

Micro HI-FI Component System

Operating Instructions

GB

Owner's Record

The model and serial numbers are located on the rear of the unit. Record these numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____ Serial No. _____

CMT-HPR90

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http://www.sony.net/



Printed on 100% recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

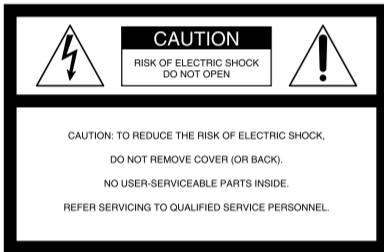


This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

The use of optical instruments with this product will increase eye hazard.

Notice for the customers in the U.S.A.



WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

U.S.A., Canadian and Australian models only



ENERGY STAR® is a U.S. registered mark. As an ENERGY STAR® partner, Sony Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Note on DualDiscs

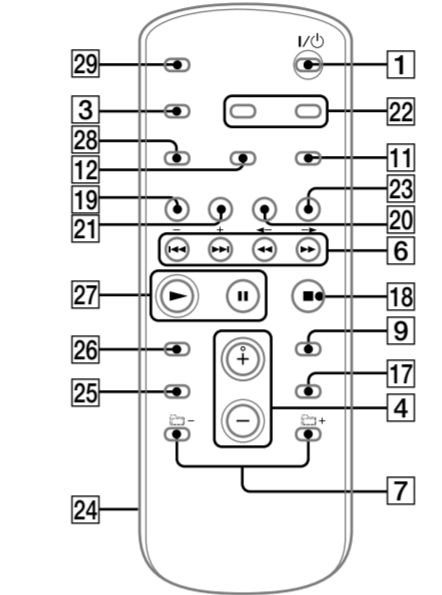
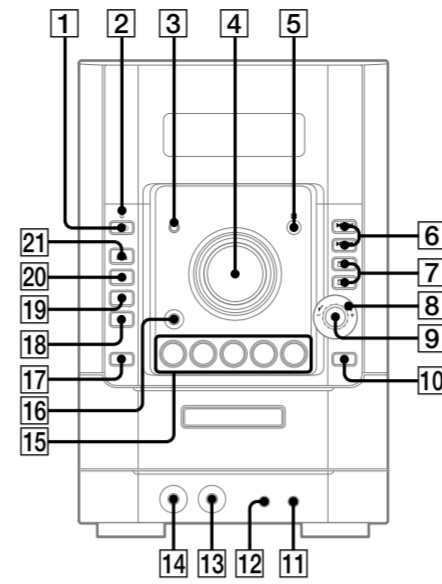
A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

- ATRAC, ATRAC3, ATRAC3plus and their logos are trademarks of Sony Corporation.
- SonicStage and SonicStage logo are trademarks or registered trademarks of Sony Corporation.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

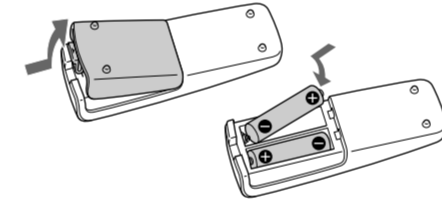
Basic Operations



Before using the system

To use the remote

Slide and remove the battery compartment lid 24, and insert the two supplied R6 (size AA) batteries, ⚡ side first, matching the polarities shown below.



Notes on using the remote

- With normal use, the batteries should last for about six months.
- Do not mix an old battery with a new one or mix different types of batteries.
- If you do not use the remote for a long period of time, remove the batteries to avoid damage from battery leakage and corrosion.

To set the clock

- 1 Turn on the system.
Press I/⏻ (power) 1.
- 2 Select the clock set mode.
Press CLOCK/TIMER SET 22 on the remote. If the current mode appears on the display, press ◀▶ (select) 6 on the remote repeatedly to select "CLOCK SET" and then press ENTER 9 on the remote.

- 3 Set the time.
Press ◀▶ (select) 6 on the remote repeatedly to set the hour, and then press ENTER 9 on the remote. Use the same procedure to set the minute.
When you turn off the system after setting the clock, the clock display appears instead of the demonstration display.
The clock settings are lost when you disconnect the power cord or if a power failure occurs.

Selecting a music source

Press the following buttons (or press FUNCTION 23 repeatedly).

To select	Press
CD	CD 21 on the remote.
Tuner	TUNER/BAND 20.
Component (connected using an audio cord)	AUDIO IN 19.

Adjusting the sound

To adjust the volume

Press VOLUME +/- on the remote (or turn the VOLUME control on the unit) 4.

To add a sound effect

Generate a more dynamic sound (Dynamic Sound Generator X-tra)

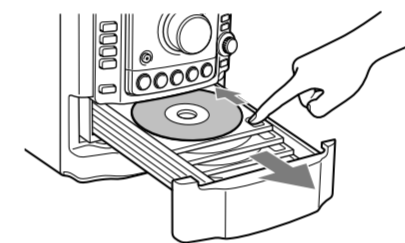
To	Press
Set the sound effect	EQ 25 on the remote repeatedly to select "BASS" or "TREBLE," and then press +/- 6 on the remote repeatedly to adjust the level.

Playing a CD/ATRAC/MP3 disc

- 1 Select the CD function.
Press CD 21 on the remote.
- 2 Place a disc.
Press ▲ (CD open/close) 10 on the unit, and place a disc with the label side up on the disc tray.



To insert additional discs, slide the disc tray with your finger as shown below.



To close the disc tray, press ▲ (CD open/close) 10 on the unit again.
Do not force the disc tray closed with your finger, as this may damage the unit.

3 Start playback.

Press ▶ (play) 27 on the remote (or CD/▶ (play/pause) 21 on the unit).

To	Press
Pause playback	⏸ (pause) 27 on the remote (or CD/▶ (play/pause) 21 on the unit). To resume play, press the button again.
Stop playback	■ (stop) 18.
Select a folder on an "ATRAC" disc or MP3 disc	◀ +/- (select folder) 7. Or turn the jog dial 8 on the unit and press PUSH ENTER 9 on the unit during playback until "GROUP" appears, and then press PUSH ENTER 9 on the unit to select the desired folder).
Select a track or file	◀▶ (go back/go forward) 6. Or turn the jog dial 8 on the unit and press PUSH ENTER 9 on the unit. To cancel, press CANCEL 18 on the unit.
Find a point in a track or file	Hold down ◀▶ (rewind/fast forward) 6 during playback, and release the button at the desired point.
Select Repeat Play	REPEAT 11 repeatedly until "REP" or "REP1" appears.
Select a disc	DISC SKIP 17 on the remote (or DISC 1 - 5 15 or DISC SKIP 17 (in stop mode) on the unit).
Switch to CD function from another source	DISC 1 - 5 15 on the unit (Automatic Source Selection).
Exchange other playing	EX-CHANGE 17 on the unit.

To change the play mode

Press PLAY MODE 12 repeatedly while the player is stopped. You can select normal play ("ALL DISCS" for all discs, "1DISC" for a disc, or "3" for all "ATRAC" files and MP3 files in the folder on the disc), shuffle play ("ALL DISCS SHUF," "1DISC SHUF" or "3 SHUF*"), or program play ("PGM").

*When playing a CD-DA disc, (SHUF) Play performs the same operation as 1DISC (SHUF) Play.

To create an "ATRAC"/MP3 disc

You can create an "ATRAC" disc and MP3 disc with the SonicStage software. SonicStage can be downloaded free of charge from the following sites and installed on your computer.

For customers in the U.S.A.:

<http://www.sony.com/shelfsupport>

For customers in Canada:

<http://www.sony.ca/ElectronicsSupport/>

Please see the instructions at the sites or SonicStage Help of the software for how to install and how to create an "ATRAC"/MP3 disc.

Note on the jog dial

Only the first 6 characters are displayed when performing the folder search, track search, or file search.

Notes on Repeat Play

- All tracks or files on a disc are played repeatedly up to five times.
- You cannot select "REP" and "ALL DISCS SHUF" at the same time.
- "REP 1" indicates that a single track or file is repeated until you stop it.

Notes on playing MP3 discs

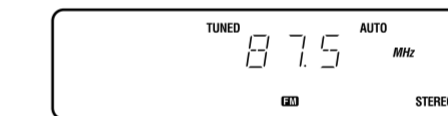
- Do not save other types of files or unnecessary folders on a disc that has "ATRAC" and MP3 files.
- Folders that have no "ATRAC" and MP3 files are skipped.
- "ATRAC" and MP3 files are played back in the order that they are recorded onto the disc.
- The system can only play MP3 files that have a file extension of ".MP3".
- If there are files on the disc that have the ".MP3" file extension, but that are not MP3 files, the unit may produce noise or may malfunction.
- The maximum number of:
 - "ATRAC" folders is 255.
 - "ATRAC" files is 999.
 - MP3 folders is 255 (including the root folder).
 - MP3 files is 511.
 - MP3 files and folders that can be contained on a single disc is 1512.
 - folder levels (the tree structure of files) is 8.
- Compatibility with all MP3 encoding/writing software, recording device, and recording media cannot be guaranteed. Incompatible MP3 discs may produce noise or interrupted audio or may not play at all.
- If "ATRAC" files and MP3 files are recorded on the same disc, this system plays the "ATRAC" files first.

Notes on playing multisession discs

- If the disc begins with a CD-DA (or "ATRAC"/MP3) session, it is recognized as a CD-DA (or "ATRAC"/MP3) disc, and other sessions are not played back.
- A disc with a mixed CD format is recognized as a CD-DA (audio) disc.

Listening to the radio

- 1 Select "FM" or "AM."
Press TUNER/BAND 20 repeatedly.
- 2 Select the tuning mode.
Press TUNING MODE 12 repeatedly until "AUTO" appears.
- 3 Tune in the desired station.
Press +/- on the remote (or TUNING +/- on the unit) 6. Scanning stops automatically when a station is tuned in, and then "TUNED" and "STEREO" (for stereo programs) appear.



To stop automatic scanning

Press ■ (stop) 18.

To tune in a station with a weak signal

If "TUNED" does not appear and the scanning does not stop, press TUNING MODE 12 repeatedly until "AUTO" and "PRESET" disappear, and then press +/- on the remote (or TUNING +/- on the unit) 6 repeatedly to tune in the desired station.

To reduce static noise on a weak FM stereo station

Press FM MODE 11 repeatedly until "MONO" appears to turn off stereo reception.

Changing the display

To change	Press
Information on the display*	DISPLAY 3 repeatedly when the system is on.
Display mode (See below.)	DISPLAY 3 repeatedly when the system is off.

*For example, you can view CD/ATRAC/MP3 disc information, such as the track or file number or folder name during normal play, or the total play time while the player is stopped.

The system offers the following display modes.

Display mode	When the system is off, ¹⁾
Demonstration	The clock display is replaced by lighting and flashing of the display window.
Clock	The clock is displayed.
Power Saving Mode ²⁾	The display is turned off to conserve power. The timer and clock continue to operate.

¹⁾ The STANDBY indicator lights up when the system is off.

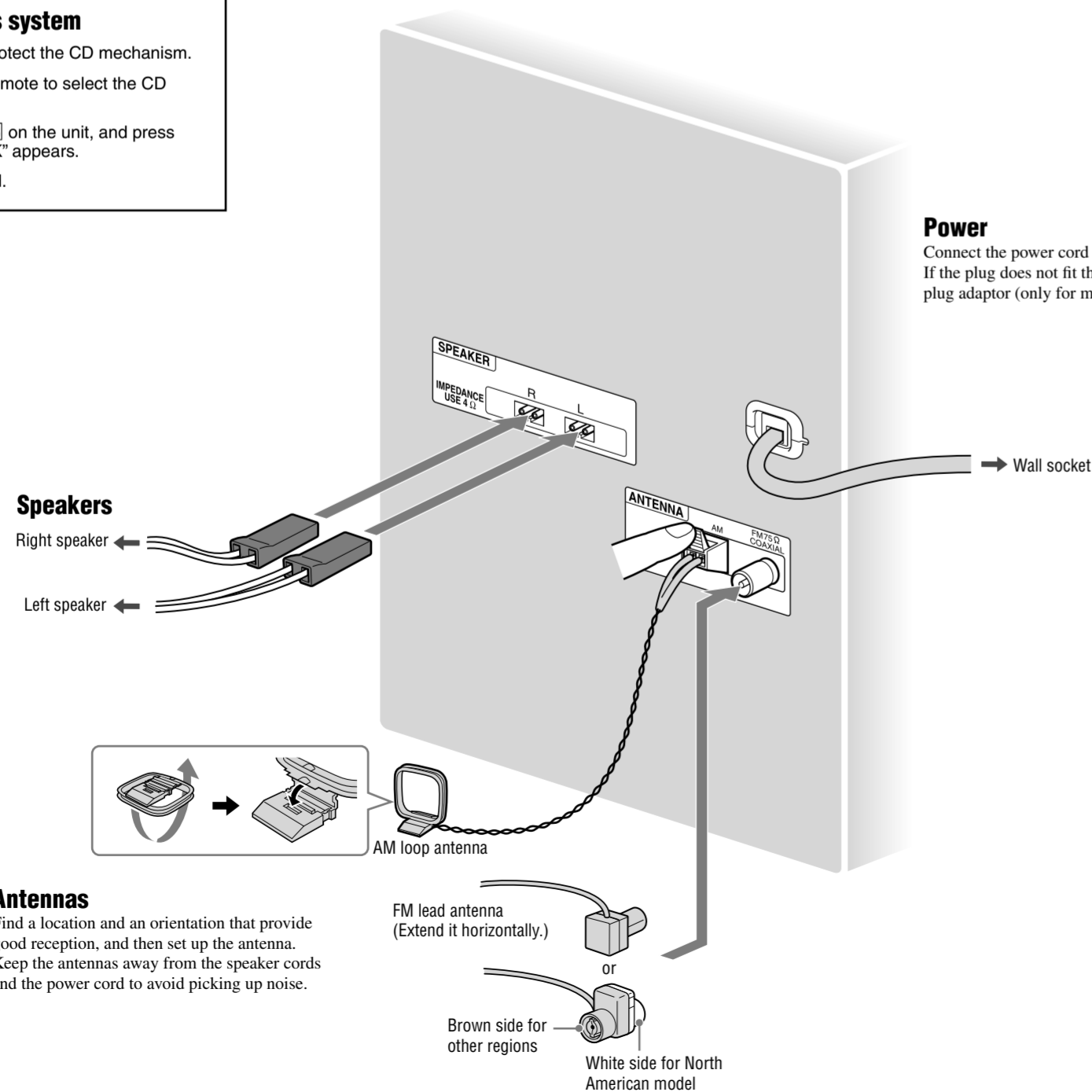
²⁾ When the system is in Power Saving Mode, the following functions are unavailable:

- setting the clock
- changing the AM tuning interval
- changing the CD power manage function

Hooking up the system securely

When carrying this system

- 1 Remove all discs to protect the CD mechanism.
- 2 Press CD 21 on the remote to select the CD function.
- 3 Hold down ■ (stop) 18 on the unit, and press DISC 1 15 until "LOCK" appears.
- 4 Unplug the power cord.



Antennas

Find a location and an orientation that provide good reception, and then set up the antenna. Keep the antennas away from the speaker cords and the power cord to avoid picking up noise.

FM lead antenna (Extend it horizontally.)

or

Brown side for other regions

White side for North American model

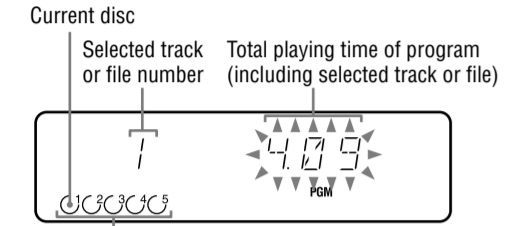
Other Operations

Creating your own CD program (Program Play)

Use buttons on the remote to create your own program.

- Press CD ⎓ to select the CD function.
- Press PLAY MODE ↻ repeatedly until “PGM” appears while the player is stopped.
- Press DISC SKIP ⏪ to select a disc.
- Press ⏪/▶▶▶ ⏭ repeatedly or turn the jog dial Ⓢ on the unit until the desired track number appears.

When programming “ATRAC” files or MP3 files, press ⏪ +/- (select folder) Ⓢ repeatedly or turn the jog dial Ⓢ on the unit to select the desired folder, and then select the desired file.



- Press ENTER ⏵ to add the track or file to the program. “— :— :—” appears when the total time exceeds 100 minutes for a CD, or when you select a CD track whose number is 21 or over, or when you select an “ATRAC” file or MP3 file.
- Repeat steps 4 through 5 to program additional tracks or files, up to a total of 25 tracks or files.
- To play your program of tracks or files, press ▶ (play) ⏵.

The program remains available until you open the disc tray. To play the same program again, select the CD function, and press ▶ (play) ⏵.

To cancel Program Play
Press PLAY MODE ↻ repeatedly until “PGM” disappears while the player is stopped.

To delete the last track or file of the program
Press CLEAR ⏵ while the player is stopped.

To view program information, such as total track number of the program
Press DISPLAY Ⓢ repeatedly.

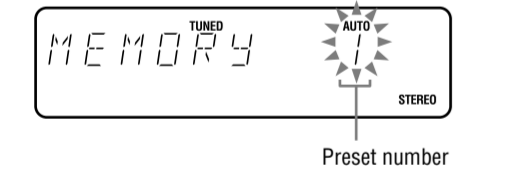
Tip
You can program additional tracks or files during playback by using the jog dial.

Presetting radio stations

You can preset your favorite radio stations and tune them in instantly by selecting the corresponding preset number.

Use buttons on the remote to preset stations.

- Tune in the desired station (see “Listening to the radio”).
- Press TUNER MEMORY Ⓢ.



- Press +/- ⏭ repeatedly to select your desired preset number. If another station is already assigned to the selected preset number, the station is replaced by the new stations.
- Press ENTER ⏵.
- Repeat steps 1 through 4 to store other stations. You can preset up to 20 FM and 10 AM stations. The preset stations are retained for about half a day even if you disconnect the power cord or if a power failure occurs.
- To call up a preset radio station, press TUNING MODE ↻ repeatedly until “PRESET” appears, and then press +/- ⏭ repeatedly to select the desired preset number.

Using the Timers

The system offers two timer functions. If you use Play Timer with the Sleep Timer, the Sleep Timer has priority.

Sleep Timer:
You can fall asleep to music. This function works even if the clock is not set.

Press SLEEP Ⓢ on the remote repeatedly. If you select “AUTO,” the system automatically turns off after the current disc stops or in 100 minutes.

Play Timer:
You can wake up to CD or tuner at a preset time.

Use buttons on the remote to control the Play Timer. Make sure you have set the clock.

- Prepare the sound source. Prepare the sound source, and then press VOLUME +/- ⏶ to adjust the volume. To start from a specific CD track, “ATRAC” file or MP3 file, create your own CD program.
- Press CLOCK/TIMER SET Ⓢ.
- Press ⏪/▶▶▶ ⏭ repeatedly to select “PLAY SET” then press ENTER ⏵. “ON” appears, and the hour indication flashes.
- Set the time to start playing. Press ⏪/▶▶▶ ⏭ repeatedly to set the hour, and then press ENTER ⏵. The minute indication flashes. Use the procedure above to set the minute.
- Use the same procedure as in step 4 to set the time to stop playing.
- Select the sound source. Press ⏪/▶▶▶ ⏭ repeatedly until the desired sound source appears, and then press ENTER ⏵. The display shows the timer settings.
- Press I/⏻ (power) ⏺ to turn off the system. The system turns on 15 seconds before the preset time. If the system is on at the preset time, the Play Timer will not play.

To activate or check the timer again
Press CLOCK/TIMER SELECT Ⓢ, press ⏪/▶▶▶ ⏭ repeatedly until “PLAY SEL” appears, and then press ENTER ⏵.

To cancel the timer
Repeat the same procedure as above until “TIMER OFF” appears, and then press ENTER ⏵.

To change the setting
Start over from step 1.

Tip
The Play Timer setting remains as long as the setting is not canceled manually.

Troubleshooting

- Make sure the power cord and speaker cords are correctly and firmly connected.
- Find your problem in the checklist below, and take the indicated corrective action.
 - If the issue persists, contact your nearest Sony dealer.

<div>If the STANDBY indicator flashes<div>Immediately unplug the power cord, and check the following item.</div><ul style="list-style-type: none">If your system has a voltage selector, is the voltage selector set to the correct voltage?Are you using only the supplied speakers?Is anything blocking the ventilation holes on the rear of the system?After the STANDBY indicator Ⓢ stops flashing, reconnect the power cord, and turn on the system. If the issue persists, contact your nearest Sony dealer.</div>
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General

The display starts flashing as soon as you plug in the power cord even though you have not turned on the system.

- Press DISPLAY Ⓢ twice while the system is off. The demonstration disappears.

Sound comes from one channel, or the left and right volumes are unbalanced.

- Place the speakers as symmetrically as possible.
- Connect only the supplied speakers.

Severe hum or noise.

- Move the system away from sources of noise.
- Connect the system to a different wall socket.
- Install a noise filter (available separately) to the power cord.

The remote does not function.

- Remove any obstacles between the remote and the remote sensor Ⓢ on the unit, and position the unit away from fluorescent lights.
- Point the remote at the system’s sensor.
- Move the remote closer to the system.

The STANDBY indicator Ⓢ remains lit after unplugging the power cord.

- The STANDBY indicator Ⓢ may not turn off immediately after unplugging the power cord. This is not a malfunction. The indicator will turn off after about 40 seconds.

CD/MP3 player

The sound skips, or the disc will not play.

- Wipe the disc clean, and replace it.
- Move the system to a location away from vibration (for example, on top of a stable stand).
- Move the speakers away from the system, or place them on separate stands. At high volume, speaker vibration may cause the sound to skip.

Play does not start from the first track.

- Return to Normal Play by pressing PLAY MODE ↻ repeatedly until both “PGM” and “SHUF” disappear.

Starting playback takes more time than usual.

- The following discs take a longer time to start playback.
 - a disc recorded with a complicated tree structure.
 - a disc recorded in multisession mode.
 - a disc that has not been finalized (a disc to which data can be added).
 - a disc that has many folders.

Tuner

Severe hum or noise, or stations cannot be received.

- Connect the antenna properly.
- Find a location and an orientation that provide good reception, and then set up the antenna again.
- Keep the antennas away from the speaker cords and the power cord to avoid picking up noise.
- Connect a commercially available external antenna.
- Consult your nearest Sony dealer if the supplied AM antenna has come off the plastic stand.
- Turn off nearby electrical equipment.

To change the AM tuning interval
The AM tuning interval is factory-preset to 10 kHz. Use buttons on the unit to change the AM tuning interval.

- Tune in any AM station, and then turn off the system.
- While holding down ▶▶▶▶ ⏭, press I/⏻ (power) ⏺. All the AM preset stations are erased. To reset the interval to the factory preset, repeat the procedure. You cannot change the AM tuning interval in Power Saving Mode.

To improve tuner reception
Turn off CD player power by using the CD power management function. By default, CD power is turned on. You cannot change the setting in Power Saving Mode. Use buttons on the unit to turn off CD player power.

- Press CD/▶▶▶▶ **II** (play/pause) ⏺ to select the CD function.
- Press I/⏻ (power) ⏺ to turn off the system.
- After “STANDBY” stops flashing, press I/⏻ (power) ⏺ while holding ENTER ⏵. “CD POWER” and “OFF” appear. With CD player power turned off, disc access time is increased. To turn on CD player power, repeat the procedure until “CD POWER” and “ON” appear.

To reset the system to factory settings
If the system still does not operate properly, reset the system to factory settings. You cannot reset the system to factory settings in Power Saving Mode. Use buttons on the unit to reset the unit to its factory default settings.

- Disconnect and reconnect the power cord, and then turn on the system.
- Press PLAY MODE/TUNING MODE ↻, DISPLAY Ⓢ and I/⏻ (power) ⏺ at the same time. All user-configured settings, such as preset radio stations, timer, and the clock, are deleted.

Messages

CANT LOCK : The system cannot be locked after you have done the procedure of “When carrying this system.” Turn the power off and then on again by pressing I/⏻ (power) ⏺ on the unit, then perform the procedure.

CD OVER : You have reached the end of the disc while pressing ▶ (fast forward) ⏭ during playback or pause.

COMPLETE : The preset operation ended normally.
LOCKED : The disc tray does not open. Contact your nearest Sony dealer.

NO DISC : There is no disc in the player, or you have loaded a disc that cannot be played.

NOT IN USE : You pressed an invalid button.

PUSH SELECT : You tried to set the clock or timer during timer operation.

PUSH STOP : You pressed PLAY MODE ↻ during playback.

SET CLOCK : You tried to select the timer when the clock is not set.

SET TIMER : You tried to select the timer when the Play Timer is not set.

STEP FULL : You tried to program more than 26 tracks or files (steps).

TIME NG : The Play Timer start and end times are set to the same time.

Display examples	
Display	indicates
2	2 (two)
5	5 (five)
6	6 (six)
8	8 (eight)
0	0 (zero)
A	A
B	B
D	D
G	G
H	H
K	K
M	M
O	O
Q	Q
R	R
S	S
Z	Z
!	! or I
~	~
\$	\$
%	%
,	,
.	.
?	?
@	@
A	A

Precautions

Discs that this system CAN play

- Audio CD
- CD-R/CD-RW (audio data/“ATRAC” files/MP3 files)

- Discs that this system CANNOT play**
- CD-ROM
- CD-R/CD-RW other than those recorded in music CD format or “ATRAC” format and MP3 format conforming to ISO9660 Level 1/Level 2, Joliet or multisession
- CD-R/CD-RW recorded in multisession that have not ended by “closing the session”
- CD-R/CD-RW of poor recording quality, CD-R/CD-RW that have scratches or are dirty, or CD-R/CD-RW recorded with an incompatible recording device
- Discs containing files other than MPEG 1 Audio Layer-3 (MP3) files
- Discs of non-standard shape (for example, heart, square, star)
- Discs that have adhesive tape, paper, or sticker attached to them
- Rental or used discs with attached seals where the glue extends beyond the seal
- Discs that have labels printed using ink that feels tacky when touched

Notes on discs

- Before playing, wipe the disc with a cleaning cloth from the center out to the edge.
- Do not clean discs with solvents, such as benzine thinner, or commercially available cleaners or anti-static spray intended for vinyl LPs.
- Do not expose discs to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall socket, even if the unit itself has been turned off.
- Completely disconnect the power cord (mains lead) from the wall socket (mains) if it is not going to be used for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself.
- Should any solid object or liquid get into the system, unplug the system, and have it checked by qualified personnel before operating it again.
- The AC power cord can be changed only by a qualified service facility.

On placement

- Do not place the system in an inclined position or in locations that are extremely hot, cold, dusty, dirty, or humid or lacking adequate ventilation, or subject to vibration, direct sunlight or a bright light.
- Be careful when placing the unit or speakers on surfaces that have been specially treated (for example, with wax, oil, polish) as staining or discoloration of the surface may result.
- If the system is brought directly from a cold to a warm location or is placed in a very damp room, moisture may condense on the lens inside the CD player, and cause the system to malfunction. In this situation, remove the disc, and leave the system turned on for about a few hours until the moisture evaporates.

On heat buildup

- Heat buildup on the unit during operation is normal and is not cause for alarm.
- Do not touch the cabinet if it has been used continuously at a high volume because the cabinet may have become hot.
- Do not obstruct the ventilation holes.

On the speaker system
This speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the speakers far away from the TV.

Cleaning the cabinet
Clean this system with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as thinner, benzine, or alcohol.

Specifications

Main unit
AUDIO POWER SPECIFICATIONS
POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
With 4 ohm loads, both channels driven, from 120 – 10,000 Hz; rated 85 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section
North American model
DIN power output (rated): 68 + 68 W (4 ohms at 1 kHz, DIN)
Continuous RMS power output (reference): 85 + 85 W (4 ohms at 1 kHz, 10% THD)
Inputs
AUDIO IN: Sensitivity 250 mV, impedance of 47 kilohms
Outputs
PHONES (stereo mini jack): accepts headphones with an impedance of 8 ohms or more
SPEAKER: accepts impedance of 4 ohms

CD player section
System: Compact disc and digital audio system
Laser Diode Properties
Emission Duration: Continuous
Laser Output*: Less than 44.6 μW
* This output is the value measurement at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Frequency response: 20 Hz – 20 kHz (±2 dB)
Wavelength: 780 – 790 nm

Tuner section
FM stereo, FM/AM superheterodyne tuner
FM tuner section:
Tuning range: 87.5 – 108.0 MHz
Antenna: FM lead antenna
Antenna terminals: 75 ohms unbalanced
Intermediate frequency: 10.7 MHz
AM tuner section:
Tuning range: 530 – 1,710 kHz (with 10 kHz tuning interval)
531 – 1,710 kHz (with 9 kHz tuning interval)
Antenna: AM loop antenna
Antenna terminals: External antenna terminal
Intermediate frequency: 450 kHz
Speaker
Speaker system: 2-way, bass-reflex type
Speaker units
Woofer: 13 cm dia., cone type
Tweeter: 4 cm dia., cone type
Nominal impedance: 4 ohms
Dimensions (w/h/d): Approx. 174 x 280 x 258 mm
Mass: Approx. 2.6 kg net per speaker

General
Power requirements: 120 V AC, 60 Hz
Power consumption: 45 watts
Dimensions (w/h/d) (excl. speakers): Approx. 180 x 280 x 360 mm
Mass (excl. speakers): 3.9 kg
Supplied accessories: Remote Commander (1)/R6 (Size AA) batteries (2)/AM loop antenna (1)/FM lead antenna (1)
US and foreign patents licensed from Dolby Laboratories.
Design and specifications are subject to change without notice.

eco info

- Standby power consumption: 0.5 W
- Halogenated flame retardants are not used in the certain printed wiring boards.
- Lead-free solder is used for soldering certain parts.
- Halogenated flame retardants are not used in cabinets. (Except for the United States model)