

# 8210e

A versatile CD-Recordable/CD-ReWritable drive that simply connects to a PC's USB port. It's that easy. Plus, the CD-Writer 8210e is ideal for sharing among multiple PCs. You can easily store up to 650 MB of data, music and video on high-quality, durable CDs that can be shared with over a billion CD and DVD players worldwide.\* The 8210e comes loaded with software including ACID Music Creator and Broderbund Multimedia Organizer Deluxe. It also includes a CD labeler to add a finishing touch to a complete solution.



## HP CD-Writer Plus 8210e

| HP Advantages            | Features                                      | Benefits  |
|--------------------------|---|---|
| <b>Simple Connection</b> | USB Interface                                 | Easy connection means no hardware installation; Just connect and go! Plus, you can share among laptops and PCs  |
| <b>Performance</b>       | 4X Write/4X ReWrite Speed                     | Write in under 10 minutes; Rewrite in under 20  |
| <b>Innovation</b>        | HP Fast Format                                | Save up to an hour or more of formatting time. Only HP lets you begin writing to a CD-RW in under five minutes.   |
| <b>Value</b>             | Complete Solution                             | Includes Adaptec Direct CD and Easy CD Creator software, comprehensive documentation, USB data cable, audio cable, one blank HP CD-R disc and one blank HP CD-RW disc |
|                          | Bonus! FilingCentral by eFax.com              | Keep your documents, scanned images and web pages organized and at your fingertips with easy-to-use electronic file folders   |
|                          | Bonus! Neato CD Labeler                       | Add a finishing touch to your CDs. Create and apply custom labels to help organize and render a professional look   |
|                          | Bonus! Broderbund Multimedia Organizer Deluxe | Collect, organize and publish videos, photos, graphics and music – even screensavers and webpages   |
|                          | Bonus! ACID Music Creator                     | Compose your own music CDs using hundreds of pre-recorded instruments. Plus, mix in your own voice or instruments for a truly unique and fun experience               |
| <b>Reliability</b>       | Hewlett-Packard quality and support           | Peace-of-mind that you're covered by the most trusted name in computer peripherals  |



\*Using CD-R Media



## Specifications

|                          |  |
|--------------------------|--|
| Interface                | Universal Serial Bus (USB)   |
| Loading Mechanism        | Tray Loader, dust sealed   |
| Transfer Rates           | Write: Up to 4x (CD-R & CD-RW) = 600 KB/sec<br>Read: Up to 6x = 900 KB/sec   |
| Buffering                | 2 MB (6 sec at 2x speed)   |
| Write Methods            | <ul style="list-style-type: none"> <li>Track at once</li> <li>Disc at once</li> <li>Incremental (packet)</li> <li>Multisession</li> </ul>          |
| Power Requirements       | Operating Voltage AC Adapter - AC 100 ~ 120 V, 50/60 Hz<br>U.S. Only AC 100 ~ 240 V, 50/60 Hz Outside U.S.<br>Output: +5VDC, 1.2 A; +12 V DC, 0.8A |
| Write Verification       | Automatic Power Control to dynamically adjust laser write power  |
| Format and ECC Standard  | Red, Yellow, (Mode 1 and Mode 2), Orange, and Green<br>(Mode 2 form 1 and Mode 2 form 2) books   |
| Logical Recording Format | UDF and ISO 9660   |
| Encoding Method          | EFM  |
| Media                    | CD-RW or CD-R  |

## Performance

| Sustained Transfer Rates |  |
|--------------------------|--|
| 1X read/write            | Audio: 175 KB/sec.<br>Data Mode 2, Form 2: 171.1 KB/sec.<br>Data (Mode 1 or Mode 2, Form1): 150 KB/sec.  |
| 2X read/write            | Audio: 350 KB/sec<br>Data Mode 2, Form 2: 342.2 KB/sec.<br>Data (Mode 1 or Mode 2, Form1): 300 KB/sec.   |
| 4X read/write            | Audio: 700 KB/sec<br>Data Mode 2, Form 2: 684.4 KB/sec.<br>Data (Mode 1 or Mode 2, Form1): 600 KB/sec.   |
| 6X read only             | Audio: 1026.6 KB/sec<br>Data Mode 2, Form 2: 1050 KB/sec.<br>Data (Mode 1 or Mode 2, Form1): 900 KB/sec. |

|                             |                         |
|-----------------------------|-------------------------|
| Minimum Burst Transfer Rate | 2.5 MB/sec.             |
| Seek Time                   | 125 ms one-third stroke |
| Spin-Up Time                | 2 seconds max.          |
| Initialization Time         | 5 seconds max.          |
| HP Fast Format Time (CD-RW) | 5 minutes max.          |
| Disc Finalization Time      | 2 minutes typical at 2x |

## Reliability

|                      |   |
|----------------------|---|
| Corrected Error Rate | Audio, Data Mode 2, and Mode 2 Form 2: less than 1 uncorrectable frame in 10 <sup>9</sup> bits read. Data Mode 1, and Mode 2 Form 1: less than 1 uncorrectable frame in 10 <sup>12</sup> bits read. |
|----------------------|---|

## Software Features

|   |  |
|---|--|
| <b>Adaptec Direct CD/<br/>Easy CD Creator</b>               | Drag and drop files to CD from Windows Explorer or save directly from any application. Adaptec Easy CD Creator - create data or music CDs that you can share with most CD-ROM or audio CD players. |
| <b>FilingCentral by<br/>eFax.com</b>                        | Keep your documents, scanned images and web pages organized and at your fingertips with easy-to-use electronic file folders.   |
| <b>Neato CD Labeler</b>                                     | Create your own CD label and jewel case artwork and print to either a seinkjet printer. Then use the labeler to apply labels perfectly. Includes labeler, labels and software.                     |
| <b>Broderbund<br/>Multimedia Organizer<br/>Professional</b> | The complete and easy way to collect, organize and publish videos, photos, graphics and music - even screensavers and web pages.   |
| <b>ACID Music Creator</b>                                   | Features a wide variety of instruments and musical styles, letting you create your own songs and record them directly to CDs that you can play in your home, car or portable CD player.            |
| <b>HP Fast Format</b>                                       | Save up to an hour or more formatting time. Only HP lets you begin writing to a CD-R disc in under five minutes.   |

## Ordering Information

| Product                 | Description                               | Product Number |
|-------------------------|---|----------------|
| HP CD-Writer Plus 8210e | External USB CD-Writer Drive              | C4453B         |
| HP 4X CD-RW media       | Media for the HP CD-Writer Drive          | C4438A         |
| HP 8X CD-R media        | Media for the HP CD-Writer Drive          | C4437A         |
| NEW HP Audio Media      | Media for Audio Creation and Reproduction | C7969A         |

## System Includes

External HP CD-Writer 4X4X6X speed USB CD-ReWritable MultiRead drive, installation guide, software, USB cable, 1 HP CD-R (Recordable) disc, 1 HP CD-RW (ReWritable) disc. Software suite includes HP Fast Format, Adaptec Direct CD and Easy CD Creator, Neato CD Labeler, FilingCentral by eFax.com, Broderbund Multimedia Organizer Deluxe, Sonic Foundry ACID.

## Minimum System Requirements

IBM compatible Pentium 166 MHz, Microsoft Windows 98, 32 MB RAM, 35-185 MB free hard disk space to install software. Available USB port. Sound card required for certain applications.

NOTE: Microsoft Windows 95, Windows NT 4.0 Server/Workstation and all versions of Windows CE not supported.

## Media Compatibility

Write : CD-R and CD-RW media (Recommend HP branded media)  
Read: CD-Digital Audio (Red Book) and CD Extra, CD-ROM (Mode 1 - Yellow Book), CD-ROM XA & CD-I (Mode 2/Form 1 - Green Book), CD-ROM XA & CD-I (Mode 2/Form 2 - Green Book), CD-Bridge & Photo-CD (single and multi-session), CD-Video.

| Media Uses                               | CD-RW                                | CD-R | CD-R Audio<br>(consumer digital audio) |
|--|--------------------------------------|------|--|
|  | Develop and maintain large documents | ○    |  |
| Transport work files to and from home    |                                      | ○    |  |
| Create weekly backups of your hard drive |                                      | ○    |  |
| Use like a large floppy diskette         | ○                                    |      |  |
| Distribute large presentations           |                                      | ○    |  |
| Share memories with family and friends   |                                      | ○    |  |
| Write your own music CDs                 |                                      | ○    | ○                                      |
| Keep permanent archived files            |                                      | ○    |  |

## To Order

Please contact your nearest Hewlett-Packard reseller.

For more information

Website ..... [www.hp.cdwriter.com/go/cdr](http://www.hp.cdwriter.com/go/cdr)  
Product Info ..... (970) 635-1500

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