
M U L T I M E D I A S P E A K E R S • H E A D P H O N E S




C D - R W R E C O R D E R S • C D - R / R W M E D I A

P O W E R E D

PC Theater Systems

YAMAHA is Where PC Theatre Lives

 **DOLBY** Digital provides **DIGITAL** six channels of crystal clear digital surround sound. Front left, center and right channels provide precise, clear positioning of dialogue. Separate left and right surround channels on the side and in the rear immerse you in a film's atmosphere and ambient sounds. And the subwoofer/bass effects channel contributes extra punch to action and special effects.

 **DIGITAL** DTS Digital Surround has become the digital sound format preferred by audiences, film makers and exhibitors worldwide. DTS is the only 5.1 surround sound format that can deliver a revolutionary 3D experience through new music recordings on compact discs, original 5.1 soundtracks on motion picture laserdiscs and a wide variety of titles on DVD. The DTS system built into the Yamaha TSS-1 brings an exact copy of the studio master recordings to your PC.

 **Active Servo Technology** Yamaha's exclusive YST (Active Servo Technology) generates incredible bass from small speaker enclosures; it's the ideal method of combining amplifiers and speakers for maximum performance. The YST system adjusts the negative impedance generation as the speaker moves, creating a hard, rigid cone that prevents deep resonant waves from leaking out. This means that the full bass wave power is forced out through the air port, resulting in clear, powerful bass.

A typical 5.1 system with center channel, front R and L speakers, rear R and L surround speakers, subwoofer and amplifier/controller.

Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. ©1992-1997 Dolby Laboratories. All rights reserved.



Turn Your PC or Macintosh® Into a Personal Home Theater System
Hear your favorite movies and music as they were meant to be heard – in three dimensional space.



Get Premium Surround Sound From Your Computer or Game System
With the 4.1 channel surround mode, your computer games take on a new, larger-than-life dimension.



Turn Any TV and DVD Player Into a Home Theater System
Replace the built-in speakers and fully enjoy the sound your DVD and TV are capable of delivering.



Convert Your Portable Music Player Into a High-End Stereo System
You can get 3D sound from a portable player.



Make Dynamic Presentations
Bring your presentations to life with impressive multimedia surround sound effects.

TSS-1 Turn Your Computer, TV or DVD Into a Home Theater with this Surround Sound System



- ▶ Built-in Dolby Digital®, DTS® and Dolby Pro-Logic® decoding for premier theater-style surround sound
- ▶ Distinct Speaker Modes for any application:
 - 5.1-Channel System for DVD movies, games and music
 - 4.1-Channel Surround Sound for PC and Console Games
 - Virtual Surround Stereo for music and multimedia CDs
- ▶ Yamaha's exclusive Active Servo Technology for deep bass
- ▶ Powerful dedicated amplifier and theater-sound processor with master volume and independent level controls
- ▶ Magnetic shielding so you can place the speakers anywhere
- ▶ Adjustable angle base for all five powered satellite speakers to allow for optimum listening position
- ▶ Elegant, compact design that can be placed anywhere

P O W E R E D

Multimedia Speakers



Get Premium Sound From Your Computer

Computer games and music will sound incredible!



Turn Your Portable Music Player Into a High-End Stereo System

Now your portable system can deliver great sound.



Bring Out the Sonic Force of Your Game System

There's a lot more to games than just graphics!



Upgrade Your Mini Stereo

Replace those tiny speakers to fully enjoy your music.



Make Multimedia Presentations

Add booming sound to improve the effectiveness of your presentations.

YST-MS50 A Thundering, Powerful 3-Piece Speaker System With Premium Features

80 WATTS
OF
MEGA
POWER

- ▶ 80 Watts of roaring power
- ▶ Yamaha's Exclusive Advanced Active Servo Technology for deep, powerful bass
- ▶ 2-Way satellite speakers for brilliant highs and accurate mids
- ▶ Full magnetic shielding to eliminate monitor distortion
- ▶ Headphone jack on the satellite speaker for easy access
- ▶ Available in **USB** version as YST-MS55D

Yamaha is the Worldwide Authority on Creating and Reproducing Sound

- ▶ "The TSS-1 has onboard Dolby Digital and DTS decoding, a combination I've never seen on a budget multimedia product before or since. When the system is turned up, the front-firing subwoofer really shines, adding a pleasing rumble to the more-demanding action." *Home Theater*, August 2001
- ▶ "The Yamaha TSS-1 home theater speakers have great audio quality for a budget system." *Maximum PC*, July 2001
- ▶ "Yamaha's long history as a musical instrument maker might account for the sonic verisimilitude of this splendid sub/sat system." *PC Upgrade*, July 2001
- ▶ "Yamaha's TSS-1 Theater Surround System can give you sonic depth even if you don't have deep pockets." *Sound & Vision*, May 2001
- ▶ "The Yamaha satellite and subwoofer system sounds incredible..." *Electronic Gaming Monthly*, February 2000

Macworld **Equip**

Windows **WINDOWS**
SOURCES MAGAZINE

Smart Computing

GAMING
EDITORS'
CHOICE

PC
MAGAZINE

EDITOR'S
CHOICE
PRODUCT

YST-MS35D Superior USB Sound in a Stylish, Performance-Tuned Design

- ▶ Modern, ergonomic design with adjustable satellite speakers and a compact subwoofer
- ▶ Yamaha Advanced Active Servo Technology for deep, powerful bass
- ▶ 2" Satellite speakers for brilliant highs
- ▶ Full magnetic shielding to eliminate monitor distortion
- ▶ Volume control and power switch placed conveniently on the right satellite speaker
- ▶ 30 Watts of total power
- ▶ **USB** connection for superior sound and easy installation



YST-MS201 Oval-Cone Satellites and a Traditional Wood Subwoofer Combine for Premium Sound



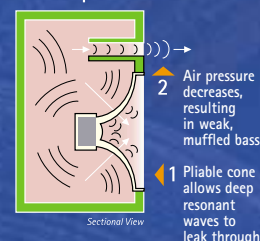
- ▶ A wood subwoofer and Yamaha Advanced Active Servo Technology for robust, powerful bass
- ▶ 30 Watts of total output power (6W x 2 satellites + 18W subwoofer)
- ▶ Full magnetic shielding to eliminate monitor distortion
- ▶ Slant-baffle satellite speakers engineered for optimum listening position
- ▶ Large, convenient volume knob
- ▶ 3.8" x 1.75" Oval cone diaphragm for brilliant sound
- ▶ New elegant and compact design

The Secret Weapon: Yamaha Active Servo Technology

Yamaha's exclusive Advanced Active Servo and Active Servo Technologies generate incredible bass from small speaker enclosures. They are the ideal method of combining amplifiers and speakers for maximum performance. These systems intelligently adjust the negative impedance generation as the speaker moves, creating a hard, rigid cone that prevents deep resonant waves from leaking out of the cone. This means the full power of the wave is forced out through the air port, resulting in clear, powerful bass.

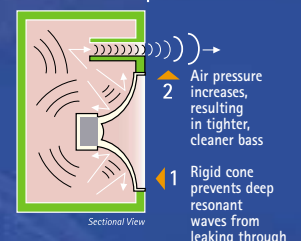


Standard Bass Reflex Speaker



Results: ■ Weak, Muddy Bass
■ Noticable Distortion

YAMAHA Advanced YST Speaker



Results: ■ Clear, Powerful Bass
■ Minimal Distortion

YST-M40 A Refined, High-Output System

- ▶ 3D Surround Sound effects with Yamaha YMERSION technology
- ▶ Pure spruce cone diaphragm for brilliant highs
- ▶ Tight, powerful bass from Yamaha's exclusive Advanced Active Servo Technology
- ▶ 24 Watts of total power
- ▶ Bass, treble tone and an extra-large volume control
- ▶ Magnetic shielding to eliminate monitor distortion
- ▶ Headphone jack for private listening
- ▶ Subwoofer jack for even more low end



YST-M101 Yamaha Quality Has Never Been This Affordable!

- ▶ Headphone jack
- ▶ 6 Watt power amplifier – 20% more than competitive models
- ▶ Yamaha Active Servo Technology for deep, powerful bass to 80Hz
- ▶ 2.5" Oval cone satellite speakers for sparkling highs to 20kHz
- ▶ Full magnetic shielding to eliminate monitor distortion
- ▶ Slim slant-baffle design engineered for optimum listening position
- ▶ Large volume knob for easy access

Yamaha Powered Multimedia Speakers Specifications

	Output Power*	Response	Cone Size	Interface	Box Dimensions (w x h x d)	Box Wt.	Units/Pack	UPC Code
YST-MS50	80W Total	32kHz - 20kHz	3"/6.5" (sat/sub)	1/8" Stereo mini	21 x 14.8 x 10.6"	22.0 lbs	2	0-86792-27561-1 (white) 0-86792-27565-9 (black)
YST-MS55D	80W Total	32kHz - 20kHz	3"/6.5" (sat/sub)	1/8" Stereo mini, USB	21 x 14.8 x 10.6"	23.2 lbs	2	0-86792-27562-8 (white) 0-86792-27566-6 (black)
YST-MS35D	30W Total	45Hz - 20kHz	2"/5" (sat/sub)	1/8" Stereo mini, USB	17.7 x 10.2 x 9.3"	7.8 lbs	4	0-86792-27564-2 (white) 0-86792-27568-0 (black)
YST-MS201	30W Total	45Hz - 20kHz	3.8"/1.75" (sat/sub)	1/8" Stereo mini	9.6 x 18.5 x 10.3"	12.3 lbs	4	0-86792-27698-4 (white) 0-86792-27700-4 (black)
YST-M40	24W Total	70Hz - 20kHz	3.5"	1/8" Stereo mini	9.9 x 13.1 x 8.5"	7.3 lbs	4	0-86792-27641-0 (white) 0-86792-27642-7 (black)
YST-M101	6W Total	80Hz - 20kHz	2.5"	1/8" Stereo mini	7.8 x 12.7 x 6.4"	4.5 lbs	4	0-86792-27697-7 (white) 0-86792-27699-1 (black)
TSS-1	48W Total	40Hz - 20kHz	2"/5" (sat/sub)	2 Digital 2 Analog	16" x 16" x 15"	20.9 lbs	2	0-27108-91159-5 (white) 0-27108-91158-8 (black)

*RMS Power Rating

The Best In Personal Audio

Yamaha Headphones Carry on The Long Tradition of Musical Excellence

For over 100 years, Yamaha has been perfecting the art and science of music. Today, Yamaha creates more musical instruments and audio products than any other company. Consumers and professionals around the world have come to associate the Yamaha name with the best in audio quality. That quality can be found in this premier series of music headphones. Whether you're into casual listening or recording, Yamaha headphones deliver the best sound and comfort.

RH1

The active one!
Light weight, cool and comfortable for enjoyable listening in just about any environment.

RH2b

Ideal for the casual listener who wants to shut out the world. Get great bass from mini-component systems and portable music players.

RH3

The best choice for critical listeners who are completely serious about the quality of their audio components.

RH5Ma

The undisputed choice for music professionals. Like Yamaha NS10m speakers, this is the choice for studio monitoring.



Music Headphones Specifications

	RH1	RH2b	RH3	RH5Ma
Response	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz	20Hz - 20kHz
Cord Length	8 ft.	8 ft.	8 ft.	8 ft.
Style	Open	Closed	Closed	Semi-closed
Jacks Included	1/4 and 1/8	1/4 and 1/8	1/4 and 1/8	1/4 and 1/8
Weight	4.2 oz.	6.3 oz.	8.8 oz.	5.8 oz.
Dimensions	7.1 x 9.7 x 2.5"	7.25 x 10 x 4"	7.5 x 10.2 x 2.5"	7.5 x 10 x 3"
Units/Master Pack	12	12	6	10
UPC Code	0-86792-57050-1	0-86792-57771-5	0-86792-27052-5	0-86792-27356-3

Computer Headphones



CH-10



CMH-200



MH-500



Listen To Your Computer In Privacy – Or Create Sound That Booms

- ▶ **Voice Recognition:**
Talk to your PC using any voice recognition software and the MH-500's or the CMH-200's noise-cancelling microphone.
- ▶ **Internet Telephony:**
Don't hassle with an extra phone or speakerphone. Use the MH-500 or CMH-200 to talk and listen over the Internet.
- ▶ **Online PC Gaming:**
Take advantage of the audio capabilities in your games. Now you can communicate with your wingman or curse at an alien predator.
- ▶ **Hands-Free Telephony:**
The MH-500 and CMH-200 are perfect for home or office. Route your calls through your PC and use the headphones for clear, hands free, comfortable communication.
- ▶ **Voice Recording or Adding Sound Effects:**
Use the built-in mic on the MH-500 and CMH-200 to record sound and/or voice on your PC.
- ▶ **Listen to Music:**
Plug the headphones into your home stereo system or YST speakers, kick back, relax and enjoy hi-fi audio in privacy. These headphones are great for music and TV, or DVD movies on your PC.

Computer Headphones Specifications

	CH-10	CMH-200	MH-500
Response	60Hz - 20kHz	60Hz - 20kHz	30Hz - 20kHz
Cord Length	4.5 ft.	8 ft.	8 ft.
Distortion	n/a	Less than 1.0%	Less than 1.5%
Mic Type	No mic	Noise-Cancelling Condenser Boom	Noise-Cancelling Condenser Boom
Mic Operating Range	n/a	100Hz - 16kHz	60Hz - 16kHz
Units/Master Pack			
UPC Code	0-86792-27603-8	0-86792-27696-0	0-86792-27605-2

CD-RW Recorders

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.



Features

- ▶ **20X WRITE SPEED:** Record a 74-minute CD in less than 4 minutes* (fast enough to meet the tightest deadlines)!
- ▶ **10X REWRITE SPEED:** Record, erase and record again at incredible 10X speed, up to 999 times!
- ▶ **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, Yamaha saves you time, wasted media and aggravation.
- ▶ **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 and videos for instant access/playback anytime, anywhere.



Store data and graphics files with floppy disk ease onto removable media to free up limited and expensive hard disk space.



Backup and archive information for instant access on the most reliable media.



Distribute files worldwide and be confident that anyone can read them.



Equipped with
SafeBurn™
 Buffer Underrun Protection

Rave Reviews

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



- ▶ "The Yamaha drive burns CD-Rs faster than anything we've ever seen ... Ultimately, we decided that the Yamaha drive was the one for us because of its superior CD-R recording speed." - **Smart Computing, Smart Choice Award, April 2001**
- ▶ "Yamaha has outdone themselves with this drive, not only making it amazingly fast in CD-RW performance, but also quiet, reliable, and amazingly, not too bad in terms of price." - **Game PC, June 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™ 5.5** 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.

	CRW2200EZ*	CRW2200SZ	CRW2200SXZ	CRW2200FXZ	CRW2200UXZ	CRW2100EZ*	CRW2100FXZ
Interface	E-IDE (ATAPI)	Dual (SCSI-3 and E-IDE)	SCSI-3	IEEE-1394 (Firewire)	USB 2.0	E-IDE (ATAPI)	IEEE-1394 (Firewire)
Format	Internal	Internal	External	External	External	Internal	External
Write Speed	20X	20X	20X	20X	20X	16X	16X
Re-Write Speed	10X	10X	10X	10X	10X	10X	10X
Read Speed	40X	40X	40X	40X	40X	40X	40X
Access Speed (Average)	150ms	150ms	150ms	150ms	150ms	160ms	160ms
Max.Data Transfer (Read)	6000KB/sec	6000KB/sec	6000KB/sec	6000KB/sec	6000KB/sec	6000KB/sec	6000KB/sec
Buffer Size	8MB	8MB	8MB	8MB	8MB	8MB	8MB
Safe Burn™ Buffer Protection	Yes	Yes	Yes	Yes	Yes	No	No
Data Capacity	700MB (80 min. disc), 650 MB (74 min. disc), 550MB (63 min. disc)						
Loading Mechanism	Tray	Tray	Tray	Tray	Tray	Tray	Tray
Included Connector Cable	IDE Ribbon	SCSI and IDE Ribbon	N/A	IEEE 1394 6-pin	USB 2.0	IDE Ribbon	IEEE 1394 6-pin
Blank CD-R Disc Included	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Installation Hardware	Yes	Yes	N/A	N/A	N/A	Yes	N/A
Illustrated Manual	Yes	Yes	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	Windows	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"	5.8"x1.6"x8"	7.4"x2.5"x8.2"
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"	10.5"x11.75"x4.75"	16.25"x5.9"x11.5"
Box Weight	3.6 lbs.	4.0 lbs.	7.75 lbs.	7.75 lbs.	7.75 lbs.	3.6 lbs.	7.75 lbs.
UPC Code	0-27108-10232-0	0-27108-10233-7	0-27108-10235-1	0-27108-10234-4	0-27108-10236-8	086792-27713-4	086792-27716-5

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

E N G I N E E R E D F O R S P E E D

CERTIFIED HIGH-SPEED

CD-R and CD-RW Recording Media



Yamaha *Professional Grade* CDs

The most accurate and reliable recording media

YAMAHA CD-R DISCS

- ▶ **AVAILABLE IN 10, 20, AND 50 PACKS** - 700MB (80 min.) discs ship in 10mm or 5mm individually jewel-cased and shrink-wrapped 10-packs, 20-packs, or 50-Pack spindle cakeboxes.
- ▶ **HIGH-SPEED RECORDING** - Certified for up to 24X speed and compatible with 1X through 24X recording.
- ▶ **100% COMPATIBILITY** - All discs work in Yamaha and other CD-RW drives.
- ▶ **LOW BLOCK ERROR RATE** - Twice as reliable as the industry average with a low Block Error Rate.
- ▶ **100+ YEAR DATA LIFE** - You should live so long.
- ▶ **EXTRA DATA PROTECTION** - A coating guards the reflective layer against accidental scratching (it resists forces 50% better than industry average) and UV light degradation.
- ▶ **SCRATCH RESISTANT DISC SURFACE** - Discs are treated to allow thermal and inkjet printing.

YAMAHA CD-RW DISCS

- ▶ **SOLD IN 3-PACKS** - The most affordable multi-pack.
- ▶ **JEWEL-CASED AND SHRINK-WRAPPED** - Each disc comes with its own protective case.
- ▶ **HIGH-SPEED REWRITING** - Certified for up to 10X.
- ▶ **100% COMPATIBILITY** - All discs work in Yamaha and other CD-RW drives.
- ▶ **LOWEST JITTER RATING** - At 22ns, the rating is far below the industry standard (35ns) for better reliability.
- ▶ **VERY LOW BLER (BLOCK ERROR RATE)** - A rating of 7 after 2000 hours, versus the industry average of 15, means your data is more secure on Yamaha.
- ▶ **30+ YEARS LIFE** - Over three decades of data!
- ▶ **EXTRA PROTECTION LAYERS** - A coating guards the reflective layer against accidental scratching.
- ▶ **SCRATCH RESISTANT DISC SURFACE** - Discs are treated to allow thermal and inkjet printing.

Which CD Recording Format Fits Your Needs?

Application	Most Suitable Media	
	CD-RW	CD-R
Archival Storage		✓
Hard Disk Backup	✓	
Floppy Disk Replacement	✓	
Supplement to hard drive	✓	
Audio CD Recording		✓
MP3 Music Downloading	✓	✓
Compiling Songs on a CD		✓
Write and Record Music	✓	✓
Multimedia Presentations	✓	✓
Distribution of Large Files		✓
Photo Albums	✓	✓
Photo Storage		✓
Software Backup		✓
Software Development	✓	
Software Authoring	✓	
Record Keeping		✓



How CD-R/RW Drives Save Your Music & Data

CD-R and CD-RW recorders write to CD-R discs by burning tiny pits into a green, gold or blue dye layer. The disc is read by a head which simply looks for the presence or absence of reflected laser light. To rewrite on CD-RW media, drives alter the alignment of crystalline structures in the media. When the disc is read by a laser, these changes in the structure alter the phase of the effected light. The disc can be “wiped-clean” in an erase process that realigns the crystalline elements. Yamaha’s industry benchmark 3-in-1 CD-RW recorders automatically recognize the type of disc inserted and initiate the appropriate recording process.



Yamaha Recording Media Specifications

Part Number	Type	Capacity min/MB	Discs/ pack	Max. Speed	Size/pack (in.)	Packaging	Pack Weight	Units/ master pack	UPC Code
CDRW74M103	CD-RW	74/650	3	10X	4 1/8 x 5 5/8 x 4 7/8	Jewel cases	0.63 lbs.	10	0-86792-27678-6
CDR80M2410	CD-R	80/700	10	24X	4 1/8 x 5 3/4 x 4 7/8	Jewel case	2.2 lbs.	10	0-27108-10244-3
CDR80M2450	CD-R	80/700	50	24X	4 1/2 x 5 1/2 x 5 1/2	Spindle	2.0 lbs.	4	0-27108-10246-7
CDR80M2420S	CD-R	80/700	20	24X	4 1/8 x 5 5/8 x 4 7/8	Slim Jewel case	2.4 lbs.	10	0-27108-10247-4



THE WAY YOUR COMPUTER SHOULD SOUND.

©2001 Yamaha Corporation of America, Consumer Products Division, P.O. Box 6600, Buena Park, CA 90622-6600 www.yamaha.com
Yamaha is a registered trademark of Yamaha Corporation. All rights reserved. Specifications subject to change without notice.