



YAMAHA

LightSpeed³

THIRD GENERATION CD-RW RECORDER



24x WRITE

FEATURING
**AUDIO
MASTER**
FOR PERFECT
AUDIO RECORDING

Equipped with
SafeBurn™
Buffer Underrun Protection



FEATURES

- ▶ **24X Write Speed:** Record a 74-minute CD in less than 3 minutes* (fast enough to meet the tightest deadlines)!
- ▶ **10X ReWrite Speed:** Record, erase and record again at incredible 10X speed!
- ▶ **40X Read Speed:** With a maximum read speed comparable to top CD-ROM drives, this CD-RW recorder eliminates the need for an additional CD-ROM drive.
- ▶ **40X Maximum Audio Ripping:** Rip a full audio CD in just 3 minutes!
- ▶ **SafeBurn™ Buffer Management System:** Eliminate buffer underrun errors with Yamaha's exclusive SafeBurn System. SafeBurn is the most comprehensive buffer management system in the industry.
- ▶ **Buffer Memory:** With a generous 8MB buffer memory, save time, media, and aggravation.
- ▶ **Mt. Rainier Support:** This recorder features CD-MRW or "Mt. Rainier" support for true drag-and-drop CD rewriting and on-the-fly formatting of the disc, making the CD the ideal floppy disk replacement. This drive can write to a CD as easily as a floppy disk drive!
- ▶ **Audio Master™ Quality Enhancement System:** This exclusive new Yamaha feature is designed to guarantee the best possible audio recording quality on conventional 74 or 80-minute CD-R discs. When Audio Master Recording Mode is enabled, the system widens the lands and the pits, significantly reducing jitter created during CD-R recording, improving audio and music recording quality to a level rivaling professionally prepared music CDs.
- ▶ **PurePhase™ Laser System:** This exclusive Yamaha anti-glare laser technology compensates for unwanted reflections created on the disc surface during recording, reducing jitter rates by over 25% for enhanced reliability and improved performance.
- ▶ **Breakthrough Technology:** By employing Partial CAV (Constant Angular Velocity) technology, this recorder requires no additional time to control the rotation speed of its motor, allowing faster, smoother recording.
- ▶ **Waste-Proof Write Strategy™:** By combining CAV writing support for on-the-fly data backup, fine tunings to the included recording software and Yamaha's exclusive SafeBurn Buffer Management System™, this recorder provides the most robust, stable recording environment available.
- ▶ **RapidLinked™ Packet Writing:** Drag and drop files to CD one at a time or all at once.
- ▶ **CD Text Support:** Encode album and track titles and other messages directly onto CDs.
- ▶ **Flash-ROM:** Instantly upgrade your CD-RW recorder via Firmware downloads to optimize performance and extend its life.

APPLICATIONS



Compile your favorite songs

on your own "greatest hits" audio CDs.



Record your original music

on audio CDs for friends or talent agents



Save photos & videos

for instant access/playback.



Store data & graphics files

to free up limited, costly hard disk space.



Backup & archive information

for instant access to vital data.



Distribute files worldwide

be confident that anyone can read them.

Trust your important data to Yamaha CD-RW drives. CDs are ideal for any storage purpose: they hold up to 700MB of data or 80 minutes of music, offer total security and reliability and are compatible with 300 million computers worldwide. And the best tools for creating CDs are Yamaha 3-in-1 CD-RW drives. With their superior quality, speed, features, dependability and bundled software, Yamaha recorders have received numerous awards and excellent reviews from every corner of the computer industry.

RAVE REVIEWS

Yamaha drives have been earning awards since their introduction. Recent accolades and great reviews include...



- ▶ "Yamaha's SafeBurn technology makes this model an easy choice; the drive had the fastest write speed among the CD-RW drives we tested". - **PC Magazine, July 2001**
- ▶ "With the fastest burning time we've ever recorded, Yamaha leaves the competition humiliated and despondent." - **MaximumPC, July 2001**

REQUIREMENTS

- ▶ Fast hard disk (<15ms access time or better)
- ▶ Fast CD-ROM drive (2400KB/sec or better transfer rate)
- ▶ 32MB of RAM (64MB recommended)

IBM PC and Compatibles

- ▶ Pentium II 300Mhz or faster CPU
- ▶ Windows 95/98/ME/2000 or NT 4.x (with service pack 3/5)
- ▶ SCSI adapter and cable (for SCSI models). Check yamaha.com for recommended SCSI adapters
- ▶ IEEE 1394 port (OHCI compliant) for FXZ model

Macintosh Computers

- ▶ System 7.6 or higher for SCSI models; System 8.6 or later and Firewire version 2.2.2 for FXZ model
- ▶ Available SCSI controller port and SCSI cable (SCSI models) or 6-pin Firewire connector (FXZ model)



INCLUDED SOFTWARE

- ▶ **Ahead® Nero™** Unleash the ultimate CD recording power with the World's Premier, award-winning CD recording software. Supporting a multitude of CD formats, there is no better way to create or copy CD's. Fast, stable, powerful, user friendly, Nero has no equal in CD mastering.
- ▶ **Ahead NeroMIX™** The ultimate style-master in Multimedia CD Creation, this software combines the essential elements of CD burning (data, audio, copying) along with the flair and panache of Internet audio.
- ▶ **Ahead InCD™** Makes your CD Recorder perform exactly like your hard drive or floppy disk drive using CD-RW discs. InCD is automatically launched when Windows is booted, allowing on-the-fly access to your CD-RW recorder for drag and drop and direct saving of files within applications
- ▶ **Ahead NeroMAX™ for Macintosh** NeroMAX is a versatile full-featured CD recording software designed exclusively for use with Macintosh computers. Let NeroMAX impress you with its multiple talents!
- ▶ **Ahead Nero Wave Editor™** Edit audio files, improve the sound and reduce unwanted noise. Wave Editor is the right choice to transfer the music from your old LPs and cassettes to CDs.
- ▶ **Ahead Nero ToolKit™** Designed to be a versatile utility for checking and analyzing other CD/DVD drives in your system, you can now tune-up and troubleshoot all the system components critical in mastering CDs!
- ▶ **Adobe® ActiveShare** Catalog, preview and print your photos and share them on the web with your friends and family.
- ▶ **Adobe PhotoDeluxe™** Scan and retouch images and add special effects using step-by-step guides. Also, hundreds of templates help you create flyers, banners, certificates and more.
- ▶ **Adobe Photoshop LE for Macintosh** Easy-to-use and yet powerful, Adobe Photoshop LE 5.0 for Macintosh provides state-of-the-art imaging tools to let you explore your creativity in digital imaging.
- ▶ **Neato® CD Label Creator** Create, edit and print CD labels and jewel case inserts. Neato's MediaFace™II software is the easiest way to give your CD a polished, professional look.
- ▶ **MusicMatch® Jukebox** Record, organize and play digital music. Jukebox allows you to stream music from the web, save MP3 files directly to CD-R discs and find music that matches your unique tastes.

	CRW3200EZ*	CRW3200SZ	CRW3200SXZ	CRW3200FXZ	CRW3200UXZ
Interface	E-IDE (ATAPI)	Dual (SCSI-3 and E-IDE)	SCSI-3	IEEE-1394 (Firewire)	USB 2.0
Format	Internal	Internal	External	External	External
Write Speed	24X	24X	24X	24X	24X
Re-Write Speed	10X	10X	10X	10X	10X
Read Speed	40X	40X	40X	40X	40X
Access Speed (Average)	150ms	150ms	150ms	150ms	150ms
Max.Data Transfer (Read)	6000KB/sec	6000KB/sec	6000KB/sec	6000KB/sec	6000KB/sec
Buffer Size	8MB	8MB	8MB	8MB	8MB
Safe Burn™ Buffer Protection	Yes	Yes	Yes	Yes	Yes
Audio Master™	Yes	Yes	Yes	Yes	Yes
Mt. Rainier™	Yes	Yes	Yes	Yes	Yes
Data Capacity	700MB (80 min. disc), 650 MB (74 min. disc), 550MB (63 min. disc)				
Loading Mechanism	Tray	Tray	Tray	Tray	Tray
Included Connector Cable	IDE Ribbon	SCSI and IDE Ribbon	N/A	IEEE 1394 6-pin	USB 2.0
Blank CD-R Disc Included	Yes	Yes	Yes	Yes	Yes
Installation Hardware	Yes	Yes	N/A	N/A	N/A
Illustrated Manual	Yes	Yes	Yes	Yes	Yes
Supported Formats	CD-DA, CD-ROM, CD-ROM XA (both photo CD and Video CD), CD-I, CD-Digital, CD-Bridge, Audio CD, CD-Extra, Video CD				
Recording Modes	Disc-at-Once, Session-at-Once, Track-at-Once, Packet Writing (Variable and Fixed), Multisession				
Operating System	Windows	Windows, Mac	Windows, Mac	Windows, Mac	Windows, Mac
Drive Dimensions (WxHxD)	5.8"x1.6"x8"	5.8"x1.6"x8"	6.5"x2.25"x10.5"	6.5"x2.25"x10.5"	6.5"x2.25"x10.5"
Box Dimensions (HxWxD)	10.5"x11.75"x4.75"	10.5"x11.75"x4.75"	14"x11.4"x5"	14"x11.4"x5"	14"x11.4"x5"
Box Weight	3.6 lbs.	4.0 lbs.	7.75 lbs.	7.75 lbs.	7.75 lbs.
UPC Code	0-27108-10262-7	0-27108-10263-4	0-27108-10264-1	0-27108-10265-8	0-27108-10266-5

* Also available in "EDK" Distribution and Industrial Models. Ask a Sales Representative for details.