SONY

Micro HI-FI Component System

Operating Instructions
CMT-LX50WMR

COMPACT
DISC
DIGITAL AUDIO

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.

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

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 expose batteries or apparatus with battery-installed to excessive heat such as sunshine, fire or the like.

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

CAUTION

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

Except for customers in the U.S.A. and Canada

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT
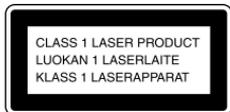
This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior.

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.

Note on copyright-protected content

The transferred music is limited to private use only. Use of the music beyond this limit requires permission of the copyright holders.

License and Trademark Notice

- "WALKMAN" and "WALKMAN" logo are registered trademarks of Sony Corporation.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- Windows Media is a registered trademark of Microsoft Corporation in the United States and/or other countries.
- The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Sony Corporation is under license. Other trademarks and trade names are those of their respective owners.

Table of Contents

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.

Main unit
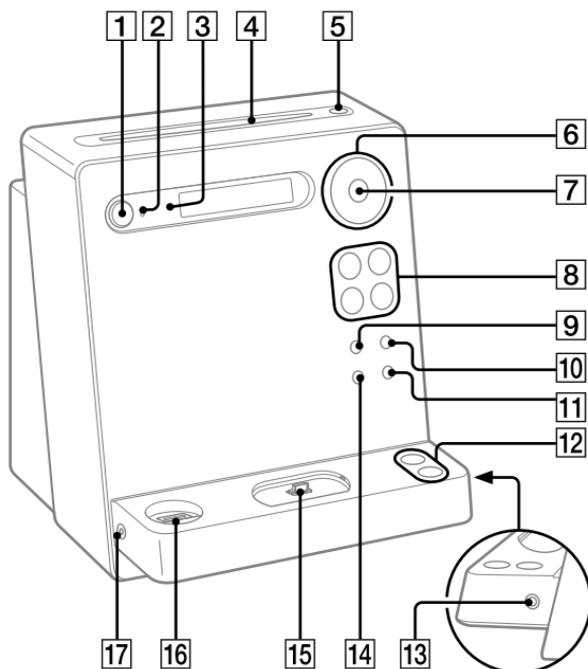
1
I/⏻ (power) button (page 14, 32)
Press to turn on or off the system.

2
STANDBY indicator (page 30, 33)
Lights up when the system is turned off.

3
Remote sensor (page 33)

4
Disc slot

5
⏏ (eject) button
Press to eject a disc.

6
📁 +/− (select folder) button
(page 15, 21, 23, 26, 27)
Press to select a folder.

TUNE +/− (tuning) button (page
17)
Press to tune in the desired station.

I◀◀ /▶▶I (go back/go forward)
button (page 15, 22, 23, 25, 26,
27)
Press to select a track or file.

◀◀/▶▶ (rewind/fast forward)
button (page 15, 25, 26)
Press to find a point in a track or file.

7
ENTER button (page 14, 17, 21,
22, 23, 28, 31, 32)
Press to enter the settings.

8
Playback buttons and function
buttons
▶II (play/pause) button (page
15, 24, 25, 26)
Press to start or pause playback of a disc,
a "WALKMAN" or an optional USB
device.

■ (stop) button (page 15, 17, 22,
23, 25, 26)
Press to stop playback of a disc, a
"WALKMAN" or an optional USB
device.

FUNCTION +/− button (page 15,
17, 21, 22, 23, 24, 26, 27, 29)
Press to select the function.

9
REC TO USB button (page 21)
Press to transfer music from a disc to the
connected optional USB device.

10
REC TO WALKMAN button (page
21)
Press to transfer music from a disc to the
connected "WALKMAN."

[11]
DSGX button (page 29)
Press to select the sound effect.

[12]
VOLUME +/− button
Press to adjust the volume.

[13]
AUDIO IN jack
Connect an optional audio component.

[14]
USB ERASE button (page 23)
Press to erase audio files and folders from the connected "WALKMAN" or USB device.
When you connect a "WALKMAN," make sure to follow the connection procedure described on page 22.

[15]
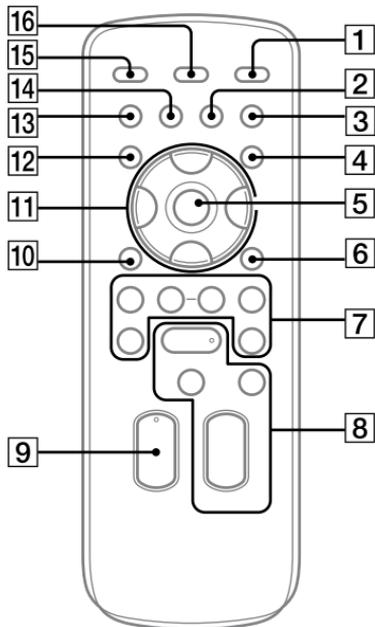WM-PORT ("WALKMAN" port) (page 21, 24)
Connect a "WALKMAN."

[16]
←← (USB) port (page 21, 22, 26)
Connect an optional USB device.

[17]
PHONES jack
Connect the headphones.

Remote

[1]
I/(¹) (power) button (page 14, 32)
Press to turn on or off the system.

[2]
CLEAR button (page 28)
Press to delete a pre-programmed track or file.

③
EQ button (page 29)
Press to select the sound effect.

④
TIMER MENU button (page 14, 31, 32)
Press to set the clock and the Play Timer.

⑤
⊕ (enter) button (page 14, 17, 21, 22, 23, 28, 31, 32)
Press to enter the settings.

⑥
TOOL MENU button (page 22, 23)
Press to erase audio files and folders from the connected "WALKMAN" or USB device.
Press to select which memory to read to if the USB device has more than one memory.

⑦
+/− (tuning) button (page 17)
Press to tune in the desired station.

⏮ /⏭ (go back/go forward) button (page 15, 22, 23, 25, 26, 27)
Press to select a track or file.

☐ +/− (select folder) button (page 15, 21, 23, 26, 27)
Press to select a folder.

◀◀/▶▶ (rewind/fast forward) button (page 15, 25, 26)
Press to find a point in a track or file.

⑧
Playback buttons and function buttons
▶ (play) button (page 15, 24, 26)
Press to start playback.

❚❚ (pause) button (page 15, 25, 26)
Press to pause playback.

■ (stop) button (page 15, 17, 22, 23, 25, 26)
Press to stop playback of a disc, a "WALKMAN" or an optional USB device.

FUNCTION +/− button (page 15, 17, 21, 22, 23, 24, 26, 27, 29)
Press to select the function.

⑨
VOLUME +/− button
Press to adjust the volume.

⑩
⟲ RETURN button
Press to return to the previous menu.

11

⬆/⬇/⬅/➡ button (page 14, 25, 31, 32)

Press to select the menu items.
Press to skip the next (previous) folder when using the "WALKMAN."

12

TUNER MEMORY button (page 17)

Press to preset the radio station.

13

PLAY MODE/TUNING MODE button (page 16, 17, 26, 27, 28)

Press to select the play mode of a disc or an optional USB device.
Press to select the tuning mode.

14

REPEAT/FM MODE button (page 15, 17, 26)

Press to listen to a disc, a single track or file repeatedly.
Press to select the FM reception mode (monaural or stereo).

15

SLEEP button (page 31)

Press to set the Sleep Timer.
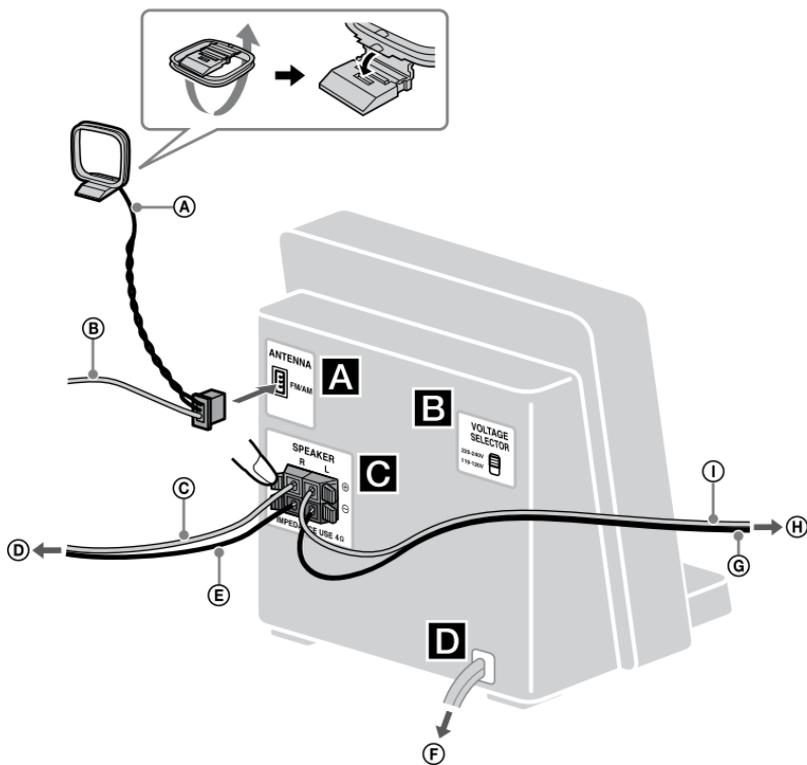
16

DISPLAY button (page 28, 30)

Press to change the information on the display.

Getting Started

Hooking up the system securely

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

(F) To wall outlet
(G) Speaker cord (Black/⊖)
(H) To left speaker
(I) Speaker cord (Red/⊕)

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A Antennas

Find a location and an orientation that provide good reception, and then set up the antennas.

Keep the antennas away from the speaker cords, the power cord and the USB cable to avoid picking up noise.

B Voltage selector

For models with a voltage selector, set VOLTAGE SELECTOR to the local power line voltage.

For Latin American models (except for Mexican model), set VOLTAGE SELECTOR to 220 — 240 V or 110 — 120 V.

C Speakers

Insert only the stripped portion of the cord.

D Power

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

Inserting batteries

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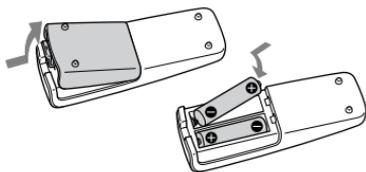
Notes

- 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.
- Batteries installed devices shall not be exposed to excessive heat such as sunshine, fire or the like.

Using the "WALKMAN"

A "WALKMAN" equipped with a WM-PORT can be connected to the WM-PORT on the unit, using the supplied ether one, type A or B, of oval attachments for "WALKMAN" models. The following steps for installation and removal are described using the oval attachment A.

Oval attachments for "WALKMAN" models

The following "WALKMAN" models are compatible with the supplied oval attachments.
Make sure to use the compatible oval attachment for your "WALKMAN." The attachment type (A or B) is indicated on the bottom of each attachment.

Type A attachment
Compatible "WALKMAN" models:

NW-S600 series, NW-S700F series, NW-A800 series, NWZ-A810 series, NWZ-A820 series, NWZ-A820K series, NWZ-A720 series, NWZ-S730 series, NWZ-S630 series, NWZ-E430 series

Type B attachment
Compatible "WALKMAN" models:

NWZ-S510 series, NWZ-S610F series, NWZ-X1000 series
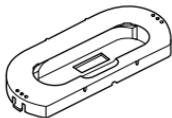
Install the compatible oval attachment for "WALKMAN."

Match the hole inside the WM-PORT with the projection on the left side of the attachment.
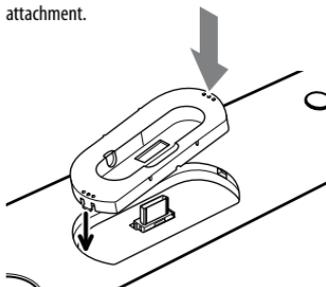
To remove the oval attachment for "WALKMAN"

Press down on the right side of the attachment.
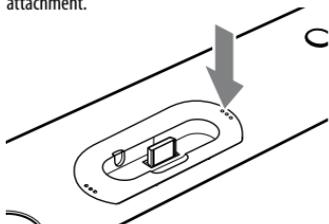
When the left side rises up, grasp the attachment and remove it.
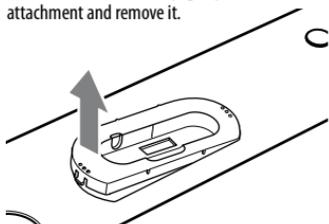
Setting the clock

Use buttons on the remote to set the clock.

1 Turn on the system.
Press I/(¹).

2 Select the clock set mode.
Press TIMER MENU.
If "PLAY SET" flashes, press ✦/✦ repeatedly to select "CLOCK," and then press ⊕.

3 Set the time.
Press ✦/✦ repeatedly to set the hour, and then press ⊕.

4 Use the same procedure to set the minutes.

Note
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. The clock is displayed for about 8 seconds.

Operations

Playing a CD/MP3 disc

1 Select the CD function.
Press FUNCTION +/− repeatedly.

2 Insert a disc.
Insert a disc in the disc slot with the label side facing forward.

Insert a disc with the label side facing forward.
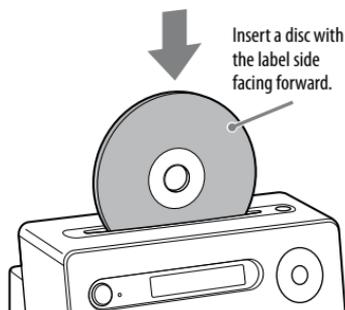
Notes
- **When you turn on the system, the disc is not pulled into the disc slot until "NO DISC" appears in the display. Do not attempt to push in the disc until "NO DISC" appears.**
- **Do not insert a disc with non-standard shapes (e.g., heart, square, star). The disc may fall into the system and cause irreparable damage.**
- When pressing ⏏ on the unit and then reinserting the disc that appears in the disc slot, do not simply push in the disc. Remove the disc from the disc slot and then reinsert it.
- Do not turn off the system with a disc halfway inserted in the disc slot. Doing so may cause the disc to fall.
- Do not use a disc with tape, seals or paste on it as this may cause malfunction.
- When you eject a disc, handle the disc by its edge. Do not touch the surface.

- Do not push a disc into the disc slot when the system is off . Doing so may cause the system to malfunction.
- Do not insert an 8 cm disc with an adaptor. Doing so may cause the system to malfunction.

3 Start playback.
Press ▶ (or ▶ on the unit).

Other operations

To	Press
Pause playback	⏸ (or ▶ on the unit). To resume playback, press the button again.
Stop playback	⏹.
Select a folder on an MP3 disc	📁 +/− repeatedly.
Select a track or file	⏮ /⏭.
Find a point in a track or file	Hold down ◀◀/▶▶ during playback, and release the button at the desired point.
Select Repeat Play	REPEAT repeatedly until "REP" or "REP1" appears.
Eject a disc	⏏ on the unit.

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To change the play mode

Press PLAY MODE repeatedly while the player is stopped. You can select normal play ("📁*" for all MP3 files in the folder on the disc), shuffle play ("SHUF" or "📁 SHUF" for folder shuffle), or program play ("PGM").

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

Note on shuffle play mode

When you turn off the system, the selected shuffle play mode ("SHUF" or "📁 SHUF") is cleared and the play mode returns to normal play mode ("📁").

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".
- Even when file name has the ".mp3" file extension, if the actual file differs, playing this file may generate a loud noise which could damage the speaker system and the system 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 playback continues until another session is encountered.
- A disc with a mixed CD format is recognized as a CD-DA disc.

Listening to the radio

1 Select "TUNER FM" or "TUNER AM."

Press FUNCTION +/— repeatedly.

2 Perform tuning.

For automatic scanning

Press TUNING MODE repeatedly until "AUTO" appears, and then press +/— (or TUNE +/— on the unit). Scanning stops automatically when a station is tuned in, and "TUNED" and "ST" (for stereo programs only) appear.

TUNED   ST $F{-}M$ 87.50

If "TUNED" does not appear and the scanning does not stop, press ■ to stop scanning, then perform manual tuning (below).

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

For manual tuning

Press TUNING MODE repeatedly until "MANUAL" appears, and then press +/— (or TUNE +/— on the unit) repeatedly to tune in the desired station.

Tip

To reduce static noise on a weak FM stereo station, press FM MODE repeatedly until "MONO" appears to turn off stereo reception.

Presetting a radio station

Use buttons on the remote to preset stations.

1 Tune in the desired station.

2 Press TUNER MEMORY to select the tuner memory mode.

Preset number

TUNED   ST $MEMORY$ 1

3 Press +/— repeatedly to select the desired preset number.

If another station is already assigned to the selected preset number, the station is replaced by the new station.

4 Press ⊕ to store the station.

Operations

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.

Before using the "WALKMAN" and the USB device with this system

Check the websites below for the information about compatible "WALKMAN" models and USB devices. Do not use the unsupported "WALKMAN" models. Operation of unsupported models is not guaranteed.

For customers in Europe and Russia:
<http://support.sony-europe.com/>
For customers in Latin America:
<http://www.sony-latin.com/index.crp>

Notes

- When formatting the "WALKMAN" or the USB devices, be sure to format using the model itself or the dedicated formatting software for that model. Otherwise, you may be unable to transfer audio tracks or files to the "WALKMAN" or the USB device properly.
- Operation may not always be ensured even when using supported "WALKMAN" models or USB devices.
- Some of supported "WALKMAN" models or USB devices may not be available for purchase in certain areas.
- Before connecting a "WALKMAN" to this system, make sure that "Creating Library" or "Creating Database" no longer appears on the "WALKMAN" display.
- Do not remove the "WALKMAN" or the USB device during operations such as transferring or erasing audio files. Doing so may corrupt the data on the "WALKMAN" or the USB device or damage the "WALKMAN" or the USB device itself.
- Do not connect the system and the "WALKMAN" or the USB device through a USB hub.
- When the "WALKMAN" or the USB device is connected, the system reads all the files on the "WALKMAN" or the USB device. If there are many folders or files on the "WALKMAN" or the USB device, it may take a long time to finish reading process.

- With some connected "WALKMAN" models or USB devices, after an operation is performed, there may be a delay before it is performed by this system.
- Compatibility with all encoding/writing softwares, recording devices, and recording media cannot be guaranteed. Incompatible "WALKMAN" or USB device may produce noise or interrupted audio or may not play at all.
- This system cannot transfer music from a disc or play audio files on the "WALKMAN" or the USB device in the following cases.
  - When the number of audio files in a folder exceeds 150.
  - When the number of folders on a "WALKMAN" or a USB device exceeds 200.

These numbers may vary depending on the file and folder structure. Do not save other types of files or unnecessary folders on a "WALKMAN" or a USB device that has audio files.

- Do not use the unsupported "WALKMAN" models. Operation of unsupported models is not guaranteed.
- When USB cable connection is necessary, connect the USB cable supplied with the USB device to be connected. See the operation manual supplied with the USB device to be connected for details on the operation method.
- It may take about 10 seconds before "READING" appears depending on the type of USB device connected.

Operations

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To use the system as a battery charger

You can use the system as a battery charger for "WALKMAN" models and USB devices that have a rechargeable function when the system is on. The charging begins when the "WALKMAN" is connected to the WM-PORT or the USB device is connected to the ← (USB) port on the unit. The charging status appears in the "WALKMAN" or the USB device's display. For details, see the user's guide of your "WALKMAN" or USB device.

Note on charging the "WALKMAN" and the USB device with this system

You cannot use the system as a battery charger in the following cases.

— The CD player/"WALKMAN"/USB device power is turned off and the tuner function is selected. See "To improve tuner reception" (page 37).
— When the system is off.

Transferring music from a disc to a "WALKMAN" or a USB device

You can connect a "WALKMAN" or a USB device to the unit and transfer music from a disc to the "WALKMAN" or the USB device.
You can transfer music from a CD-DA disc or MP3 disc only.
The audio format of files transferred by this system is MP3.
The amount of free space required on the "WALKMAN" or the USB device is about 1 MB per minute when transferring music from a CD. Required free space may be larger when transferring music from an MP3 disc.

You can easily transfer all the music on a disc to a "WALKMAN" or a USB device (CD SYNC). You can also transfer a track or MP3 file that is currently being played back (REC1).

1 Connect the "WALKMAN" to the WM-PORT or the USB device to the ↤ (USB) port.

When transferring music to the "WALKMAN"

"WALKMAN"

○ ○
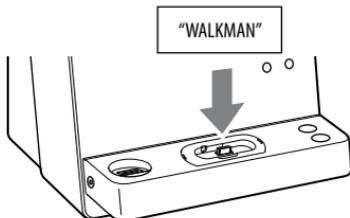
When transferring music to the USB device

USB device

○ ○
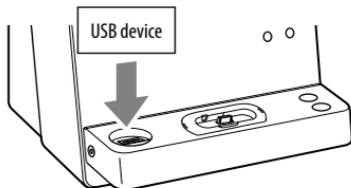
2 Select the CD function.
Press FUNCTION +/− repeatedly.

3 Insert a disc.

4 Set the "WALKMAN" or the USB device to stand by for transferring.

Synchronized transfer (CD SYNC):

Press REC TO WALKMAN or REC TO USB on the unit.

To transfer only your favourite CD tracks or MP3 files, create your own program beforehand (see "Creating your own program" (page 27)).

To transfer only MP3 files that are stored in a specific folder on the MP3 disc, press ⬚ +/− repeatedly to select the desired folder, before starting the transfer.

REC1:

Start playback of the track or MP3 file you want to transfer, then press REC TO WALKMAN or REC TO USB on the unit.

"REC" flashes, and the display cycles through "CD SYNC (or "REC1")," "FREExxxM" or "FREExxxG" (free space, in megabyte or gigabyte, on the "WALKMAN" or the USB device) and "PUSH ENTER."

The "WALKMAN" or the USB device stands by for transferring and the CD player pauses for play.

5 Start transferring.
Press ⊕ (or ENTER on the unit). Transferring starts.

When using CD SYNC

When the transfer is completed, access to the "WALKMAN" or the USB device and the CD player stop automatically.

When using REC1

When the transfer is completed, access to the "WALKMAN" or the USB device stops automatically and the CD player continues playback.

To select the memory on the USB device

If the USB device has more than one memory (for example, internal memory and a memory card), you can select which memory to read to and then start transferring.

1 Connect the USB device to the ⦓ (USB) port.

2 Select the USB function.
Press FUNCTION +/− repeatedly.

3 Press TOOL MENU in stop mode.
"USB SEL" appears. If an audio file or a folder is selected, "ERASE" appears instead. Press ⏮ /⏭ repeatedly to select "USB SEL."

4 Press ⊕ (or ENTER on the unit).
The name of a memory appears. The displayed name varies depending on the specifications of the USB device.

5 Press ⏮ /⏭ repeatedly to select the memory.
Proceed to step 6 if only one memory can be selected.
To cancel this operation, press ■.

6 Press ⊕ (or ENTER on the unit).

7 Start transferring by following steps 2 through 5 of "Transferring music from a disc to a "WALKMAN" or a USB device."

To stop transferring

Press ■.

To erase audio files or folders from the "WALKMAN" or the USB device

You can erase audio files or folders from the "WALKMAN" or the USB device. Note that you cannot erase audio files and folders on the USB device in shuffle play or program play mode.

1 Connect the "WALKMAN" or the USB device to the ⦓ (USB) port. When connecting the "WALKMAN," make sure to use the USB cable for WM-PORT supplied with the "WALKMAN" as shown below.
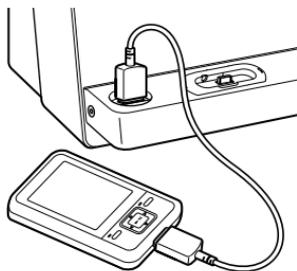
2 Select the USB function.
Press FUNCTION +/− repeatedly.

3 Press ⏮/⏭ or ▢ +/−
repeatedly to select the audio file or
folder you want to erase.

4 Press TOOL MENU (or USB ERASE on
the unit).
"ERASE" appears (only when using
the remote).

5 Press ⊕ (or ENTER on the unit).
"TRACK ERASE" or "FOLDER
ERASE" appears in the display.
To cancel the erase operation, press ■.

6 Press ⊕ (or ENTER on the unit).
The selected audio file or folder is
erased.

Tip
You can also erase audio files and folders from
the "WALKMAN" with the USB connection on
your computer. Refer to the operation manual
supplied with the "WALKMAN" for details on
the operation method.

Folder and file generation rules

When first transferring music to a
"WALKMAN" or a USB device, a
"MUSIC" folder is created directly below
the "ROOT."
Folders and files are generated within this
"MUSIC" folder as follows.

CD SYNC[1]

Music source	Folder name	File name
MP3	Same as the music source[2]	
CD-DA	"CDDA001"[3]	"TRACK001"[4]

REC1

Music source	Folder name	File name
MP3	"REC1"[5]	Same as the music source[2]
CD-DA		"TRACK001"[4]

[1] In Program Play mode, the folder name is
"PGM_xxx," and the file name depends on
the music source (CD-DA disc or MP3 disc).
[2] Up to 64 characters of the name are assigned.
[3] Folder numbers are assigned serially
thereafter up to the maximum 999 (including
the "ROOT" and "MUSIC" folders).
[4] File numbers are assigned serially thereafter.
[5] A new file is created in the "REC1" folder
each time REC1 is performed.

Notes on the "WALKMAN" and the USB device
• Do not connect the "WALKMAN" to the
unit while the "WALKMAN" is updating its
database.
• When transferring music from a CD, the
tracks are transferred as 128 kbps MP3 files.
When transferring music from an MP3 disc,
MP3 files are transferred with the same bit
rate as the original MP3 files.

Operations

- If you start transferring in shuffle play mode, repeat play mode or in program play mode (when no tracks or MP3 files are programmed), the selected play mode is automatically cancelled and the play mode switches to normal play mode.
- While transferring music from an MP3 disc, no sound is output and "HIGH-SPEED" appears.
- CD text information is not transferred in the created MP3 files.
- If you cancel the transfer partway, an MP3 file is created up to the point when the transfer was stopped.
- Transferring stops automatically if:
  - the "WALKMAN" or the USB device runs out of space during the transfer process.
  - the number of audio files on the "WALKMAN" or the USB device reaches the limit for the number that the system can recognize.
- If a folder or file that you are trying to transfer already exists on the "WALKMAN" or the USB device with the same name, a sequential number is added after the name without overwriting the original folder or file.

Note on the USB device
If the folder to be erased contains non-MP3/WMA/AAC format files or sub folders, these are not erased.

Playing a file of the "WALKMAN"

You can listen to music stored in your "WALKMAN."

1 Select the WM-PORT function.
Press FUNCTION +/− repeatedly.

2 Connect the "WALKMAN" to the WM-PORT.

"WALKMAN"

3 Start playback.
Press ▶ (or ▶ll on the unit).

Other operations

You can control your "WALKMAN" with the following buttons on the remote or unit.

To	Press
Pause playback	❚❚ (or ▶❚❚ on the unit).
Stop playback	■.
Skip to the next (previous) folder	⬆/⬇.
Select a track or chapter of audiobook/ podcast	⏮ /⏭. To fast-forward or fast-rewind, hold down the button.
Find a point in a track or chapter of audiobook/ podcast	Hold down ◀◀/▶▶ during playback, and release the button at the desired point.

Notes

- When connecting or disconnecting the "WALKMAN," handle the "WALKMAN" in the same angle as that of the connector of the WM-PORT and do not twist or sway the "WALKMAN" to prevent connector damage.
- Do not carry the unit with a "WALKMAN" set on the connector of the WM-PORT. Doing so may cause a malfunction.
- When connecting or disconnecting the "WALKMAN," brace the unit with one hand and take care not to press the controls of the "WALKMAN" by mistake.

- The WM-PORT on the unit is designed for "WALKMAN" models only. You cannot connect any other portable audio players.
- When operating a "WALKMAN" with the Bluetooth function, be sure to turn off the Bluetooth function before use.
- If you encounter problems (e.g., there is no sound), disconnect and reconnect the "WALKMAN."
- While using a "WALKMAN" with this system, no sound is output from the headphones jack of the "WALKMAN."
- If you use a "WALKMAN" with a built-in FM tuner, you may not be able to hear the FM broadcast, or reception may be lowered.
- To change volume level, use VOLUME +/−. The volume level does not change even if adjusted on the "WALKMAN."
- Make sure to stop the playback before disconnecting the "WALKMAN" from the unit.
- On this system, playback is guaranteed only for audio files created with the "Media Manager for WALKMAN" software.
- This system does not necessarily support all the functions provided by the connected "WALKMAN."

Playing a file of the USB device

You can listen to music stored in the USB device.

The audio formats that can be played back by this system are as follows: MP3*/WMA*/AAC*

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

1 Select the USB function.
Press FUNCTION +/− repeatedly.

2 Connect the USB device to the ⟷ (USB) port.
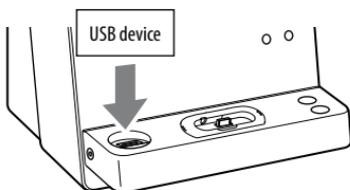
USB device

When the USB device is connected, the display changes as follows:
"READING" → "STORAGE DRIVE*"

* When connecting the USB device, the volume label is displayed next if recorded.

3 Start playback.
Press ► (or ►II on the unit).

Other operations

To	Press
Pause playback	II (or ►II on the unit). To resume play, press the button again.
Stop playback	■. To resume play, press ► (or ►II on the unit)*. To cancel resume play, press ■ again.
Select a folder	⬚ +/− repeatedly.
Select a file	I◄◄ /►►I.
Find a point in a file	Hold down ◄◄/►► during playback, and release the button at the desired point.
Select Repeat Play	REPEAT repeatedly until "REP" or "REP1" appears.

* When playing a VBR (variable bit rate) MP3/WMA file, the system may resume playback from a different point.

To change the play mode
Press PLAY MODE repeatedly while the USB device is stopped. You can select normal play ("⬚" for all files in the folder on the USB device), shuffle play ("SHUF" or "⬚ SHUF"), or program play ("PGM").

Note on shuffle play mode
When you turn off the system, the selected shuffle play mode ("SHUF" or "🗀 SHUF") is cleared and the play mode returns to normal play mode ("🗀").

Notes
- The following USB device/situations can increase the time it takes to start playback:
  — a USB device recorded with a complicated tree structure.
  — the memory capacity is excessive.
- The system can play back to a depth of 8 folders only.
- This system does not necessarily support all the functions provided in a connected USB device.
- Resume play is canceled when you turn off the system.
- The playback order for the system may differ from the order of the connected USB device.
- Folders that have no audio files are skipped.
- The file formats that this system can play are as follows:
  — MP3: file extension ".mp3"
  — WMA file: file extension ".wma"
  — AAC: file extension ".m4a"

  Note that even when file names have the above file extensions, if the actual files differ, playing these files may generate a loud noise which could damage the speaker system and the system may malfunction.

Creating your own program
(Program Play)

Use buttons on the remote to create your own program.

1 Select the desired function.

CD
Press FUNCTION +/− repeatedly to select the CD function.

USB
Press FUNCTION +/− repeatedly to select the USB function.

2 Select the play mode.
Press PLAY MODE repeatedly until "PGM" appears while the system is stopped.

3 Select the desired track or file number.
Press ◄◄ /►►| repeatedly until the desired track or file number appears. When programming MP3 files, press 🗀 +/− repeatedly to select the desired folder, and then select the desired file.

Selected track or file number

Total playing time of the selected track or file

27^{GB}
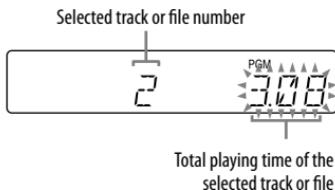
4 Program the selected track or file.

Press ⊕ to enter the selected track or file.

CD
"— —.— —" appears when the total program time exceeds 100 minutes for a CD or when you select an MP3 file.

USB
The total program time cannot be displayed, so "— —.— —" appears.

5 Repeat steps 3 through 4 to program additional tracks or files, up to a total of 25 tracks or files.

6 To play your program of tracks or files, press ▶.

The program remains available until you remove the disc or USB device. To play the same program again, press ▶.

To cancel Program Play
Press PLAY MODE repeatedly until "PGM" disappears while the system is stopped.

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

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

Using optional audio components

1 Prepare the sound source.
Connect additional audio component to the AUDIO IN jack on the unit using an audio analog cord (not supplied).

2 Turn down the volume.
Press VOLUME −.

3 Select the AUDIO IN function.
Press FUNCTION +/− repeatedly.

4 Start playback.
Start playback of the connected component and adjust its volume.

5 Adjust the volume.
Press VOLUME +/−.

Adjusting the sound

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

Operations

29^{GB}

Changing the display

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

[1] For example, you can view CD/MP3 disc information or the USB device 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.
  – total playing time while the player is stopped.
  – volume label if it exists on the disc or USB device.
[2] The STANDBY indicator 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 and remaining playing time for an MP3 disc and USB device.
  – remaining playing time for an MP3 file.
- The following are not displayed correctly:
  – elapsed playing time of an MP3 file encoded using VBR (variable bit rate).
  – 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:
  – total playing time for a CD-DA disc during normal play.
  – remaining playing time for a track.
  – remaining playing time of a current CD-DA disc during normal play.
  – ID3 tag information for MP3 files when ID3 version 1 and version 2 tags are used (ID3 version 2 tag information display has priority when both ID3 version 1 and version 2 tags are used for a single MP3 file).
  – up to 15 characters of ID3 tag, WMA tag and AAC tag information using uppercase letters (A to Z), numbers (0 to 9), and symbols (″ $ % ' ( ) * , – . / < = > @ [\ ] _ ` { | } ! ? ^).

Using the Timers

The system offers two timer functions. If you use the Play Timer with the Sleep Timer, the Sleep Timer has priority. Use buttons on the remote to use the timer functions.

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

Press SLEEP repeatedly.

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

Play Timer:
You can wake up to CD, tuner or USB device at a preset time.
Make sure you have set the clock.

1 Prepare the sound source.

Prepare the sound source, and then press VOLUME +/− to adjust the volume.
When you set the CD or USB device as the sound source, you can start the sound source from a specific track or file. See "Creating your own program" (page 27).
When you set the tuner band as the sound source, make sure to tune in a desired station or call up a desired preset station (page 17).

2 Select the timer set mode.
Press TIMER MENU.

3 Set the play timer.
Press ✦/✦ repeatedly to select "PLAY SET," and then press ⊕.
"ON TIME" appears, and the hour indication flashes.

4 Set the time to start playback.
Press ✦/✦ repeatedly to set the hour, and then press ⊕. The minute indication flashes. Use the procedure above to set the minutes.
"OFF TIME" appears and the hour indication flashes in the display.

5 Use the same procedure as in step 4 to set the time to stop playback.

6 Select the sound source.
Press ✦/✦ repeatedly until the desired sound source appears, and then press ⊕. The display shows the timer settings.

Operations

31^{GB}

7 Turn off the system.

Press I/(¹).

The system turns on 15 seconds before the preset time. If the system is on at the preset time, the Play Timer will not be activated. Do not operate the system from the time the system turns on until the playback starts.

To check the setting

1 Press TIMER MENU.

"SELECT" flashes in the display.

2 Press ⊕.

3 Press ✦/✦ repeatedly to select "PLAY SEL."

4 Press ⊕.

To cancel the timer

1 Press TIMER MENU.

"SELECT" flashes in the display.

2 Press ⊕.

3 Press ✦/✦ repeatedly to select "OFF."

4 Press ⊕.

To change the setting

Start over from step 1.

Tip

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

Additional Information

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 top or back of the system?
- Is the connector of WM-PORT short-circuited?

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

General

The system does not turn on.
- Is the power cord plugged in?

There is no sound.
- Are the + and — speaker cords short-circuited?
- Are you using only the supplied speakers?
- Is anything blocking the ventilation holes on the top or back of the system?

- The specified station may have temporarily stopped broadcast.

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.

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 outlet.
- 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.

33^{GB}

- Point the remote at the system's sensor.
- Move the remote closer to the system.

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 can increase the time it takes 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

The system does not eject the disc and "LOCKED" appears.
- Contact your Sony dealer or local authorized Sony service facility.

"WALKMAN"/USB device

The connected "WALKMAN" and/or USB device cannot be charged.
- Select a function other than tuner function or turn on the CD player/ "WALKMAN"/USB device power if you have turned off the CD player/ "WALKMAN"/USB device power

manually. See "To improve tuner reception" (page 37).
- You can use the system as a battery charger for the "WALKMAN" or the USB device only when the system is on.

You cannot start transferring to a "WALKMAN" or a USB device.
- The following problems may have occurred.
  - The "WALKMAN" or the USB device is full.
  - The number of files and folders on the "WALKMAN" or the USB device has reached the upper limit.
  - The "WALKMAN" or the USB device is write-protected.

Transferring is stopped before it is finished.
- You are using an unsupported device. Check the information on the websites about compatible "WALKMAN" models and USB devices (page 18).
- The "WALKMAN" or the USB device is not formatted correctly. Refer to the operation manual supplied with the "WALKMAN" or the USB device for how to format.

- Turn off the system and remove the USB device. If the USB device has a power switch, turn the USB device off and then on again after removing it from the system. Then perform transferring again.
- If the transfer and erase operations are repeated multiple times, the file structure within the USB device becomes fragmented. Refer to the USB device operation manual for how to deal with this problem. If the problem persists, contact your nearest Sony dealer.

Transferring music to a "WALKMAN" or a USB device results in an error.
- You are using an unsupported device. Check the information on the websites about compatible "WALKMAN" models and USB devices (page 18).
- Turn off the system and remove the USB device. If the USB device has a power switch, turn the USB device off and then on again after removing it from the system. Then perform transferring again.
- The "WALKMAN" or the USB device was disconnected or the power was turned off during the transfer process. Delete the partially-transferred file, and perform transferring again. If this does not fix the problem, the "WALKMAN" or the USB device may be broken. Refer to the operation manual supplied with the "WALKMAN" or the USB device for how to deal with this problem. If the problem persists, contact your nearest Sony dealer.

Files or folders on the USB device cannot be erased.
- Check if the USB device is write-protected.
- The USB device was disconnected or the power was turned off during the erase operation. Delete the partially-erased file. If this does not fix the problem, the USB device may

be broken. Refer to the USB device operation manual for how to deal with this problem. If the problem persists, contact your nearest Sony dealer.

Are you using a supported "WALKMAN" or USB device?
- If you connect an unsupported device, the following problems may occur. Check the information on the websites about compatible "WALKMAN" models and USB devices (page 18).
  - The "WALKMAN" or 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.
  - Transferring stops before it is finished.

There is no sound.
- The "WALKMAN" or the USB device is not connected correctly. Turn off the system, then reconnect the "WALKMAN" or the USB device.

Additional Information

There is noise, skipping, or distorted sound.

- Turn off the system, then reconnect the "WALKMAN" or the USB device.
- The music data itself contains noise, or the sound is distorted. Noise may have entered during the transfer process. Delete the file, and try transferring again.
- Turn down the volume.
- Set the sound mode of the "WALKMAN" to normal or flat-sound quality.

"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.

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 "WALKMAN" or the USB device again, as the data stored in the "WALKMAN" or 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 "WALKMAN" or the USB device is not recognized.

- Turn off the system and reconnect the "WALKMAN" or the USB device, then turn on the system.
- Check the information on the websites about compatible "WALKMAN" models and USB devices (page 18).
- The "WALKMAN" or the USB device does not work properly. Refer to the operation manual supplied with the "WALKMAN" or the USB device 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 "WALKMAN" or the USB device, then turn on the system.
- Check the information on the websites about compatible "WALKMAN" models and USB devices (page 18).
- Press ▶ (or ▶❚❚ on the unit) to start playback.

Play does not start from the first track.

- For the USB device, set the play mode to the normal play mode on this system. For the "WALKMAN," set the play mode to normal play mode using the function on the "WALKMAN."

Files cannot be played back (USB device only).

- The audio file does not have the extension ".mp3", ".wma" or ".m4a".
- The data is not stored in MP3/WMA/AAC format.
- USB storage device formatted with file systems other than FAT16 or FAT32 are unsupported.*
- If you use a 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 devices 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 "ST" 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 DISPLAY to display the clock.

3 While holding down ▶▶I, press I/⏻.
All the AM preset stations are erased. To reset the interval to the factory preset, repeat the procedure.

To improve tuner reception

Turn off the CD player/"WALKMAN"/USB device power by using the power management function. By default, the CD player/"WALKMAN"/USB device power is turned on.
Use buttons on the unit to turn off the CD player/"WALKMAN"/USB device power.

Additional Information

1 Press FUNCTION +/− repeatedly to select the CD function.

2 Press I/⏻ to turn off the system.

3 After "STANDBY" stops flashing, press DISPLAY to display the clock and then press I/⏻ while holding down ■.

"PWR MNG OFF" appears. With the CD player/"WALKMAN"/USB device power turned off, disc access time is increased. In addition, when the TUNER function is selected, power is not supplied to the "WALKMAN" and the USB device, so they are not recognized even if connected.
To turn on the CD player/ "WALKMAN"/USB device power, repeat the procedure until "PWR MNG ON" appears.

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 unit to its factory default settings.

1 Disconnect and reconnect the power cord, and then turn on the system.

2 Hold down ■ and ENTER, and press I/⏻.

All user-configured settings, such as preset radio stations, timer, and the clock, are deleted.

Messages

One of the following messages may appear or flash in the front panel display during operation.

CANNOT PLAY
You tried to play an unsupported file on the USB device.

COMPLETE
- The radio preset operation ended normally.
- The audio file or folder on the USB device has been erased.

DATA ERROR
You tried to play an unplayable file on the USB device.

DEVICE ERROR
The "WALKMAN" or the USB device could not be recognized or an unknown device is connected (page 35, 36).

DEVICE FULL
The "WALKMAN" or the USB device is full.

ERASE ERROR

Erase of audio files or folders on the USB device failed.

ERROR

- The "WALKMAN" or the USB device could not be recognized or an unknown device is connected (page 35, 36).
- Unknown trouble has occurred to the "WALKMAN" or the USB device when starting playback.

FATAL ERROR

The "WALKMAN" or the USB device has been disconnected while operations such as transferring, or erasing audio files or folders.

FOLDER FULL

The number of folders on the "WALKMAN" or the USB device has reached the maximum.

FULL

You tried to program more than 25 tracks or files (steps).

LOCKED

The system does not eject the disc. Contact your nearest Sony dealer.

NoDEVICE

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

NO DISC

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

NoMEMORY

The memory selected for playback or transfer has no memory media inserted in the USB device.

NO STEP

All of the programmed tracks or files have been erased.

NO TRACK

Playable file on the USB device is not loaded in the system.

NOT USED

You tried to perform a specific operation under conditions where that operation is prohibited.

NO SUPPORT

An unsupported USB device is connected.

OVER

You have reached the end of the disc while pressing ▶▶ during playback or pause.

PROTECTED

You tried to perform transferring or erase operation against a write-protected USB device.

PUSH STOP

- You have pressed PLAY MODE during playback.
- You have pressed the buttons whose operation is only possible when playback is stopped.

Additional Information

READING
- The system is reading information of the disc. Some buttons are not available.
- The system is recognizing the USB device.

REC ERROR
Transferring did not start, stopped partway, or otherwise could not be performed (page 35).

REMOVED
The USB device has been removed.

STORAGE DRIVE
A USB device is connected.

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

TRACK FULL
The number of files on the "WALKMAN" or the USB device has reached the maximum.

Display examples

Display	indicates
⸞	2 (two)
⎓	5 (five)
⎓	6 (six)
�ꓭ	8 (eight)
⎕	0 (zero)
Ꞧ	A
Ᏸ	B
Ꭰ	D
Ꮐ	G
Ⱨ	H
Ꮶ	K
ꓟ	M
⎕	O
ꓮ	Q
Ꞧ	R
⎓	S
ⱬ	Z
⎮	! or |
ʼʼ	"
⎓	$
ʺʺ	%
ʼ	,
`	.
ꓬ	?
ꓶ	@
⎯	^

40^{GB}

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
- 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 centre 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
- Completely disconnect the power cord (mains lead) from the wall outlet (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.
- AC power cord must be changed only at the qualified service shop.

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.

Additional Information

- 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 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

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):
    9 + 9 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 775 mV, impedance 22 kilohms

Outputs
PHONES (stereo mini jack):
    accepts headphones with an impedance 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
> WMA: 32 — 192 kbps, VBR
> AAC: 48 — 320 kbps

Sampling frequencies:
> MP3 (MPEG 1 Audio Layer-3):
> 32/44.1/48 kHz
> WMA: 44.1 kHz
> AAC: 44.1 kHz

← (USB) port:
> Maximum current:
> 500 mA

CD player section

System:
> Compact disc and digital audio
> system

Laser Diode Properties
> Emission Duration: Continuous
> Laser Output*: Less than 44.6μW
> *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

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)
> Other models:
> 530 — 1,710 kHz (10 kHz step)
> 531 — 1,710 kHz (9 kHz step)

Antenna: AM loop antenna
Intermediate frequency: 450 kHz

Speaker

Speaker system:
> Full-range, bass-reflex, 80 mm, cone
> type

Rated impedance: 4 ohms
Dimensions (w/h/d):
> Approx. 130 × 221 × 135 mm

Mass: Approx. 0.7 kg net per speaker

General

Power requirements
> European and Russian models: 230 V
> AC, 50/60 Hz
> Latin American models (except for
> Mexican model): 110 – 120 or 220
> – 240 V AC, 50/60 Hz, adjustable with
> voltage selector
> Mexican model: 120 V AC, 60 Hz

Power consumption: 28 watts
Dimensions (w/h/d) (excl. speakers):
> Approx. 200 × 221 × 205 mm

Mass (excl. speakers): Approx. 2.2 kg

Supplied accessories: Remote Commander
(1), R6 (Size AA) batteries (2), FM lead/AM
loop antenna (1), Oval attachments for
"WALKMAN" (2)

Design and specifications are subject to
change without notice.

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

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