PLEXTOR®

PLEXWRITER™

4/12max SCSI CD-Recordable Drive

Features:

- 4X Recorder
  - Writes at 4X, 2X & 1X speeds
- 12X max/8X min P-CAV Reader
- 190ms Average Random Access
- 2MB Buffer
- Fast SCSI Write & Read
  - 10MB/sec. Burst Transfer Rates
- Reads CD-R/W (CD-ReWritable) media
- Media recognition circuitry and running OPC
- Capable of Digital Audio Extraction at high speed with "bit-by-bit" accuracy
- Windows 95 Plug & Play Compatible
- MMC Compliant
- Writes CD-ROM Modes 1 and 2, CD-XA Form 1 and 2, CD-DA, CD-I, Video CD, & Photo CD
- Creates Audio, CD Plus, Enhanced CD, DOS, Mac, UNIX, Photo CD, CD-I & Video CD Titles
- Supports Disk-at-Once, Track-at-Once, Multisession, Variable & Incremental Packet writing modes
- Plextor Manager Software Utilities
  - DiscDupe CD Duplication
  - Digital Audio Extraction
  - Audio FS (File System) for CD-Audio discs
  - Other CD-ROM utilities
- Caddy load mechanism with tray/caddy adapter*
  - Convenience of tray with the reliability of caddy
- One-Year Full Warranty (parts, labor, replacement)
- Unlimited Toll-Free Tech Support

PX-R412Ci
PX-R412Ce

The PlexWriter 4/12max, Plextor's first high-performance 4X CD-Recordable drive, is a professional quality CD writer. With the PlexWriter, users get uncompromising dependability and performance.

The PlexWriter's Fast SCSI burst rates, low CPU utilization, large buffer and synchronous data transfer all add up to increased efficiency and more reliable CD writing. Once a blank CD-R disc is recognized by the drive's circuitry, the PlexWriter adjusts to provide the optimum laser power and length of burn for that particular media. Reliable CD-R writing is practically a guarantee with the PlexWriter.

Build in Plextor's CD-ROM reader performance and get two drives in one — a blazing recorder and great CD-ROM reader with throughput that zips past any eight speed CD-ROM drive. The PlexWriter reads at a minimum of 8X and maximum of 12X with 190ms average random access times.

An exciting new feature is support for UDF writable file system implemented through packet writing. New software included in Plextor's top end retail kits supports packet writing enabled CD SneakerNet and HDD disaster recovery. Packet writing capability now makes CD-R the least expensive removable and shareable media available. Users can simply drag and drop a file to the PlexWriter and share it with their colleagues, then later continue adding files and sharing the same CD-R disc.

For disaster recovery, Plextor's own hard drive recovery software is unique. Users can record a copy of their hard drive, for example the original software configuration, directly to the PlexWriter. If the hard drive fails, users can boot from the backup disc, then restore not only the data, but also the operating system with original configuration for every program previously installed — all in about five minutes. There is no need to reconfigure the programs, even the user's desktop is restored to its original configuration.

The PlexWriter's caddy load mechanism also protects CD-R media from fingerprints, dust and scratches, and allows for much higher number of media exchanges than a tray mechanism. In addition, with Plextor's unique tray/caddy adapter, a user gets the convenience of tray load without sacrificing the sturdiness and reliability of Plextor's caddy design.*

For professional use, the PlexWriter improves performance of most applications such as saving images or video to CD-R, creating a hard drive backup CD-R, publishing data on CD, mastering new software programs, creating new multimedia titles, mixing and creating custom CD-Audio discs, CD duplication and file sharing.

Available in retail packaging only.

PLEXTOR

PlexWriter 4/12max
MAXIMUM SPEED FOR ULTIMATE NEED

Features and Benefits:

- 4X recording for fastest record speed available in standard half-height form factor drives. At 4X speeds, in only twenty minutes 650MB of data is recorded to CD-R media.
- Maximum of twelve and minimum of eight-speed data transfer. More data throughput than eight speed drives on most of the disc using P-CAV technology.
- Blazing 190ms access times combined with Fast SCSI burst transfer rates speed up multitasking operating systems such as Windows NT and Windows 95. Database searches also run faster.
- Optimized management of 2MB buffer results in use of less CPU resources and more reliable writing.
- More Reliability
  - Solid construction and advanced components place the PlexWriter a cut above the rest. Brushless motors with two bearings ensure minimal disc vibration and years of dependable service.
  - Fast SCSI burst rates, low CPU utilization, large buffer, and synchronous data transfer add up to increased efficiency and more reliable CD writing. Furthermore, once a blank CD-R disc is recognized, the drive provides the optimum laser power and length of burn for that media.
- Front panel and software controls for easy playback of your favorite music CDs.
- Easy installation and upgrade with SCAM (SCSI Configured Auto Magically) — SCSI IDs are auto-selected and termination can be auto-configured. Beneficial for first time install and sharing external drives on several systems, SCAM is true Plug & Play*
- More Compatibility — All major operating systems including Windows 95, Windows NT & MAC OS; writes and reads all major formats; reads all recordable formats — CD-R (CD-Recordable) media, CD-R/W (CD-Re-Writable) and applicable standards such as CD-UDF packet writing standards. The result is worry-free installation and playback.
- Bootable CD Technology — Reboot your crashed system without reformatting your hard disk, even load multiple OSs for specialized applications and games.**

* Requires SCAM (SCSI Configured Auto Magically) capable SCSI interface board available in PlexWriter kits.
** Requires bootable SCSI adapter; available in the PCI version of Plextor's PlexWriter retail packaging.

SPECIFICATIONS
PX-R412Ci/e 4/12max CD-ROM Recorder Internal/External

Disc

Usable Formats Read and Write	CD-DA; CD-ROM (Mode 1); CD-ROM (Mixed Mode); CD-ROM & CD-DA; CD-ROM XA; CD-I; Photo CD; CD-EXTRA; Video CD
Disc Type	ISO 9660-HFS; Rockridge; PhotoCD, Video CD; CD-I; CD-Extra (CD-Plus); Enhanced CD; CD-R; CD+G; CD-Midi; CD-Text
Disc Diameter	12cm (60 min. & 74 min.)
Writing Modes	Track-at-Once, Disc-at-Once, Multisession, Incremental Packet, Variable Packet
Recommended Media	TDK, Taiyo Yuden, KODAK, Ricoh

Performance

Data Transfer Rate	CLV Write/P-CAV Read
Sustained Read/Write	12X (read only) 1.8MB/sec – Outer track
	8X (read only) 1.2MB/sec – Inner track
	4X (read/write) 600KB/sec
	2X (read/write) 300KB/sec
	1X (read/write) 150KB/sec
Burst Read/Write	Default 5MB/sec Burst
	Maximum 10MB/sec Burst
Average Random Access	190ms
Ready Time	CD-ROM: Less than 11 seconds (average)
	CD-R: less than 14 seconds (average)
Data Buffer	2MB
Spindle Motor	Brushless

Error Rate — Mode 1: Block/10^{12} Bits; Mode 2: Block/10^9 Bits

Front Panel

Eject	Auto Eject; Manual Emergency Eject
Lights	DISC IN; ON/BUSY; 1X Write; 2X Write; 4X Write
Disc Loading	Auto
Headphone Jack	Stereo Minijack, 0.8V at 32 Ohms
Volume Control	Wheel Knob
CD-Audio Controls	Play/Track Advance; Stop/Eject

Rear Panel

Power Supply	Int	DC +5V at Average 0.5A (peak 0.8A); DC +12V at Average 0.7A (peak 2.2A)
	Ext	AC 100-240V 50/60 Hz, 0.3A (Auto Switching)
Power Switch	Int	N/A
	Ext	Tumbler Type; 3A, 250V
Interface Connector	Int	SCSI Bus, 50-Pin Header Type
	Ext	SCSI Bus, Two (2) 50-Pin High Density
Termination	Int	Jumper Switch
	Ext	DIP Switch
Audio Output	Int	Analog Output, Molex Connector (L*G*G*R), MPC3 Standard
	Ext	Analog Output, RCA Jacks
Jumper Switches	Int	SCSI ID, Parity, Term, Test, Block Size, Eject
DIP Switches	Ext	Parity, Term, Test, Block Size, Media Lock
Rotary Switch	Int	N/A
	Ext	SCSI ID

Dimensions & Weight

Dimensions	Int	5.78" x 1.64" x 7.95" (without front panel)
(W/H/D)	Ext	7.0" x 2.24" x 12.03" (without projection)
Weight	Int	2.4 lbs.
	Ext	5.7 lbs.

Reliability

MTBF	100,000 POH
Caddy Loading	100,000 Load Cycles

Plextor Manager

Plextor Manager™ 32-bit software utilities offer unique features, including Digital Audio Extraction at high speed. Create .WAV files from CD-Audio discs. Or use Plextor's new Audio FS to view and browse CD-Audio discs as .WAV files auomatically. You can drag and drop these .WAV files to other applications and the extraction occurs automatically. In addition, Plextor Manager offers DiscDupe™ which gives you the power to use CD-ROM drives as a source to duplicate CDs directly to a PlexWriter™ with "bit-by-bit" accuracy using Disc-at-Once method — no expensive software add-ons needed. Other valuable utilities include CD/AV player and complete audio CD control; Disc Info™, which reports the disc format, file type, tracks and number of sessions; and new with CAV technology is the QuickStart™ function — set your drive to optimize either throughput or access speed — whatever your application requires.

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