Browsing Your Simple Trax CDs

You can view the files that are on your Simple Trax CDs from Windows Explorer. If you are looking for a specific file, follow the directions in the section, "Finding Files On Your CD" on page 9-11.

1. Run **Windows Explorer** by clicking the **Start** button, pointing to **Programs**, and clicking **Windows Explorer**.

2. Double-click on the Simple Trax Index icon on the left side of the Windows Explorer window. You may need to scroll down to see it. The contents of the index appear in the right side of the Windows Explorer window.

3. Point to a filename in the index. If it is a graphic file, you will see a thumbnail preview of the file. If it is a text file, you'll see a short summary of the file's contents.

Thumbnail preview of the file mundo.gif
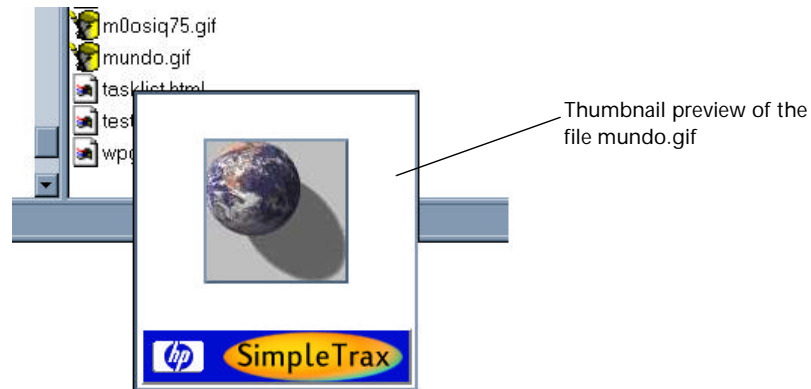
Finding Files On Your CD

It is easy to locate files on your Simple Trax CDs. You can search by keywords, dates, filename, and file type.

To find a file on your CD:

1. Run **Windows Explorer** by clicking the **Start** button, pointing to **Programs**, and clicking **Windows Explorer**.

Chapter 9: Find Files Fast with HP Simple Trax

2. From the **Tools** menu, point to **Find**, then click on **In HP Simple Trax**. The Find Files screen appears:
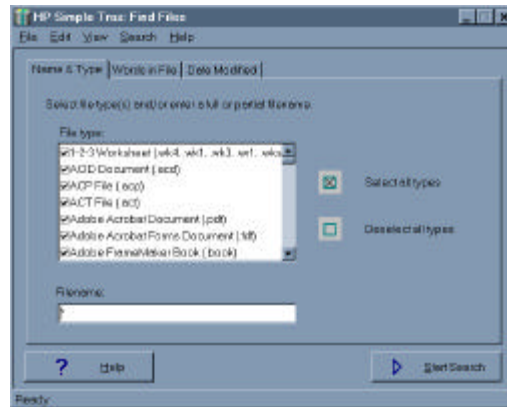
3. In the Filename box type all or part of the name of the file you want to find.

4. To limit Simple Trax to searching only specific file types, select the appropriate checkboxes in the File type window.

5. You may also search by one or more words contained in a file. Click on the **Words in File** tab towards the top of the screen. Type the word on which you want to search in the space, then click **Add to list**.
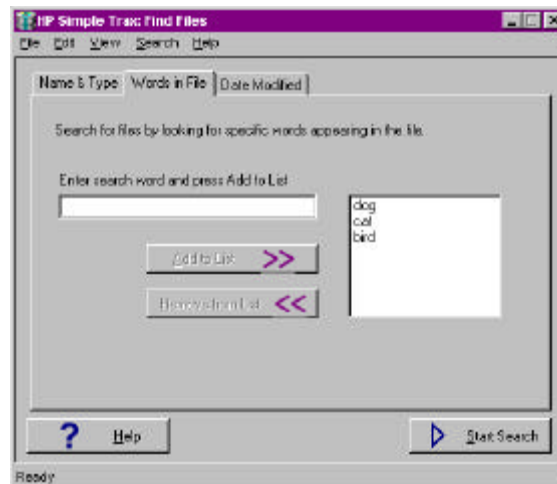
In the example shown in the Find Files illustration, Simple Trax will find files containing "dog" or "cat" or "bird".

6. If you want to search for a file that was modified on or between certain dates, click on the **Date Modified** tab towards the top of the screen. You can search for files between specific dates or over a period of time. After you make your selections click on **OK**.
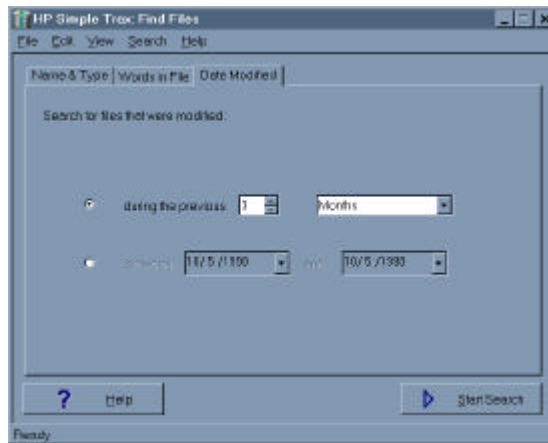
7. When you are finished making selections, click on **Start Search**. When the software is finished finding the files, the results are displayed in the Refine Results window. If you wish to narrow your results, read the following section, Narrowing Your Search.

Chapter 9: Find Files Fast
with HP Simple Trax

Narrowing Your Search

When you are finished entering search criteria the results appear in the Refine Results screen:
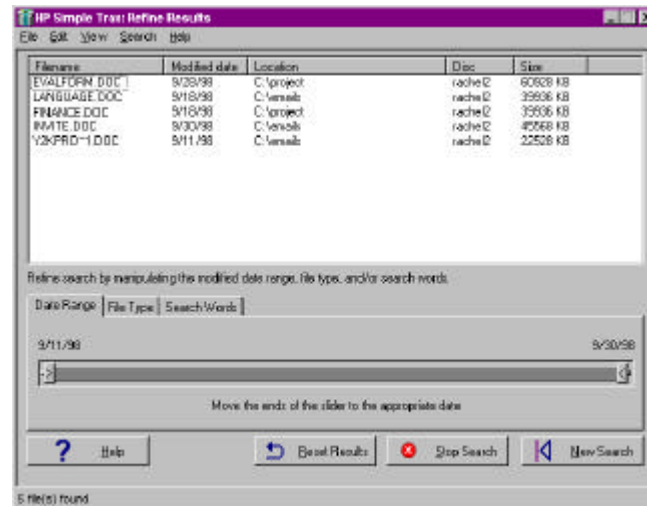
You may want to narrow your search further by date, file type, or search words.

To refine by date:

Move the sliders back and forth until the range of dates you want appear on either corner of the box. The results window will update as you change the date.

To refine with File Types

Click on the File Type tab in the middle of the screen. To limit the file types that appear in the results window, click on the appropriate checkboxes. The results window will be updated.

To refine with Search Words

If you want to modify the words you used as search criteria, click on the Search Words tab in the middle of the screen. Type the word you want to include as a search criteria in the space, then click **Add to list**. Remove a search word by highlighting it and clicking on **Remove From List**. The results window will update.

Copying Files and Folders Back to Your Hard Drive

Retrieving protected files and folders using HP Simple Trax is quick and easy. You don't need to insert a CD into your CD-Writer Plus before the retrieval actually begins. HP Simple Trax shows you all the files and folders you have copied to CDs. The software then prompts you for the correct CDs after you've selected the file(s) or folder(s).

To retrieve files and folders:

1. Run Windows Explorer by clicking the **Start** button, pointing to **Programs**, and clicking **Windows Explorer**.

2. Double-click the Simple Trax Index icon. You may need to scroll down to see it. The contents of the CDs appear in the right side of the Windows Explorer window.

3. Use the right mouse button to click on the file or folder you want to retrieve. A popup menu appears:
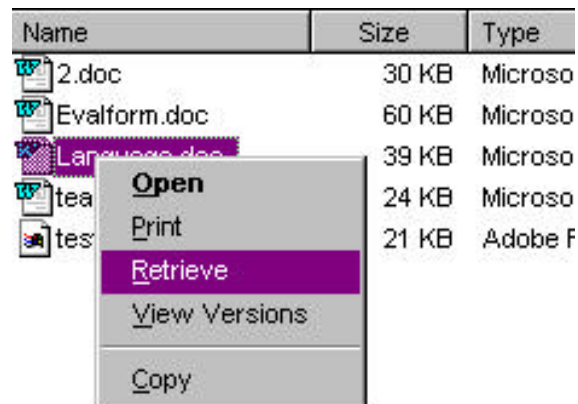
To select multiple files or folders within a single folder, press and hold the CTRL key while clicking the desired items with the left mouse button. Then release the CTRL key and click with the right mouse button.

Chapter 9: Find Files Fast with HP Simple Trax

4. Click **Retrieve** from the popup menu. The Retrieve screen appears:

5. Set the retrieve options:

   A**sk before overwriting files**—Normally Simple Trax will ask before overwriting files of the same name. Clear this box only if you want Simple Trax to overwrite files without asking first.

   Include subdirectories—Check this option to retrieve all subdirectories in the selected folder. (This option is useful only if you have selected one or more folders.)

   Copy files to an alternate location—Use this option to copy files to a different location on your hard drive than from where they were originally copied. Type the desired drive and path or click Browse and select the new location from the list of folders on your hard drive(s). If you do not choose this option, your files will be copied back to their original location.

6. Click **OK** to continue. If the correct CD is not in the drive HP Simple Trax prompts you for the required CD. HP Simple Trax retrieves the most recent versions of selected files.

Retrieving an Earlier Version of a File

Earlier versions of a file can be retrieved using the View Versions option. You can use this feature to view or recover files saved prior to major revisions.

To retrieve an earlier version of a file:

1. Run **Windows Explorer** by clicking the **Start** button, pointing to **Programs**, and clicking **Windows Explorer**.

2. Click the file on your hard drive that you want to retrieve with the right mouse button, point to **HP Simple Trax** on the popup menu, and select **View Versions**. The File Protection History dialog box appears:
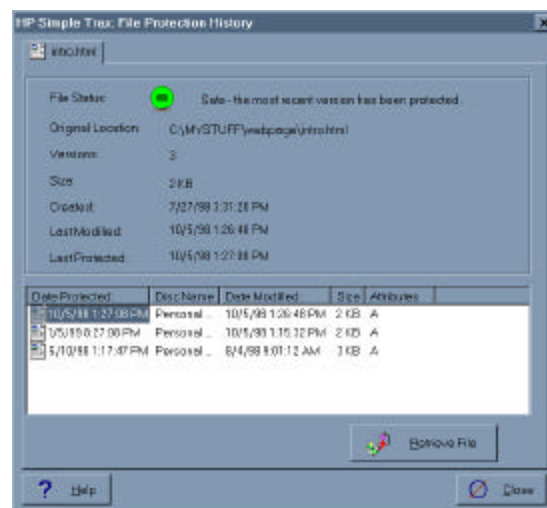
3. Click the desired version and click the **Retrieve File** button. Older versions of a file can only be retrieved one at a time.

Importing CDs into HP Simple Trax

If you have CDs that were created before you installed Simple Trax, you can still have Simple Trax keep track of their contents by "importing" the CD into Simple Trax. When you import a CD, HP Simple Trax gathers information about the files on the CD and stores that information on your hard drive. This information makes it possible for you to easily find and retrieve files and to browse the contents of the CD without putting the CD in your CD-Writer Plus.

There are several cases in which you may want to import a CD:

■ To start tracking files that you have previously copied to CDs without using HP Simple Trax

■ If you want to start tracking files on a CD created by someone else or a commerically made CD

■ If for any reason the information HP Simple Trax stores on your hard drive is lost or damaged you can reconstruct that information by importing all Simple Trax CDs

To import a CD into HP Simple Trax:

1. Place the CD you want to import into your CD-Writer Plus.

2. Run **Windows Explorer** by clicking the **Start** button, pointing to **Programs**, and clicking **Windows Explorer**.

3. With your right mouse button, click on the drive icon for your CD-Writer. A popup menu appears:

4. Point to **HP Simple Trax** and click **Import** from the HP Simple Trax menu. The Import Wizard appears.

5. Follow the instructions on the screen. The import process can take anywhere from a couple of minutes to over an hour. The duration of the operation depends mainly on the type of computer you have and the number of files on the CD.

Event Logs

An event log is automatically created every time a Simple Trax operation runs—such as a retrieve, import, or scheduled copy. Look at the event log for additional information if an error message appears during an operation.

To view an Event Log:

1. Point to **Start**, then to **Programs**, **HP CD-Writer Plus**, then to **HP Simple Trax**, and click **HP Simple Trax Control Panel**. The Control Panel Screen appears.

2. Click on the **Event Log** tab towards the top of the screen.

3. Highlight the event log you want to see and click on **View**.

To delete an event log:

1. Highlight the event log you want to delete and click **Delete**.

   NOTE: When you delete an event log, it cannot be restored.

Changing the Index Display

You can view the index by folder or by CD. The initial setting is to display the contents of a CD by folders.

To change the way the index is displayed:

1. Run **Windows Explorer** by clicking the **Start** button, pointing to **Programs**, and clicking **Windows Explorer**.

2. Click on the **Simple Trax Index** icon. You may need to scroll down to see it.

3. From the **View** menu, highlight **HP Simple Trax View Options**, then click on either **By CD** or **By Folder**.

   Choosing **By CD** will display the contents of your index by the CD on which the files are located. Choosing **By Folder** will display the contents of your index by folders.

Chapter 9: Find Files Fast with HP Simple Trax

Chapter 10:
HP Disaster Recovery

HP Disaster Recovery is an application that will help you to recover your data and operating system after a hard-drive failure. It is important that you create a Disaster Recovery Set as soon as possible. Should a disaster occur, the information in the Disaster Recovery Set will enable you to return your system to the state it was in at the time you created your Disaster Recovery Set.

Getting Started

The first step in securing the data on your system is creating the Disaster Recovery (DR) Set. The DR Set will contain the information necessary to recover your system. A new DR Set should be created when new hardware or software has been added to your system, or if many changes have been made to your files since the last DR Set was created.

The Disaster Recovery Wizard will guide you through the steps required to create the DR Set with easy-to-follow instructions for protecting your valuable data. Once the DR Set has been created, it will allow you to recover your system should your hard-drive fail, even if your Windows operating system will not start.

When you install HP Disaster Recovery, the program and its folder are added to the Windows Start Menu.

10-1

What you will need

To create the Disaster Recovery Set, you will need the following items:

For Windows 95 and Windows 98

■   One or more blank, formatted 1.44MB diskettes*

■   One or more blank HP CD-R/CD-RWs*

■   Windows 95/98 installation CD or install set

> *What is an install set?* An install set is the list of files used to install a product or operating system. Computers shipped with pre-installed operating systems (i.e. Windows 95/98) may not include a Windows installation CD. In this case, HP Disaster Recovery will require your Windows install set to create the Disaster Recovery Set.

For Windows NT

■   Four (4) blank, formatted 1.44MB diskettes

■   One or more blank HP CD-R/CD-RWs*

■   Windows NT installation CD

*The number of diskettes and CD-R/CD-RWs required will depend on the amount of data on your system.

Creating the Disaster Recovery Set

To create your Disaster Recovery Set:

1.   Click the **Start** button located on the Windows taskbar. Select **Programs**, **HP CD-Writer Plus**, **HP Disaster Recovery**, then select **Disaster Recovery**.

     HP Disaster Recovery Wizard appears.

2.   Follow the instructions on the Wizard screens to create your Disaster Recovery Set.

     It is recommended that you label your diskettes and CD(s) when prompted in the Wizard, and store them in a safe place. A new DR Set should be created when new hardware or software has been added to your system, or if many changes have been made to your files since the last DR Set was created.

Partitioning Your Drive(s)

In the event that you must perform a recovery, HP Disaster Recovery will require that you partition your new drive(s) to the same settings as were set before the drive failure. In order to do this, it may be helpful to make a record of your current partition settings on paper and keep an updated record of these settings with each DR Set.

> ***What is a partition?*** A partition is a logical section of your hard disk. One physical hard disk may be partitioned into two or more logical hard-drives.

To make a record of your partition settings:

1. Double-click the **My Computer** icon located on your desktop.

   The **My Computer** Window appears.

2. Select **Details** from the View menu.

   A list of drive types will appear under the **Type** heading, to the right of your drive letter.

3. Under the **Name** heading, right-click on the drive letter listed as a Local Disk, then select **Properties**.

   The selected drive's Properties dialog box appears.

4. Write down the information displayed in the **Type** dialog.

5. Write down the information displayed in the **Capacity** dialog.

6. Repeat steps 3-5 for each Local Disk on your computer.

Testing your Disaster Recovery Set

After you have created the DR Set, you will be asked if you would like to test the DR Set. Testing the DR Set is very similar to performing an actual recovery; however, be sure to stop testing when instructed to do so. This test is to verify that your drive is responding properly.

To test your Windows 95/98 Disaster Recovery Set:

1. Follow steps 1 through 8 in the Windows 95 and Windows 98 section of "Recovering Your Data."

Chapter 10: HP Disaster Recovery

⚠ *WARNING: Be sure to discontinue testing the DR Set when instructed to do so. By proceeding with the recovery process, you would be recovering the data from the CD which would overwrite the data on that drive.*

2. If you do not receive the messages listed in the steps for data recovery, follow the directions for creating another Disaster Recovery Set. See "Creating the Disaster Recovery Set" on page 10-2.

To test your Windows NT Disaster Recovery Set:

1. Follow steps 1 through 8 in the Windows NT section of "Recovering Your Data."

⚠ *WARNING: Be sure to discontinue testing the DR Set when instructed to do so. By proceeding with the Disaster Recovery Wizard, you would be recovering the data from the CD which would overwrite the data on that drive.*

Recovering Your Data

If you are certain that you have lost your data due to a major system problem, such as a hard-drive failure, it will be necessary to recover your data by using your most recent Disaster Recovery Set.

HP Disaster Recovery uses the data located on your Disaster Recovery Set to restore your files and other vital system information to your new or replaced hard-drive.

For Windows 95 and Windows 98

The Disaster Recovery process for Windows 95 and Windows 98 takes place in DOS. A series of screens will appear in DOS and prompt you to insert the media from your Disaster Recovery Set.

What is DOS? DOS is a simple operating system that resides on your Windows 95/98 Startup Disk.

To recover your data:

1. You should first decide if another recovery method is possible. For example, if the problem appears to be associated with the Windows operating system, such as a corrupt registry, try to recover by following

the steps outlined in your Microsoft Windows User's Manual before attempting the following procedures. If you have determined that a hard-drive failure has occurred, proceed to Step 2.

2. Replace any damaged hard-drives with comparable drives.

   In order to recover all of your information, HP Disaster Recovery must have at least as much hard disk space as existed before the drive failure.

3. Insert the Windows Startup Disk (diskette #1 of the DR Set) into the 3.5" floppy drive from which your computer boots, and restart your computer.

   A DOS screen appears.

4. If a Windows Startup Diskette #2 was created (not all systems require the creation of this diskette), insert Diskette #2 into the 3.5" floppy drive from which your computer will boot.

5. At the prompt, type `A:\README` then press **Enter**.

   The README.TXT appears.

6. After reading the text, press **Alt+F**, then press **X** to exit the editor.

   It may be necessary to prepare your hard disk using the following tools which are located on the Disaster Recovery Diskette:

   ■ FDISK—Re-partitions your hard disk

   ■ FORMAT—Formats one or more partitioned drives

   ■ SYS—Installs the system boot files onto the hard disk

   NOTE: For instructions on the use of these utilities, please refer to your operating system user manual or contact Microsoft.

7. At the prompt, type `A:\RECOVER` and press **Enter**. Your DR files will be copied from the diskette to your hard-drive.

   The following message should appear:

   ```
   Please insert Disaster Recovery CD #1 into your
   HP CD-Writer Plus.
   ```

8. Insert Disaster Recovery CD #1 into your HP CD-Writer Plus drive, then press **Enter**.

Chapter 10: HP Disaster Recovery

NOTE: If your Disaster Recovery Set consists of more than one CD, you will be prompted to insert each of the CDs in the order they were created.

The following message should appear:

```
Test successful. To continue your recovery,
select RECOVER.

If you are testing, select EXIT.
```

9. To continue recovering your system, press **F5**.

Or,

To exit the Disaster Recovery process, press **F10**, remove any diskettes or CDs from your drive(s) and restart your computer.

⚠ *WARNING: If you are just performing a test of your Disaster Recovery Set, the test is now complete. Do not continue past this step. Please remove any diskettes and CDs from your drive(s) and restart your computer.*

The following message should appear:

```
Select the volume that you wish to recover.

Drive C: [Volume C Name]
Drive D: [Volume D Name]
```

NOTE: If you have only one drive, it will be automatically selected for recovery and this screen will not be displayed.

10. Select the volume that you wish to recover by highlighting the volume using the Up and Down arrow keys, then pressing **Enter**.

You will then be asked to confirm your selections before recovering your information.

11. Press **Enter** to confirm your selections, or press **Esc** to return to the previous screen(s) and make a different selection.

NOTE: If Disaster Recovery CD #1 is not in your HP CD-Writer Plus, you will be prompted to insert it at this time.

HP Disaster Recovery will now begin recovering your system.

The recovery process will take some time to complete, depending upon the amount of data you are recovering. You will be prompted to insert the CDs in the order they were created.

12. Once the volume has been recovered, a summary of the process will be displayed. To exit this screen, press **Enter**. If there is more than one volume to be recovered, you may select it at this time.

After recovering the volume(s), you may wish to view the REPORT.TXT file which contains a text summary of the files that could not be recovered. If you wish to view this file, you must first exit the program by pressing **Esc** twice, then type EDIT REPORT.TXT. After reading the text, press **Alt+F**, then press **X** to exit the editor. For more information on files that could not be recovered, see "Files Not Recovered" on page 1-9.

Your recovery is complete. Remove any diskettes and CDs from your drive(s) and restart your computer.

NOTE: It may be necessary to restart your computer more than once if any hardware in your system has changed since your DR Set was created.

For Windows NT

The Disaster Recovery process for Windows NT begins with a minimal install of the Windows NT Workstation, performed from the Disaster Recovery Set.

HP Disaster Recovery screens will display messages instructing you when to insert the diskettes and CD(s) from your Disaster Recovery Set. Once the Setup portion of the minimal install has been completed, the Disaster Recovery Wizard will appear and guide you through the rest of the recovery process.

To recover your data:

1. You should first decide if another recovery method is possible. For example, if the problem appears to be associated with the Windows operating system, such as a corrupt registry, try to recover by following the steps outlined in your Microsoft Windows User's Manual before attempting the following procedures. If you have determined that a hard-drive failure has occurred, proceed to Step 2.

2. Replace any damaged hard-drives with comparable drives.

Chapter 10: HP Disaster Recovery

In order to recover all of your information, HP Disaster Recovery must have at least as much hard disk space as existed before the drive failure.

3. Insert the Windows NT Workstation Setup Boot Disk (diskette #1 of the DR Set) into into the 3.5" floppy drive from which your computer boots, and restart your computer.

   You will be guided through a partial NT installation.

4. When prompted, insert Windows NT Workstation Setup Disk #2 into the 3.5" floppy drive from which your computer boots..

   The NT Setup screen should now appear.

5. Choose Express Setup (recommended) or Custom Setup from the NT Setup screen.

   ■ **Express Setup**—Should be selected if you do not need to partition any drive(s), or if you are testing your DR Set. Select this option by pressing **Enter**.

   ■ **Custom Setup**—Should be selected if your primary partition needs to be set up, or if your backup device is not located. Also, if the SCSI card your device is attached to is not detected, you will need to go through a Custom Setup with your Controller Card Installation Diskette. Select this option by pressing **C** on your keyboard.

   You should attempt to partition any new drive(s) to the same settings as were set before the drive failure. In order to partition your drive(s), select **Custom Setup** and follow the instructions on your screen. Only the boot drive and the NT installation drive need to be partitioned at this time. You will be able to partition and format other drives at a later time through the Disk Administrator in the HP Disaster Recovery process.

   After proceeding through an Express or Custom Setup, you will be prompted to insert the remaining diskettes and CDs from your Disaster Recovery Set.

6. When prompted, insert Windows NT Workstation Setup Disk #3 into the 3.5" floppy drive from which your computer boots.

7. When prompted, insert your Windows NT installation CD into your HP CD-Writer Plus drive.

8. When prompted, insert Windows NT Workstation Setup Disk #4 into the 3.5" floppy drive from which your computer boots.

When Setup has finished copying files to your hard disk, you will be prompted to remove any floppy diskettes and CDs from your drive(s) and restart your computer. Once you have restarted your computer, the HP Disaster Recovery Wizard should appear and guide you through the rest of the recovery process.

⚠ *WARNING: If you are just performing a test of your Disaster Recovery Set, the test is now complete. When the HP Disaster Recovery Wizard appears, it is an indication that your drive is responding properly to your current Disaster Recovery Set. Click **Cancel** to exit, remove any diskettes and CDs from your drive(s) and restart your computer. If you are performing an actual recovery, proceed to the next step.*

9. Follow the instructions on the Wizard screens to complete the Disaster Recovery.

   When the Disaster Recovery is complete, the HP Disaster Recovery Wizard will report that your data was either successfully recovered, in which case you may remove any diskettes and CDs from your drive(s) and restart your computer, or a Report button will appear.

   If a Report button does appear on the Wizard screen, click on **Report** to view any files that could not be recovered. For more information on any files that could not be recovered, see the following section: "Files Not Recovered".

Files Not Recovered

HP Disaster Recovery will report any file(s) that could not be recovered, along with a brief explanation for the reason the file(s) could not be recovered in the REPORT.TXT file.

To view this file:

For Windows 95/98—After recovering the volume(s), you must first exit the program by pressing **Esc** twice, then type EDIT REPORT.TXT. After reading the text, press **Alt+F**, then press **X** to exit the editor.

For Windows NT—When the recovery is complete, the final Wizard screen will display a Report button if there were any files that could not be recovered. Click on **Report** to view this file.

Chapter 10: HP Disaster Recovery

- **Busy Files**—If any files were inaccessible at the time you created your Disaster Recovery Set, or at the time of the recovery process, these files will be listed in the Report file as not having been recovered.

- **Damaged Media**—If the media containing your Disaster Recovery Set is damaged, some of the data on that media may not be recoverable. Any files that could not be recovered due to damaged media will be listed in the Report file. To recover these files, close all running applications and use an older Disaster Recovery Set to perform another recovery.

- **Damaged hard-drive**—If the hard-drive you are recovering to is damaged, some files may not be recoverable. Any files that could not be recovered due to a damaged hard-drive will be listed in the Report file. Replace or fix the current hard-drive and perform another Disaster Recovery.

- **Not Enough Disk Space to Restore**—In order for HP Disaster Recovery to recover all of your information, there must be at least as much disk space on the hard-drive to which you are recovering, as existed on the hard-drive from which you created your DR Set. If your current drive does not contain enough disk space, certain files will be listed as not having been recovered.

To perform a complete recovery:

Re-partition your hard-drive(s) to accommodate your data and perform another Disaster Recovery.

Or,

Replace your current hard-drive with a larger hard-drive and perform another Disaster Recovery.

Appendix A:
Technical Specifications

Minimum System Requirements

Your computer should meet or exceed these requirements:

■ IBM or compatible Pentium/133 Mhz processor or above

■ Microsoft® Windows 95®, Windows 98®or Windows NT® 4.0

NOTE: For Windows NT, Service Pack 3 or greater is required.

■ 32 MB RAM

■ Hard drive with at least 528 MB storage capacity

■ 35 MB free hard drive space for installing the software described in the User's Guide

■ High-speed parallel port (EPP or ECP) set to:
  - IRQ 7 and I/O address 378 *or*
  - IRQ 5 and I/O address 278

In Windows 95/98, to check the configuration settings of your parallel port:
  - Right-click on the **My Computer** icon
  - Select **Properties**
  - Select the **Device Manager** tab
  - Double click **Ports (COM & LPT)**
  - Highlight **Printer Port**
  - Click on the **Properties** button
  - Select the **Resources** tab
  - Look at the numbers listed for Input/Output Range (I/O)
    and Interrupt Request (IRQ)

If the numbers need to be changed, see the documentation that came with your computer.

A-1

If your driver installation diskette is lost or damaged:

To create a driver installation diskette, insert "Software Disc 1" into the CD-ROM drive. From the main menu, click **Browse this CD**. Double-click the **CopyDisk** folder and then double-click **Copydisk.exe**. Select the Driver Installation Diskette option and follow the instructions.

What Affects System Performance

How well your computer functions with the CD-Writer Plus drive, particularly how fast it writes data to a CD, depends on a number of factors. Some of these factors are listed below.

- **Processor (CPU).** The type and speed of your processor greatly affects the speed at which your computer transfers data to and from the CD-Writer Plus drive. If the processor speed is too slow, you may have to write at 1x speed.

- **RAM.** Your computer must have enough memory available to handle its operating system, the CD-Writer Plus drive's applications, and the data you are transferring to and from CDs. The system should not have to swap data to and from the hard drive.

- **Your Hard Drive.** The speed at which your hard drive accesses and transfers data (its *access time* and *transfer rate*) affects performance. Newer hard drives, those with a storage capacity greater than 528 MB, are fast enough to handle the CD-Writer Plus drive's 2x write speed.

- **Parallel Port Type.** The type of parallel port on your computer has a major influence in determining the speed at which your CD-Writer Plus drive runs. Possible parallel port types are:

  - Standard parallel port (SPP) which is sometimes called bi-directional or compatible

  - Enhanced parallel port (EPP)

  - Extended capabilities port (ECP)

Most PCs shipped since January 1995 contain support for the required high-speed EPP and ECP modes. Systems shipped before this date may only support SPP.

SPP mode allows the CD-Writer Plus drive to run at up to a 2x read speed and up to a 1x write speed if the other minimum system requirements are met.

EPP and ECP modes allow the CD-Writer Plus drive to run at up to a 6x read speed and a 2x write speed if the other minimum system requirements are met.

TIP: Check your computer's specifications to see which kind of parallel port was installed. Sometimes a fast ECP/EPP port will be set up as a slow standard mode port at the factory. Check your computer's manual to find out how to reset it to the faster speed. If that doesn't work you can also install a faster parallel port.

■ **I/O and IRQ.** The IRQ (interrupt request) and I/O (input/output) range are the computer resources used by the parallel port. The CD-Writer Plus drive requires a parallel port set to:

IRQ 7 with I/O base address 378, *or*

IRQ 5 with I/O base address 278

Most computers automatically assign these. But, depending on your configuration, you may run into conflicts with other devices. For example, another device (such as your sound card) may be assigned the same settings. If there is a conflict, it must be corrected before installing the drive.

To find out which device is in conflict:

In Windows 95/98, right-click on the **My Computer** icon, select **Properties**, select the **Device Manager** tab, double-click on the computer icon to see a list of which device is using each resource setting on your computer.

■ **For optimum performance,** run SCANDISK.EXE and DEFRAG.EXE on your hard drive before using your CD-Writer Plus drive for the first time (see your Windows manual for more information). Then run them periodically after that. These programs improve access times to the hard drive, which will help improve system performance while writing to and reading from the CD-Writer Plus drive.

NOTE: Refer to your computer manual or contact your computer vendor if you have any questions about your computer's configuration or capabilities.

Product Specifications

ISO 9660 Disc Data Capacity (74 Minute CD)

Number of sessions	Size required for header information	Size available for data/ per session
1	approximately 23 MB*	627 MB one session
5	approximately 79 MB (approx. 23 for the first, 14 MB each of the rest)	114 MB each session
10	approximately 149 MB (approx. 23 for the first, 14 MB each of the rest)	50 MB each session
30	approximately 430 MB (approx. 23 for the first, 14 MB each of the rest)	7.4 MB each session

*1 MB is defined as 10^6 bytes

UDF 1.5 Disc Data Capacity (74 Minute CD)

530 MB for CD-RW

618 MB for CD-R

Performance

Buffer size: 991 kB to 975 kB (depending on writing mode)

Average access time (1/3 stroke): <125 ms

Data transfer rate (recording):
  150 KB/s sustained (1x speed)
  300 KB/s sustained (2x speed)

Data transfer rate (reading):
  150 KB/s (1x speed, CLV mode)
  300 KB/s (2x speed, CLV mode)
  up to 900 KB/s (6x speed, CAV mode)

Error rate: < 1 frame/10^{12} bits

Audio distortion: < 0.1%

Discs supported

120 mm and 80 mm CD-R (write-once) media

120 mm CD-RW (ReWritable) media
  For a description of which CD drives can read discs created with
  certain application/media combinations see the interchange
  summary on page 4-5.

Interface

Electrical interface:
  parallel port EPP/ECP

Loading mechanism: tray

Logical recording format (depending on application used):
  ISO 9660
  UDF 1.5
  CD-DA

Dimensions

Height: 66 mm (2.6")

Width: 180 mm (7.1")

Depth: 284 mm (11.2")

Weight (net): 2.157 Kg (4.7 lbs)

Environmental

Temperature
  operating: 10°C to 35° C (50°F to 95°F)
  nonoperating: -40°C to 70° C (-40°F to 158°F)

Humidity (no condensation allowed)
  operating: 10% to 80% RH
  nonoperating: 5% to 90% RH

Shock and Vibration
  HP Corporate Environmental Test Class B1

Power requirements
  Typical usage: 10.7 W
  Maximum usage: 12.4 W

Appendix B:
Customer Support

Before You Call HP

If your own troubleshooting efforts fail, contact Customer Support. Make sure you are at your system and have your drive installed when you call. Phone numbers begin on page B-5. Before you contact them, have the information below ready. For help finding this information, see page B-2. If you receive an error message, write it down before you call.

Information	For your computer
CD-Writer Plus drive model	
Drive firmware version	
Drive serial number	
Computer brand and model	
Operating system and version	Windows 95, Windows 98, or Windows NT 4.0 Version: (for NT) Service Pack Number:
Amount of RAM installed	
Other CD-ROM drives? *yes/no* (If *yes*, list them)	
Sound card? *yes/no*	Type:
Parallel port type and system resources in use	EPP, ECP, other IRQ _____ I/O port _____

B-1

Information	For your computer
Printer connected to the CD-Writer Plus drive? What kind?	
CD-Writer Plus in warranty? See page xi	

Where to Find This Information

CD-Writer Plus drive model

The CD-Writer Plus drive model number appears on the front of the CD-Writer Plus drive, as well as on the box. *Example: 7500 Series*

Drive firmware version

In Windows 95 and Windows 98, the drive firmware version and model number (above) appear in the CD-ROM settings. Right-click on the **My Computer** icon, select **Properties**, select the **Device Manager** tab, double-click on **CDROM**. Double-click on the **CD-Writer Plus** drive, and then click on the **Settings** tab. *Example: Firmware revision 1.00*

In Windows NT, the drive firmware version and model number (above) appear in the CD-ROM settings. Open the Control Panel. Then do one of the following:

■ Click on **SCSI**. Scroll down the list, double-click on **ATAPI**. Double-click on the CD-Writer Plus drive, and then click on the **Settings** tab. *Example: Firmware revision 1.00*

■ Click on **SCSI**. Scroll down the list, double-click on "Shuttle parallel-to-ATAPI CD." Double-click on the CD-Writer Plus drive, and then click on the **Settings** tab. *Example: Firmware revision 1.00*

Drive serial number

The CD-Writer Plus drive serial number appears on a sticker on the back of the CD-Writer Plus drive.

Computer brand and model

The computer brand appears on the front of your computer and in the documentation that came with your computer. *Example: HP Pavilion 8190.*

Operating system and amount of RAM installed

In Windows 95 or Windows 98, from the **Start** menu on the task bar, select **Settings/Control Panel**. Double-click on **System**. Select the **General** tab. Write down the version number and the amount of memory installed; *for example: 4.00.950 and 32 MB RAM.*

In Windows NT (while signed on as Administrator), from the **Start** menu on the task bar, select **Programs/Administrative Tools (Common)/ Windows NT Diagnostics**. Select the **Version** tab and write down the version number and service pack number; *for example: 4.00.1381 and Service Pack 3.* Then select the **Memory** tab and write down the amount of memory listed under Physical Memory - Total; *for example: 32 MB RAM.*

Other CD-ROM drives

Your computer may have come with an internal CD-ROM or you may have purchased a CD-ROM drive. Check the documentation that came with your computer or CD-ROM drive. *Example: Mitsumi 4x CD-ROM*

Sound board

Your computer may have come with a sound board and speakers or you may have purchased them separately. Check the documentation that came with your computer or sound board. *Example: Sound Blaster*

Parallel port type and system resources in use

In general, computers manufactured after January 1995 have the required high-speed parallel port (EPP or ECP). Check the manuals that came with your computer to confirm this. Older computers generally have a slower standard port. *Example: standard, bidirectional*

In Windows 95 or Windows 98, display the Device Manager. Double-click on **Ports (COM & LPT)**. Double-click on the printer port, and then click on the **Resources** tab. *Example: I/O Range 0378-037B, Interrupt Request 7.*

HP Customer Support

If you need help with your CD-Writer Plus drive, your local reseller has the latest information regarding HP products and services and can provide support under HP's comprehensive menu of reseller services. If your reseller is not able to help, you can obtain support from HP directly either through free 24-hours/day interactive electronic services or by telephone (free during warranty). To get help with the software that came with CD-Writer Plus, call the appropriate number listed below (free during warranty).

America Online . . . . Keyword: hpstor

CompuServe . . . . Go HPSYS

World Wide Web . . . . www.hp.com/isgsupport/cdplus

Bulletin board site (8,N,1,F, 1200-28.8K baud)
    Europe . . . . +31 (0)495 546909
    Asia/Pacific
        Australia . . . . (03) 9890 0276
        Korea. . . . . Hitel: (02) 762-0228
        . . . . Access: Go HPK
        . . . . Chollian: (02) 220-2001
        New Zealand. . . . . (09) 356 6642
        Taiwan . . . . (02)9233233
        . . . . First Name: HP
        . . . . Last Name: BBS

HPFirst Faxback Service
    Simply dial the fax number from a touch-tone phone or Group 3 fax machine and follow the voice prompts to select the index of available support and product information documents.

    USA and Canada . . . . 800-368-9673 or 970-635-1510
    Europe
        Austria (free line) 0660 8128
        Belgium (free line)
        - Dutch 0800 11906
        - French 0800 17043
        Denmark (free line) 800 10453
        Finland (free line). 9800 13134
        France (free line) 05 905900
        Germany (free line) 0130 810 061
        Italy (free line) 1678 59020
        Netherlands (free line) 06 022 2420
        Norway (free line) 800 11319
        Spain (free line) 900 993123
        Sweden (free line). 020 795743
        Switzerland (free line)
        - French 155 1526
        - German 155 1527
        United Kingdom (free line) 0800 960271
        Other locations in Europe (toll line) . . . . . . +31 (0)20 681 5792

Asia/Pacific
    Australia . . . . (03) 9272 2627
    China . . . . (010) 6564 5735
    Japan. . . . . (3) 3335 8622
    Korea. . . . . (02) 769 0543
    New Zealand. . . . . (09) 356 6642
    Singapore . . . . (65) 291 7251
    Taiwan . . . . (02) 719 5589

E-mail . . . . SureStore_Support@hp.com

FTP Site . . . . ftp.hp.com
    Login: . . . . anonymous
    Password: . . . . (Your email address)
    Directory: /pub/information_storage/surestore/cd-writer_plus

Telephone
  For telephone number updates:
    http://www.hp.com/cpso-support/guide/psd/cscinfo.html

  USA (Support available 24 hours a day, 7 days a week)
    Literature and dealer referral 970-635-1500
  During warranty period
    Technical support 970-635-1500
  After warranty period (charges begin only when you connect to a Support Technician,
  prices are subject to change without notice)
    Technical Support 800-810-0130
    (Per incident fee of $25 US dollars charged to
    Visa, MasterCard or American Express)
    U.S. only Technical Support. 900-555-1800
    ($2.50 per minute/maximum of $25. You must be 18 years
    of age or have parental permission to call 900 numbers.)

  Use these Technical Support numbers during and after your warranty period. No charge
  for technical support during warranty period. Per incident charge after warranty period.
  Canada (M-F, 8:00-20:00 Eastern Time)
    Technical support in English and French 905-206-4663
    Pour assistance en français et anglais 905-206-4663
  Europe (M-F, 8:30-18:00 Central European Time)
    Austria 06 60 63 86
    Belgium
    - Dutch 02 626 88 06
    - French 02 626 88 07
    Czech Republic. 42 2 471 7321
    Denmark. 39 29 40 99
    Finland 02 03 47 288
    France 01 43 62 3434
    Germany. 0180 52 58 143
    Hungary 36 1 252 4505
    Ireland 01 662 55 25
    Italy 02 2 641 0350
    Netherlands 020 606 87 51

Appendix B: Customer Support

Norway 22 11 62 99
Portugal 01 44 17 199
Russia 7095 923 5001
Spain. 90 23 21 123
Sweden 08 61 92 170
Switzerland (French, Italian, and German) 08 48 80 11 11
Turkey. 90 1 224 5925
United Kingdom. 0171 512 52 02
English language support from other countries+44 171 512 52 02
Latin America
Argentina (M-F, 8:30-19:30) . . . . (54) (1) 787 8080
Brazil (M-F, 8:00-19:00) . . . . (55) (11) 829 6612
Chile (M-F, 8:30-18:30) . . . . (56) (2) 800 360999
Mexico (M-F, 8:30-18:30) . . . . (52) (5) 800 22 14700
. . . . (52) (5) 800 90 52900
Venezuela (M-F, 9:00-18:00). . . . . (58) (2) 207 8488
Asia/Pacific
Australia (M-F 7am-7pm, Melbourne Time) . . . (03) 8877 8000
China (M-F 8:30-17:30) . . . . (010)-6564 5959
. . . . Hotline (010)-6262 3888 extension 6101
. . . . Product Service Center
. . . . .Sigma Building, No. 49 Zhi Chun Road
. . . . Haidian District, Beijing 100080, P.R.C
Korea (M-F, 8:30-19:00)(02) 3270-0700 / 080-999-0700 (toll free)
New Zealand (M-F, 9am to 9pm Auckland Time) (09) 356 6640
Singapore (M-F, 9:00-17:00) . . . . (65) 272-5300
Taiwan (M-F, 8:30-17:30) . . . . (02) 717-9609

FAX
USA. 970-667-0997
Asia/Pacific
Australia . . . . (03) 9272 4099
Korea. . . . . (02) 3270-0707
New Zealand. . . . .(+61 3) 9272 4099
Singapore . . . . (65) 274-2033
Taiwan . . . . (02)5140276

Returning a Drive

If your Hewlett-Packard product requires repair or replacement, call the
appropriate number for your country from the list beginning page B-5 to receive
instructions.

Index

Index

Index

C4413-90100

ENGLISH
7500e/7510e EXTERNAL USER'S GUIDE

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com