

SONY[®]

3-874-279-53(1)

Micro HI-FI Component System

Operating Instructions
CMT-EH26
CMT-EH25



WARNING

To reduce the risk of fire, do not cover the ventilation opening of the apparatus with newspapers, tablecloths, curtains, etc. Do not place the naked flame sources such as lighted candles on the apparatus.

To reduce the risk of fire or electric shock, do not expose this apparatus to dripping or splashing, and do not place objects filled with liquids, such as vases, on the apparatus.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

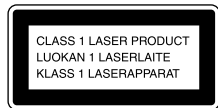
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine, fire or the like.

CAUTION

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

Except for customers in the U.S.A.



This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior.

European model only

Excessive sound pressure from earphones and headphones can cause hearing loss.

Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives.

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku, Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses given in separate service or guarantee documents.



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Applicable accessories: Remote commander



Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.

For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

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.

- “WALKMAN” and “WALKMAN” logo are registered trademarks of Sony Corporation.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.

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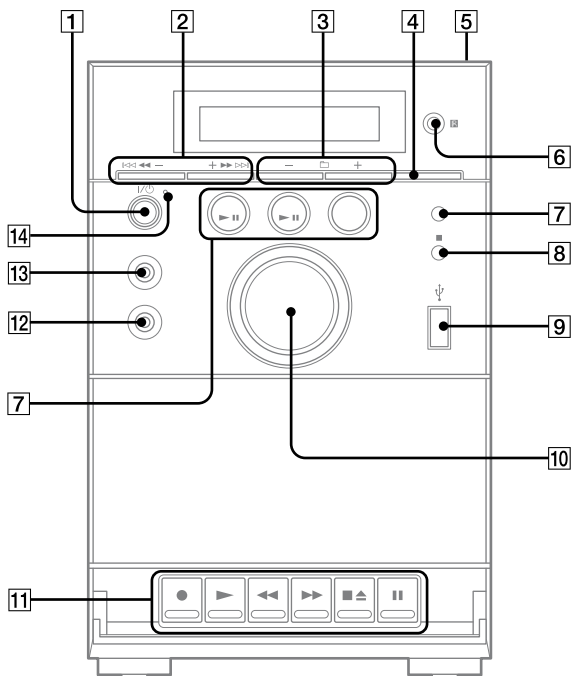
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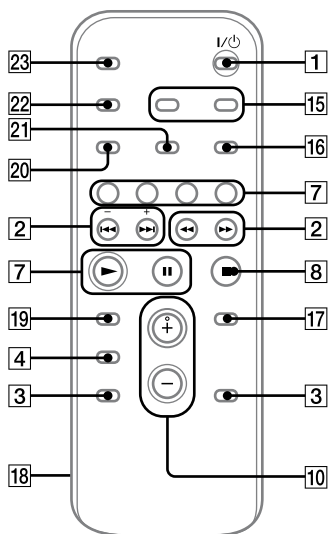
Guide to parts and controls

This manual mainly explains operations using the remote, but the same operations can also be performed using the buttons on the unit having the same or similar names.

Unit



Remote



1
I/⏻ (power) button (page 11, 21, 25)

Press to turn on the system.

2
⏮/⏭ (go back/go forward) button (page 12, 16, 19, 21)

Press to select a track or file.

Unit: TUNING +/- (tuning) button (page 13)

Remote: +/- (tuning) button (page 13, 20)

Press to tune in the desired station.

⏮/⏭ (rewind/fast forward) button (page 12)

Press to find a point in a track or file.

3
📁 +/- (select folder) button (page 12, 16, 19)

Press to select a folder.

4
Sound buttons (page 18)

Unit: DSGX button

Remote: EQ button

Press to select the sound effect.

5
⏮ PUSH OPEN/CLOSE (page 12)

Press to open or close the CD compartment.

6
Remote sensor (page 22)

7
Playback buttons and function buttons

Unit: USB ▶|| (play/pause) button (page 16)

Press to select the USB function.

Press to start or pause playback of an optional USB device.

Remote: USB button (page 16)

Press to select the USB function.

Unit: CD ▶|| (play/pause) button (page 12)

Press to select the CD function.

Press to start or pause playback of a disc.

Remote: CD button (page 12)

Press to select the CD function.

Remote: ► (play) button,
 ■■ (pause) button
 Press to start or pause playback.

TUNER/BAND button (page 13)
 Press to select the TUNER function.
 Press to select FM or AM reception mode.

FUNCTION button (page 12, 14,
 16, 17, 19)
 Press to select the function.

8
 ■ (stop) button (page 12, 13, 16)
 Press to stop playback.

9
 ↔ (USB) port (page 16, 31)
 Connect to an optional USB device.

10
 Unit: VOLUME control (page 12,
 13, 16, 17)
 Remote: VOLUME +/– button
 (page 12, 13, 16, 17)
 Turn or press to adjust the volume.

11
 ● (record) button, ► (play)
 button, ◀◀/▶▶ (rewind/fast
 forward) button, ■ ▲ (stop/
 eject) button, ■■ (pause) button
 (page 14, 15)
 Press to operate the tape functions.

12
 PHONES jack
 Connect the headphones.

13
 AUDIO IN jack (page 17)
 Connect to an optional audio
 component.

14
 STANDBY indicator (page 18, 22)
 Lights up when the system is turned off.

15
 CLOCK/TIMER SELECT button
 (page 21)
 CLOCK/TIMER SET button (page
 11, 21)
 Press to set the clock and the Play Timer.

16
 REPEAT/FM MODE button (page
 12, 14, 16)
 Press to listen to a disc or USB device
 repeatedly. Or press to listen to a single
 track/file or all tracks/files in a folder (for
 USB devices only) repeatedly.
 Press to select the FM reception mode
 (monaural or stereo).

17
 ENTER button (page 11, 19, 20,
 21)
 Press to enter the settings.

18

Battery compartment lid
(page 11)

19

CLEAR button (page 19)
Press to delete a pre-programmed track or file.

20

TUNER MEMORY button (page 20)
Press to preset the radio station.

21

PLAY MODE/TUNING MODE button (page 12, 13, 19, 20)
Press to select the play mode of a CD or MP3 disc.
Press to select the tuning mode.

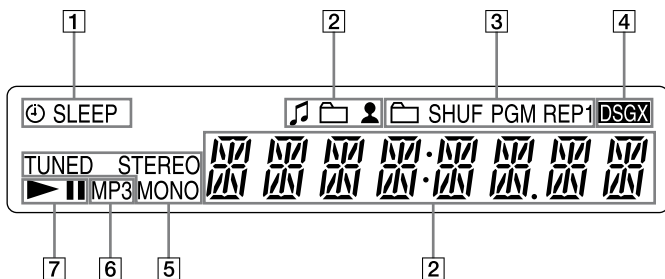
22

DISPLAY button (page 18)
Press to change the information on the display.

23

SLEEP button (page 21)
Press to set the Sleep Timer.

Information on the display



1

Timer (page 21)

2

Text information

3

Play mode (page 12)

4

DSGX (page 18)

5

Tuner reception mode (page 13)

Tuner reception (page 13)

6

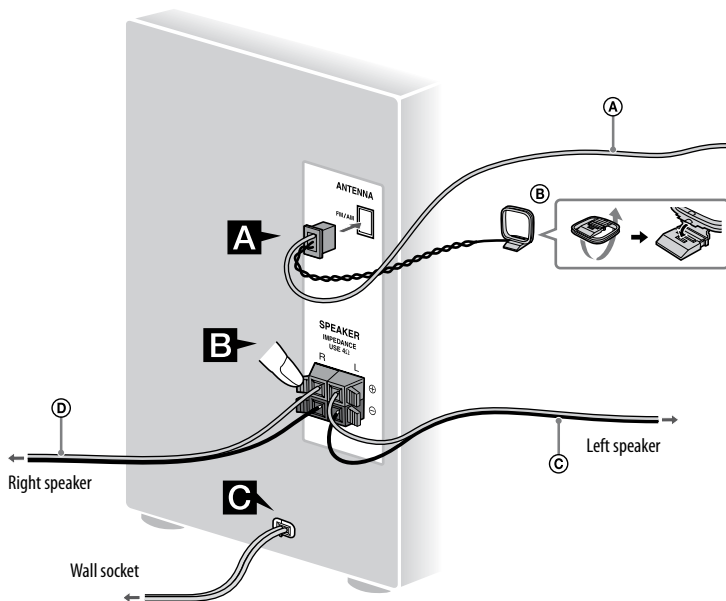
Audio format

7

Play/Pause

Getting Started

Hooking up the system securely



- (A) FM lead antenna (Extend it horizontally.)
- (B) AM loop antenna
- (C) Speaker cord (Black/⊖)
- (D) Speaker cord (Red/⊕)

A 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, the power cord and the USB cable to avoid picking up noise.

B Speakers

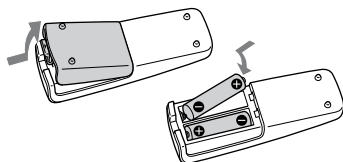
Insert only the stripped portion of the speaker cords into the SPEAKER jacks.

C Power

Connect the power cord to a wall socket. If the plug does not fit the wall socket, detach the supplied plug adaptor (only for models equipped with an adaptor).

To use the remote

Slide and remove the battery compartment lid **18**, and insert the two R6 (size AA) batteries (not supplied), **+** side first, matching the polarities shown below.



Notes

- 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.

Setting the clock

Use buttons on the remote to set the clock.

- 1 Press **I/⏻** **1** to turn on the system.
- 2 Press **CLOCK/TIMER SET** **15**.
The hour indication flashes in the display.
If “PLAY SET” flashes in the display, press **⏮/⏭** **2** repeatedly to select “CLOCK” and then press **ENTER** **17**.
- 3 Press **⏮/⏭** **2** repeatedly to set the hour, and then press **ENTER** **17**.
- 4 Use the same procedure to set the minutes.
The clock settings are lost when you disconnect the power cord or if a power failure occurs.

To display the clock when the system is off

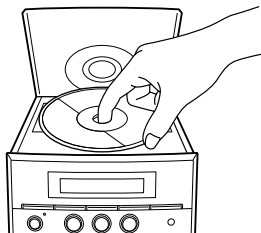
Press **DISPLAY** **22**. The clock is displayed for about 8 seconds.

Basic Operations

Playing a CD/MP3 disc

1 Select the CD function.
Press CD (or FUNCTION repeatedly) **[7]**.

2 Place a disc.
Press **▲** PUSH OPEN/CLOSE **[5]** on the unit, and place a disc with the label side up on the CD compartment.



To close the CD compartment, press **▲** PUSH OPEN/CLOSE **[5]** on the unit again.

3 Start playback.
Press **▶** (or CD **▶||** on the unit) **[7]**.

4 Adjust the volume.
Press VOLUME +/- (or turn the VOLUME control on the unit) **[10]**.

Other operations

To	Press
Pause playback	 (or CD ▶ on the unit) [7] . To resume play, press the button again.
Stop playback	■ [8] .
Select a folder on an MP3 disc	📁 +/- [3] .
Select a track or file	◀◀/▶▶ [2] .
Find a point in a track or file	Hold down ◀◀/▶▶ [2] during playback, and release the button at the desired point.
Select Repeat Play	REPEAT [16] repeatedly until "REP" or "REP1" appears.

To change the play mode

Press PLAY MODE **[21]** repeatedly while the player is stopped. You can select normal play ("📁*"), shuffle play ("SHUF" or "📁 SHUF*"), or program play ("PGM").

* When playing a CD-DA disc, **📁** (SHUF) Play performs the same operation as normal (shuffle) play.

Notes on Repeat Play

- All tracks or files on a disc are played repeatedly up to five times.
- "REP1" indicates that a single track or file is repeated until you stop it.

Notes on playing MP3 discs

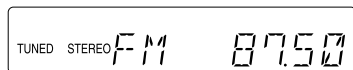
- Do not save other types of files or unnecessary folders on a disc that has MP3 files.
- Folders that have no MP3 files are skipped.
- MP3 files are played back in the order that they are recorded onto the disc.
- The system can only play MP3 files that have a file extension of “.MP3”.
- If there are 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:
 - folders is 150 (including the root folder).
 - MP3 files is 255.
 - MP3 files and folders that can be contained on a single disc is 256.
 - 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.

Notes on playing multisession discs

- If the disc begins with a CD-DA (or MP3) session, it is recognized as a CD-DA (or 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 **[7]** repeatedly.
- 2 Select the tuning mode.
Press TUNING MODE **[21]** repeatedly until “AUTO” appears.
- 3 Tune in the desired station.
Press +/- (or TUNING +/- on the unit) **[2]**. Scanning stops automatically when a station is tuned in, and then “TUNED” and “STEREO” (for stereo programs only) appear.



When you tune in a station that provides RDS services, the station name appears on the display (European model only).

- 4 Adjust the volume.
Press VOLUME +/- (or turn the VOLUME control on the unit) **[10]**.

To stop automatic scanning

Press **[8]**.

To tune in a station with a weak signal

If “TUNED” does not appear and the scanning does not stop, press TUNING MODE [21] repeatedly until “MANUAL” appears, and then press +/- (or TUNING +/- on the unit) [2] repeatedly to tune in the desired station.

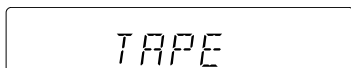
To reduce static noise on a weak FM stereo station

Press FM MODE [16] repeatedly until “MONO” appears to turn off stereo reception.

Playing a tape

Use buttons on the unit to play tape.

- 1 Select the TAPE function.
Press FUNCTION [7] repeatedly to select “TAPE.”



- 2 Insert a tape.
Press ■ ▲ [11], and insert the tape into the cassette holder. Make sure there is no slack in the tape to avoid damaging the tape or the tape deck.
- 3 Start playback.
Press ► [11].

Other operations

To	Press
Pause playback	[11]. To resume play, press [11] again.
Stop playback	■ ▲ [11].
Rewind or fast forward*	◀◀/▶▶ [11].

* Make sure to press ■ ▲ [11] after the tape has been wound or rewound to the end.

Note

Do not turn off the system during playback.

Recording onto a tape

Use a TYPE I (normal) tape only.
You can record just the portions you like from a sound source, including the USB device or connected audio components. Use buttons on the unit to control tape recording.

1 Insert a recordable tape.

Press **■ ▲ [11]**, and insert the tape into the cassette holder with the side you want to record facing forward.

2 Prepare the recording source.

Select the desired source to record. Place the disc you want to record. When recording a folder from an MP3 disc, press **PLAY MODE [2]** repeatedly to select “**□**” and then press **□ +/- [3]** repeatedly to select the desired folder.

To record only your favorite CD tracks or MP3 files in your desired order, perform steps 2 to 5 of “Creating your own program” (page 19).

3 Start recording.

Press **● [11]**.

The CD starts playing automatically. When recording from a connected USB device or audio component, start playing desired recording sources manually.

To stop recording, press **■ ▲ [11]**.

Notes

- If there is noise while recording from the tuner, reposition the appropriate antenna to reduce the noise.
- While recording, you cannot listen to other sources.
- Do not turn off the system during recording.

Tip

We recommend that you press **■ [11]** first, and then press **■ ▲ [11]** to avoid noise being recorded when you stop recording.

Listening to music of an USB device

You can listen to music stored in the USB device.

The audio format that can be played back by this system is MP3*.

See “Playable USB devices with this system” (page 31) for a list of USB devices that can be connected to this system.

- * Files with copyright protection (Digital Rights Management) cannot be played by this system.
Files downloaded from an online music store may not be played by this system.

1 Select the USB function.

Press USB (or FUNCTION repeatedly) [7].

2 Connect an optional USB device to the (USB) port [9].



When the USB device is connected, the display changes as follows:
“READING” → “1*”

- * When connecting the USB device, “1” (volume label) is displayed next if recorded.

Note

It may take about 10 seconds before “READING” appears depending on the type of USB device connected.







3 Start playback.

Press  (or USB  on the unit) [7].

4 Adjust the volume.

Press VOLUME +/- (or turn the VOLUME control on the unit) [10].

Other operations

To	Press
Pause playback	USB  [7] on the unit. To resume play, press the button again*.
Stop playback	 [8].
Select a folder	 +/- [3].
Select a file	 /  [2].
Select Repeat Play	REPEAT [16] repeatedly until “REP”, “  REP” or “REPI” appears.

- * When playing a VBR MP3 file, the system may resume playback from a different point.

Notes on the USB device

- Some time may be needed to start playback when:
 - the folder structure is complex.
 - the memory capacity is excessive.
- When the USB device is connected, the system reads all the files on the USB device. If there are many folders or files on the USB device, it may take a long time to finish reading the USB device.
- Do not connect the system and the USB device through an USB hub.
- With some connected USB devices, after an operation is performed, there may be a delay before it is performed by this system.
- This system does not necessarily support all the functions provided in a connected USB device.

- The playback order for the system may differ from the playback order of the connected USB device.
- Do not save other types of files or unnecessary folders on a USB device that has audio files.
- Folders that have no audio files are skipped.
- The maximum number of audio files and folders that can be contained on a single USB device is 999 (including the “ROOT” folder). The maximum number of audio files and folders may vary depending on the file and folder structure.
- The audio format that you can listen to with this system is MP3 with an “.mp3” file extension.
Note that even when file name has the correct file extension, if the actual file differs, the system may produce noise or may malfunction.
- Compatibility with all encoding/writing softwares, recording devices, and recording media cannot be guaranteed. Incompatible USB device may produce noise or interrupted audio or may not play at all.

Note on Repeat Play

All files on a USB device are repeated until you stop playback.

Using optional audio components

- 1** Connect additional audio component to the AUDIO IN jack **[13]** on the unit using an audio analog cord (not supplied).
- 2** Turn down the volume.
Press VOLUME – (or turn the VOLUME control on the unit) **[10]**.
- 3** Select the AUDIO IN function.
Press FUNCTION **[7]** repeatedly.
- 4** Start playing the connected component.
- 5** Adjust the volume.
Press VOLUME +/- (or turn the VOLUME control on the unit) **[10]**.




Adjusting the sound

To add a sound effect

To	Press
Generate a more dynamic sound (Dynamic Sound Generator X-tra)	DSGX 4 on the unit.
Set the sound effect	EQ 4 repeatedly.

Changing the display

To	Press
Change information on the display ¹⁾	DISPLAY 22 repeatedly when the system is on.
Check the clock when the system is off	DISPLAY 22 when the system is off ²⁾ . The clock is displayed for 8 seconds.

- ¹⁾ For example, you can view CD/MP3 disc information, such as;
- track or file number during normal play.
 - track or file name (“”) during normal play.
 - artist name (“”) during normal play.
 - album or folder name (“”) during normal play.
- ²⁾ The STANDBY indicator **14** on the unit lights up when the system is off.

Notes on the display information

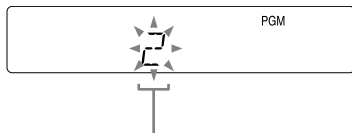
- Characters that cannot be displayed appear as “_”.
- The following are not displayed:
 - total playing time for a CD-DA disc depending on the play mode.
 - total playing time and remaining playing time for an MP3 disc and USB device.
- The following is not displayed correctly:
 - folder and file names that do not follow either the ISO9660 Level 1, Level 2 or Joliet in the expansion format.
- The following are displayed:
 - ID3 tag information for MP3 files when ID3 version 1 and version 2 tags are used.
 - up to 15 characters of ID3 tag information using uppercase letters (A to Z), numbers (0 to 9), and symbols (“\$%’() * + , - . / < = > @ [\] _ ` { | } ! ? ^”).

Other Operations

Creating your own program

(Program Play)

- 1 Select the desired function.
Press CD (or FUNCTION repeatedly) **[7]** to select the CD function.
- 2 Press PLAY MODE **[21]** repeatedly until "PGM" appears while the system is stopped.
- 3 Press **◀◀/▶▶** **[2]** repeatedly until the desired track or file number appears.
When programming MP3 files, press **☰ +/-** **[3]** repeatedly to select the desired folder, and then select the desired file.
Example: When programming tracks on a CD



Selected track or file number

- 4 Press ENTER **[17]** to add the track or file to the program.
" — . — " appears when the total program 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 MP3 file.
- 5 Repeat steps 3 through 4 to program additional tracks or files, up to a total of 15 tracks or files.
- 6 To play your program of tracks or files, press **▶** **[7]**.
The program remains available until you open the CD compartment. To play the same program again, press **▶** **[7]**.

To cancel Program Play

Press PLAY MODE **[21]** repeatedly until "PGM" disappears while the system is stopped.


To delete the last track or file of the program

Press CLEAR **[19]** while the system is stopped.



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.

- 1 Tune in the desired station (see “Listening to the radio” (page 13)).
- 2 Press TUNER MEMORY .





- 3 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.
- 4 Press ENTER .

- 5 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.

- 6 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 the 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 [23] repeatedly.

If you select "AUTO," the system automatically turns off after the current disc, tape or USB device stops or in 100 minutes.

If the tape deck is still playing or recording at the set time, the system turns off after the tape deck stops.

Play Timer:

You can wake up to CD, tuner or optional USB device at a preset time.

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

- 1 Prepare the sound source.
Prepare the sound source, and then press VOLUME +/- [10] to adjust the volume.
To start from a specific track or file, create your own program (page 19).
- 2 Press CLOCK/TIMER SET [15].
- 3 Press I◀◀/▶▶I [2] repeatedly to select "PLAY SET," and then press ENTER [17].
"ON TIME" appears, and the hour indication flashes.

- 4 Set the time to start playing.
Press I◀◀/▶▶I [2] repeatedly to set the hour, and then press ENTER [17].
The minute indication flashes. Use the procedure above to set the minutes.
- 5 Use the same procedure as in step 4 to set the time to stop playing.
- 6 Select the sound source.
Press I◀◀/▶▶I [2] repeatedly until the desired sound source appears, and then press ENTER [17]. The display shows the timer settings.
- 7 Press I/⏻ [1] 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 [15], press I◀◀/▶▶I [2] repeatedly until "PLAY SEL" appears, and then press ENTER [17].

To cancel the timer

Repeat the same procedure as above until "OFF" appears, and then press ENTER [17].

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

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

If the STANDBY indicator flashes

Immediately unplug the power cord, and check the following items.

- 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 sides or back of the system?

After the STANDBY indicator **[14]** stops flashing, reconnect the power cord, and turn on the system. If the issue persists, contact your nearest Sony dealer.

General

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 **[6]** 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 **[14]** remains lit after unplugging the power cord.

- The STANDBY indicator **[14]** 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.

- Press PLAY MODE **[21]** repeatedly until both "PGM" and "SHUF" disappear to return to normal play.

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.





Tape deck**The sound exhibits excessive wow or flutter or dropout.**

- Clean the capstans, pinch rollers and tape heads. See “Precautions” for details.

USB device**Are you using a supported USB device?**

- If you connect an unsupported USB device, the following problems may occur. See “Playable USB devices with this system” (page 31) for the supported device types.
 - The USB device is not recognized.
 - File or folder names are not displayed on this system.
 - Playback is not possible.
 - The sound skips.
 - There is noise.
 - A distorted sound is output.

“OVER CURRENT” appears.



- A problem has been detected with the level of electrical current from the  (USB) port . Turn off the system and remove the USB device from the  (USB) port . Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

There is no sound.

- The USB device is not connected correctly. Turn off the system, then reconnect the USB device and check if “USB” appears.

There is noise, skipping, or distorted sound.

- Turn off the system, then reconnect the USB device.
- The music data itself contains noise, or the sound is distorted. Noise may have been introduced when creating music data due to the conditions of the computer. Create the music data again.
- The bit rate used when encoding the files was low. Send files encoded with higher bit rates to the USB device.

The USB device cannot be connected into the  (USB) port .

- The USB device is being connected backwards. Connect the USB device in the correct orientation.

“READING” is displayed for an extended time, or it takes a long time before playback starts.

- The reading process can take a long time in the following cases.
 - There are many folders or files on the USB device.
 - The file structure is extremely complex.
 - The memory capacity is excessive.
 - The internal memory is fragmented.
- Thus, we recommend following these guidelines.
- Total folders on USB device: 100 or less
 - Total files per folder: 100 or less




Erroneous display

- Send the music data to the USB device again, as the data stored in the USB device may have been corrupted.
- The character codes that can be displayed by this system are numbers and alphabet only. Other characters are not displayed correctly.

The USB device is not recognized.

- Turn off the system and reconnect the USB device, then turn on the system.
- Connect the supported USB device (page 31).
- The USB device does not work properly. Refer to the USB device operation manual for how to deal with this problem. If the problem persists, contact your nearest Sony dealer.

Play does not start.

- Turn off the system and reconnect the USB device, then turn on the system.
- Connect the supported USB device (page 31).
- Press  (or USB  on the unit)  to start play.

Files cannot be played back.

- The MP3 file does not have the extension “.mp3”.
- The data is not stored in MP3 format.
- USB storage device formatted with file systems other than FAT16 or FAT32 are unsupported.*
- If you use partitioned USB storage device, only files on the first partition can be played.
- Playback is possible up to 8 levels.
- The number of folders has exceeded 999.
- The number of files has exceeded 999.
- Files that are encrypted or protected by passwords, etc. cannot be played back.

* This system supports FAT16 and FAT32, but some USB storage device may not support all of these FAT. For details, see the operation manual of each USB storage device or contact the manufacturer.

Tuner

Severe hum or noise, or stations cannot be received. ("TUNED" or "STEREO" flashes on the display.)

- 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, the power cord and the USB cable to avoid picking up noise.
- Turn off nearby electrical equipment.

Several radio stations can be heard at the same time.

- Find a location and an orientation that provide good reception, and then set up the antenna again.
- Bundle the antenna cables using commercially available cord clips, for example, and adjust the cable lengths.

To change the AM tuning interval

The AM tuning interval is factory-preset to 9 kHz (or 10 kHz, for some areas; this function is not available on the European and Russian models).

Use buttons on the unit to change the AM tuning interval.

- 1 Tune in any AM station, and then turn off the system.
- 2 Press **I/⏻** **1** to turn off the system.
- 3 Press **DISPLAY** **22** to display the clock.
- 4 While the clock is displayed, hold down **TUNING +** **2** and then press **I/⏻** **1** to turn on the system.
All the AM preset stations are erased. To reset the interval to the factory preset, repeat the procedure.

To reset the system to factory settings

If the system still does not operate properly, reset the system to factory settings.

Use buttons on the unit to reset the system to its factory default settings.

- 1 Disconnect and reconnect the power cord, and then turn on the system.
- 2 Press **■** **8**, **⏪** **2** and **I/⏻** **1** at the same time.
All user-configured settings, such as preset radio stations, timer, and the clock, are deleted.

Messages

CD/MP3 player, Tuner

COMPLETE: The preset operation ended normally.

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

NO STEP: All of the programmed tracks or files have been erased.

OVER: You have reached the end of the disc while pressing ►► [2] during playback or pause.

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

PUSH STOP: You pressed PLAY MODE [2] during playback.

READING: The system is reading information of the disc. Some buttons are not available.

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.

FULL: You tried to program more than 15 tracks or files (steps).

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

USB device

CANNOT PLAY: You tried to play an unsupported track or file.

DEVICE ERROR: The USB device could not be recognized or an unknown device is connected (page 24).

No DEVICE: No USB device is connected or the connected USB device has been stopped.

NO TRACK: No playable file is loaded in the system.

READING: The system is recognizing the USB device.

REMOVED: The USB device has been removed.

Display examples

Display	indicates
0	0 (zero)
2	2 (two)
5	5 (five)
6	6 (six)
8	8 (eight)
A	A
B	B
D	D
G	G
H	H
K	K
M	M
O	O
Q	Q
R	R
S	S
Z	Z
,	,
@	@

Precautions**Discs that this system CAN play**

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

Discs that this system CANNOT play

- CD-ROM
- CD-R/CD-RW other than those recorded in music CD format or 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
- CD-R/CD-RW which is finalized incorrectly
- 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 benzene 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

- 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 an hour 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 become hot.
- Do not obstruct the ventilation holes.

On the speaker system

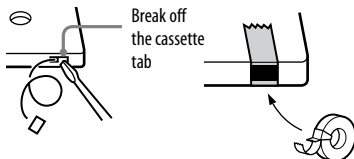
This speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the speakers far away from the TV.

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, benzene, or alcohol.

To prevent a tape from being accidentally recorded over

Break off the cassette's overwrite protection tab from side A or B as illustrated.



To later reuse the tape for recording, cover the broken tab with adhesive tape.

About a tape longer than 90 minutes

The use of the tape with more than 90 minutes of play time is not recommended except for long, continuous recording or playback.

Cleaning the tape heads

Use dry- or wet-type cleaning cassette (available separately) after every 10 hours of use, before you start an important recording, or after playing an old tape. Failure to clean the tape heads can cause degraded sound quality or an inability of the unit to record or play tapes. For details, refer to the instructions of the cleaning cassette.

Specifications

Main unit

Amplifier section

European and Russian models:

DIN power output (rated):
4 + 4 watts (4 ohms at 1 kHz, DIN)
Continuous RMS power output
(reference): 5 + 5 watts (4 ohms at
1 kHz, 10% THD)

Music power output (reference):
7 + 7 watts (4 ohms at 1 kHz, 10%
THD)

Other models:

DIN power output (rated):
4 + 4 watts (4 ohms at 1 kHz, DIN)
Continuous RMS power output
(reference): 5 + 5 watts (4 ohms at
1 kHz, 10% THD)

Inputs:

AUDIO IN (stereo mini jack):
voltage 800 mV, impedance
47 kilohms

⚡ (USB) port: Type A, maximum
current 500 mA

Outputs:

PHONES (stereo mini jack): accepts
headphones of 8 ohms or more
SPEAKER: accepts impedance of
4 ohms

USB section

Supported bit rate

MP3 (MPEG 1 Audio Layer-3):
32 – 320 kbps, VBR

Sampling frequencies

MP3 (MPEG 1 Audio Layer-3):
32/44.1/48 kHz

CD player section

System: Compact disc and digital audio system

Laser Diode Properties

Emission Duration: Continuous

Laser Output*: Less than $44.6\mu\text{W}$

* This output is the value measurement at a distance of 200mm from the objective lens surface on the Optical Pick-up Block with 7mm aperture.

Frequency response: 20 Hz — 20 kHz

Signal-to-noise ratio: More than 90 dB

Dynamic range: More than 90 dB

Tape deck section

Recording system: 4-track 2-channel, stereo

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section:

Tuning range:

87.5 — 108.0 MHz (50 kHz step)

Antenna: FM lead antenna

Intermediate frequency: 10.7 MHz

AM tuner section:

Tuning range

European and Russian models:

531 — 1,602 kHz (9 kHz step)

Latin American models:

530 — 1,710 kHz (10 kHz step)

531 — 1,710 kHz (9 kHz step)

Australian model:

530 — 1,710 kHz (10 kHz step)

531 — 1,710 kHz (9 kHz step)

Other models:

531 — 1,602 kHz (9 kHz step)

530 — 1,610 kHz (10 kHz step)

Antenna: AM loop antenna

Intermediate frequency: 450 kHz

Speaker

Speaker system: Full range, 8 cm dia., cone type

Nominal impedance: 4 ohms

Dimensions (w/h/d): Approx. $148 \times 241 \times 135.5$ mm

Mass: Approx. 1.3 kg net per speaker

General

Power requirements

European and Russian models:

230 V AC, 50/60 Hz

Korean model:

220 V AC, 60 Hz

Australian model:

230 — 240 V AC, 50/60 Hz

Mexican model:

120 V AC, 60 Hz

Latin American models (except for Mexican model):

110 — 120 V or 220 — 240 V AC, 50/60 Hz, adjustable with voltage selector

Other models:

220 — 240 V AC, 50/60 Hz

Power consumption: 27 watts

Dimensions (w/h/d) (excl. speakers):

Approx. $155 \times 241 \times 224.6$ mm

Mass (excl. speakers): Approx. 2.2 kg

Supplied accessories: Remote Commander (1), FM/AM antenna (1)

Design and specifications are subject to change without notice.

Halogenated flame retardants are not used in the certain printed wiring boards.

Playable USB devices with this system

You can use the following Sony USB devices on this system. Other USB devices are not playable on this system.

Verified Sony digital music player (as of March 2008)

Product name	Model name
Walkman®	NWD-B103 / B103F / B105 / B105F
	NWZ-A815 / A816 / A818
	NWZ-S515 / S516 / S615F / S616F / S618F

Check the websites below for the latest information about compatible devices.

For customers in the U.S.A.:

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

For customers in Canada:

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

French <<http://fr.sony.ca/ElectronicsSupport/>>

For customers in Europe:

<<http://support.sony-europe.com/>>

For customers in Latin America:

<<http://www.sony-latin.com/index.crp>>

For customers in Asia and Oceania:

<<http://www.sony-asia.com/support>>

Notes

- When formatting the digital music player or USB device, be sure to format using the device itself or the dedicated formatting software for that device. Otherwise, you may be unable to record the USB device properly on this system.
- Do not use USB devices other than these USB devices. Operation of models not listed here is not guaranteed.
- Operation may not always be ensured even when using these USB devices.
- Some of these USB devices may not be available for purchase in certain areas.

Notes on Walkman®

- When transferring music to a Walkman® using “Media Manager for WALKMAN,” be sure to transfer in MP3 format.
- When connecting a Walkman® to the system, be sure to connect after the display “Creating Library” or “Creating Database” on the Walkman® has disappeared.

