

Universal Features

New for 2003, Sony Micro-Systems have **CD-R/CD-RW Playback** functionality. Using an optical assembly with a 780nm laser pitch, our Micro-Systems are able to approach new levels in accuracy in discs being read.

Recording from your CDs could not be easier. All 2003 Sony Micro-Systems employ **CD Synchro Recording** allowing for carefree recording. Simply insert the audio cassette you wish to record onto, insert a CD and press record followed by pause. It is that simple!

Finding your radio stations over and over again can get tiring. With Sony's **radio preset system**, the user has 2 ways to store their favorite music. First, a user can utilize **Automatic Tuning Preset**. This system uses automatic tuning for all stations which can then be stored manually. The second method involves manual searching. Using the **Manual Tuning Preset**, the user is able to manually tune and store the radio frequency of their favorite stations (this is particularly good with weaker radio stations signals).

Fall asleep to your favorite CD, Tape, or Radio station; wake up to your favorite music. All of this can be yours with every Sony 2002 Micro-System. The **Sleep Timer** can be set to turn off your music after 10 - 90 minutes worth of time. **Daily Timer** allows for the unit to turn on and play your favorite radio station, CD, or Tape and can be set to the exact hour and minute desired. Any time of day, your Sony Micro-System has you covered.

Features at a glance

CMT-EP303	CMT-EP505	CMT-M70	CMT-EP707	CMT-CP101	CMT-EX5	CMT-M90DVD	CMT-L11	CMT-L7HD
12W (6W x 2) Tuner w/24 Presets	28W (14W x 2) Tuner w/30 Presets	40W (20W x 2) Tuner w/30 Presets	30W (15W x 2) Tuner w/30 Presets	70W (35W x 2) Tuner w/30 Presets	30W (15W x 2) Tuner w/30 Presets	40W (20W x 2) Tuner w/30 Presets	50W (25W x 2) Tuner w/30 Presets	50W (25W x 2) Tuner w/30 Presets
4 Preset EQ	4 Preset EQ w/Mega Bass	Dynamic Sound Generator	4 Preset EQ w/Mega Bass	Dynamic Sound Generator w/Bass and Treble	Dynamic Sound Generator	Dynamic Sound Generator w/Bass and Treble	Dynamic Sound Generator	Dynamic Sound Generator
Cassette	Feather Deck A/R Cassette	Feather Deck A/R Cassette	Feather Deck A/R Cassette	Feather Deck A/R Cassette		Feather Deck A/R Cassette		
CD-R Playback	CD-R Playback	CD-R/CD-RW Playback	CD-R Playback	CD-R/CD-RW Playback	CD-R/CD-RW Playback	CD-R/CD-RW & DVD Playback	CD-R/CD-RW Playback	CD-R/CD-RW Playback
Toploading CD Player	Toploading CD Player	Tray Loading CD Player	3 CD Changer/Tray Load	Tray Loading CD Player	Tri-Wheel Loading Mechanism	Tray Loading CD/DVD Player	Tri-Wheel Loading Mechanism	Tri-Wheel Loading Mechanism
CD Synchro Record	CD Synchro Record	CD Synchro Record	CD Synchro Record	CD Synchro Record	CD Synchro Record	CD Synchro Record	2x CD Synchro Record	2x CD Synchro Record
Bas Reflex Speakers	Bas Reflex Speakers	2 Way Speakers	2 Way Speakers	2 Way Speakers	2 Way Speakers	2 Way Speakers	Slim 2 Way Speakers	Slim 2 Way Speakers
		Tray Lock	Tray Lock	Tray Lock		Tray Lock		
				Optical Output for iPod	PC Input for MP3/Internet Radio		Line I/O and Optical Out	Line I/O and Optical Out
							S-Master Digital Amp	S-Master Digital Amp
								Internal HDD (300 CD Capacity)
								USB PC Link Kit
Video	Audio	Performance	Convenience					

<http://b2b.sel.sony.com>

Micro Systems 2003



SONY

Glossary

CD-R-CD-RW Audio Playback Selected Sony CD players accommodate not only factory-pressed CD-Audio discs, but also the growing population of consumer-recorded CD-R discs!

Efficiency The ability of an amplifier to utilize current (from your wall outlet) into useful power for sound. The greater efficiency a product has, it will create less heat and create more output power from less current.

ATRAC 3 Adaptive Transform Acoustic Coding is a unique compression technology that allows for signal reproduction with minimized loss of quality. The amount of space used to store music is approximately 9x's less as a result.

MP3 A standard technology and format for compressing a sound sequence. MP3 files can be stored (and played) via a variety of storage media. Our MP3 playback is able to play files that are encoded/recorded to a CD-R/CD-RW disc.

Dynamic Sound Generator A digitally addressed control that actively enhances the presence of bass and treble frequencies for increased impact at lower listening levels.

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Micro-Systems: Higher Technology in Smaller Packages

The right combination of size, style and performance is what you'll find in Sony's new 2003 Micro-Systems. With increased power output, greater flexibility and more features than ever before, Sony Micro-Systems have raised the bar.

This year marks the introduction of some exciting new technologies that are adding excitement, improving performance and offering greater flexibility than before.

Slot Loading Mechanism

Last year, Sony introduced two DVD Dream Systems that used a new loading mechanism that loaded multiple CDs in one single slot. This mechanism called "Slot Loading" allows for greater disc storage with minimal space. Now in 2003, Slot Loading can be found in the CMT-HP7 Sony Micro System.

S-Master Digital Amplifier

The limiting factor of amplifiers has always been efficiency, heat and size. The S-Master design throws these limiting factors out the window. This design is able to transform current from your wall outlet into sound at a much faster rate than the traditional power amplifier design. With this great speed of power delivered the need for large heat sinks is eliminated, as well as large capacitors, which are the mainstays of traditional amplifier design. Overall, the S-Master design is able to achieve a size that is 1/4 the sized of conventional amplifiers, while maintaining greater than 80% efficiency.

Hard Disc Recording

Imagine an elegant wall mountable Micro-System that stores up to 300 CDs! Sound impossible? With Sony's CMT-L7HD, you can store up to 300 CDs worth of music all within a Micro-System that can be mounted to your wall. The secret is the internal 20 GB internal hard disc drive which can rip and store from your CDs at 2X speed. The hard disc uses ATRAC 3™ compression to ensure maximum storage with minimal loss in quality.

Titling 300 CDs worth of music can be extremely time consuming. It is for that reason we include M-Crew software that can title all your discs when connected to your PC.

Features, Advantages, and Benefits

Feature: CDDB (Compact Disc Data Base Management)

Advantage: Provides a means of automatically entering in CD information.

Benefit: Sony's own M-Crew software and the supplied PCLink Connection connects you to a database via the Internet that allows for text including artist name, album & track titles.

Applicable Models: CMT-L7HD

Many CDs do not have CD information included on their TOC (Table of Contents). By using the supplied USB connection and the M-Crew software, you can connect to the CDDB website and download the specific CD information that you want to view on the LED display.

The actual disc code is compared to a master list of thousands of CDs via the Internet and the exact Artist, Album Name and Track Names are downloaded. Organize your CD collection by providing separate folders for CD and MP3 files that are recorded on it's internal hard drive.

Demonstration Hint

1. Connect the PC-LINK cable from the back of the CMT-L7HD to the USB port of a laptop computer.
2. Connect the phone cord to the laptop and access online.
3. Show M-Crew software (installed from the supplied CD-ROM) onto the desktop.
4. Enable M-Crew software and press "CDDB" link to engage CDDB function.
5. The "CDDB" will read the electronic table of contents (on the Hard Disc) and title the disc.

Feature: MP3 Playback Capability

Advantage: Enables MP3 playback from files stored on CD

Benefit: Large amounts of music (up to 10 hours) are accessible on a CD

Applicable Model: CMT-HP7

MP3 is a standard technology and format for compressing a sound sequence. MP3 files can be recorded (and played) via a variety of storage media. However, when talking about Mini-System playback of MP3 occurs when a CD-R or CD-RW encoded with MP3 data is used. This MP3 encoded software can contain up to 10 hours of music.

Demonstration Hint

Feature: 5-CD Slot Loading System

Advantage: Small Size, Easy Loading

Benefit: Sony's unique slot loading mechanism allows for five discs to be smoothly loaded in the space that normally only holds one disc.

Applicable Models: CMT-HP7

The 5-CD slot loading mechanism is represented by Sony's first Micro-System with a 5-disc changer. Unique attributes of the design are small size and speed. The 5-CD loading system uses a single loading assembly with 5 different disc slots inside, allowing for simplicity and small size.

Demonstration Hint

1. Press Disc 1-5 to open tray.
2. Load CD, label side up into tray.
3. Press to close tray.

Feature: CD Synchro Recording

Advantage: Synchronous recording from CD to Tape.

Benefit: One button recording, allows for a perfect sync between the CD player and tape recorder.

Applicable Model: CMT-EP313, CMT-GP5, CMT-EP707, CMT-HP7, CMT-EX5

The CD Synchro function allows for a perfect recording to be made from a CD every time. A user simply has to press one button to synchronize both the playback of the CD to the recording of the cassette in the tape deck.

Demonstration Hint

1. Load a blank tape.
2. Press CD (CD/REMAIN on the remote).
3. Load the CD you want to record.
4. Press RECORD or ●.

Feature: S-Master Digital Amplifier

Advantage: High Efficiency and Small Size.

Benefit: Unique amplifier allows for high power in a very small package. High performance with smaller form factor.

Applicable Model: CMT-CPX1 and CMT-L7HD

The Sony proprietary S-Master amplifier is able to utilize power from wall outlet into useable power for your speakers at a much more effective rate than conventional amplifier designs. In fact, the S-Master design is capable of over 80% efficiency versus conventional designs that are only 20% efficient (efficiency means amount of power that is utilized to produce sound). This allows a size sav-

ings (1/4 size conventional designs) and less heat generation.

Demonstration Hint

1. Point out slim Chassis design.
2. High power with Wall Mounting Capability.
3. Conventional design would be larger (due to heat sinks and larger power supplies).