

**SONY**<sup>®</sup>

4-140-444-12 (1)

# Micro HI-FI System

Operating Instructions

CMT-Z100iR

CMT-Z100DiR



## 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.

The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.

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.

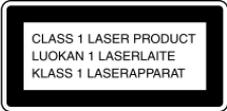
## WARNING

To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.

## 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**

- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
- 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.

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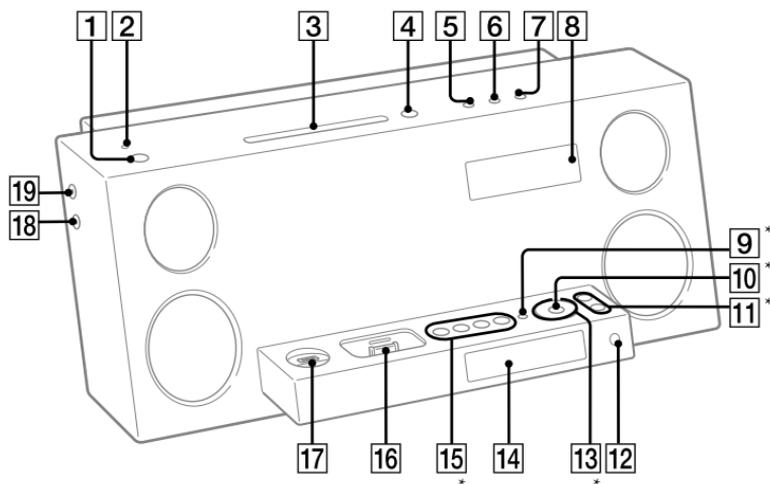
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# Guide to parts and controls

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.

## Main unit



\* Touch sensitive buttons

**1**  
**I/⏻ (power) button (page 15, 32, 35)**  
Press to turn on or off the system.

**2**  
**STANDBY indicator (page 32, 37)**  
Lights up when the system is turned off.

**3**  
**Disc slot (page 16)**

**4**  
**▲ (eject) button**  
Press to eject a disc.

**5**  
**DISPLAY button (page 15, 30, 32)**  
Press to change the information on the display.

**6**  
**DISPLAY MODE button (page 33)**  
Press to select the display mode.

**7**  
**DSGX button (page 31)**  
Press to select the sound effect.

**8**  
**Sub display**  
Function name, track number, volume level and clock are displayed.

**9**<sup>+</sup>  
**REC TO USB button (page 23, 27)**  
Press to transfer music from a disc or record the sound from an analog audio source to the connected USB device. Press to mark track numbers during recording.

**10**<sup>+</sup>  
**ENTER button (page 15, 19, 21, 24, 25, 27, 30, 35)**  
Press to enter the settings.

**11**<sup>+</sup>  
**VOLUME +/- button**  
Press to adjust the volume.

**12**  
**Remote sensor (page 37)**

**13\***

 +/- (select folder) button  
(page 16, 23, 25, 28, 29)  
Press to select a folder.

**TUNE +/- (tuning) button**  
(page 18)

Press to tune in the desired station.

 (go back/go forward)  
button (page 16, 21, 25, 28, 29)  
Press to select a track or file.

 (rewind/fast forward)  
button (page 16, 21, 28)  
Press to find a point in a track or file.

**14**

### Main display

Various status indicators (TUNED, REC, MP3, etc) and text information, such as track name and messages are displayed.

**15\***

**Playback buttons and function buttons**

 (play/pause) button  
(page 16, 20, 28)

Press to start or pause playback of a disc, optional USB device or iPod.

/CANCEL (stop/cancel) button  
(page 16, 18, 20, 23, 24, 25, 27, 28)

Press to stop playback of a disc or optional USB device.

Press to pause playback of an iPod.

**FUNCTION +/- button** (page 16, 18, 20, 23, 24, 25, 26, 28, 29, 31)

Press to select the function.

**16**

**iPod Dock** (page 14, 21)

Place an iPod into the iPod Dock to listen to audio contents stored in the iPod.

**17**

 (USB) port (page 23, 24, 25, 26, 28, 35)

Connect an optional USB device.

**18**

**AUDIO IN jack**

Connect an optional audio component.

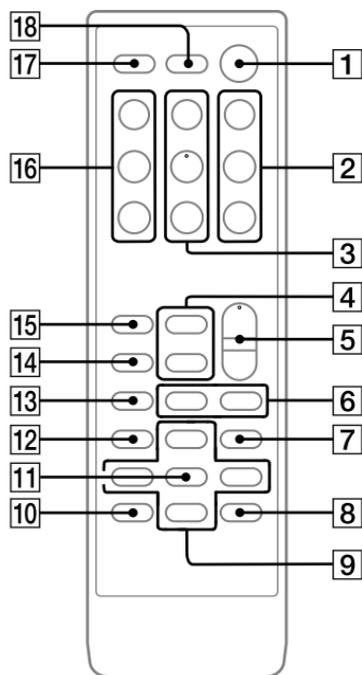
**19**

**PHONES jack**

Connect the headphones.

\* Operation using the touch sensitive button that beeps.

## Remote



- 1**  
**I/⏻** (power) button (page 15, 35)  
 Press to turn on or off the system.

- 2**  
**+** (tuning) button (page 18)  
 Press to tune in the desired station.

- ▶▶** (go forward) button  
 (page 16, 21, 25, 28, 29)  
 Press to select a track or file.

- ▶▶▶** (fast forward) button  
 (page 16, 21, 28)  
 Press to find a point in a track or file.

- 📁 +** (select folder) button  
 (page 16, 23, 25, 28, 29)  
 Press to select a folder.

- 3**  
 Playback buttons  
**⏸** (pause) button (page 16, 20, 28)  
 Press to pause playback.

- ▶** (play) button (page 20, 28, 30)  
 Press to start playback.

- (stop) button (page 16, 18, 20, 23, 24, 25, 27, 28)  
 Press to stop playback of a disc or optional USB device.  
 Press to pause playback of an iPod.

Continued

**4**

**FUNCTION +/- button** (page 16, 18, 20, 23, 24, 25, 26, 28, 29, 31)

Press to select the function.

**5**

**VOLUME +/- button**

Press to adjust the volume.

**6**

**DSGX button** (page 31)

**EQ button** (page 31)

Press to select the sound effect.

**7**

**TIMER MENU button** (page 15, 35)

Press to set the clock, the Play Timer and the Rec Timer.

**8**

**TOOL MENU button** (page 18, 21, 24, 25)

Press to start the DAB Automatic Scan.

Press to erase audio files and folders from the connected USB device.

Press to select which memory to read to if the USB device has more than one memory.

Press to select a menu when using the iPod.

**9**

**▲/▼/◀/▶ button** (page 15, 20, 21, 24, 35)

Press to select the menu items.

**10**

**RETURN button** (page 21)

Press to return to the previous menu when using the iPod.

**11**

**ENTER button** (page 15, 19, 21, 24, 25, 27, 30, 35)

Press to enter the settings.

**12**

**CLEAR button** (page 30)

Press to delete a pre-programmed track or file.

**13**

**TUNER MEMORY button** (page 19)

Press to preset the radio station.

**14**

**REPEAT/FM MODE button** (page 16, 18, 28)

Press to listen to a disc, a single track or file repeatedly.

Press to select the FM reception mode (monaural or stereo).

**15****PLAY MODE/TUNING MODE****button (page 17, 18, 28, 29, 30)**

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

Press to select the tuning mode.

**16****— (tuning) button (page 18)**

Press to tune in the desired station.

**⏮ (go back) button (page 16, 21, 25, 28, 29)**

Press to select a track or file.

**⏪ (rewind) button (page 16, 21, 28)**

Press to find a point in a track or file.

**📁 — (select folder) button (page 16, 23, 25, 28, 29)**

Press to select a folder.

**17****SLEEP button (page 34)**

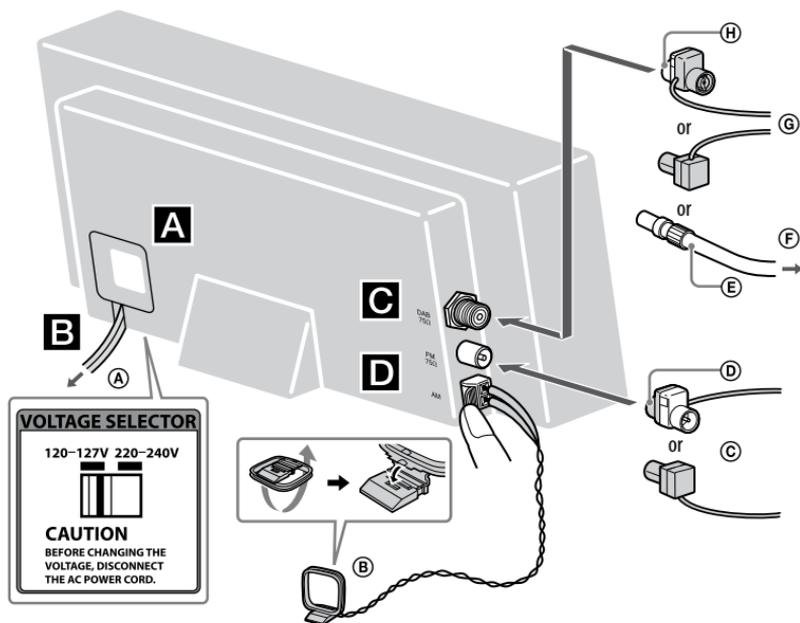
Press to set the Sleep Timer.

**18****DISPLAY button (page 15, 30, 32)**

Press to change the information on the display.

# Getting Started

## Hooking up the system securely



- (A) To wall outlet
- (B) AM loop antenna
- (C) FM lead antenna (Extend it horizontally.)
- (D) Connect brown side.
- (E) 75-ohm coaxial cable with F male type connector (not supplied) (CMT-Z100DiR only)
- (F) To DAB external antenna (not supplied) (CMT-Z100DiR only)
- (G) DAB lead antenna (Extend it horizontally.) (CMT-Z100DiR only)
- (H) Connect white side.

**A Voltage selector**

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

For Latin American model, set VOLTAGE SELECTOR to 120 – 127 V or 220 – 240 V.

**B Power**

Connect the power cord to a wall outlet. The demonstration appears in the main display. When you press I/⏻, the system turns on and the demonstration automatically ends.

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

**C DAB Antenna (CMT-Z100DiR only)**

With a DAB external antenna (not supplied), you can obtain higher DAB broadcast sound quality. We recommend that you use the supplied DAB lead antenna only temporarily until you install a DAB external antenna.

Before unplugging the DAB antenna, make sure the system is turned off to preserve your own DAB settings.

**D Antennas**

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

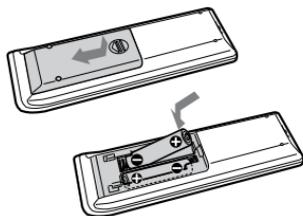
Keep the antennas away from the power cord and the USB cable to avoid picking up noise.

**Tip**

This system can be installed on the wall using the Wall-mount bracket SU-WL100 (not supplied). See “Installing the system on the wall” (page 50) to wall-mount the system.

**Inserting batteries**

Slide and remove the battery compartment lid, and insert the two supplied R3 (size AAA) batteries, ⚡ side first, matching the polarities shown below.

**Notes**

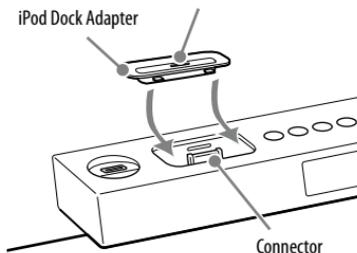
- With normal use, the batteries should last for about six months.
- Do not mix an old battery with a new one or mix different types of batteries.
- If you do not use the remote for a long period of time, remove the batteries to avoid damage from battery leakage and corrosion.
- Batteries installed devices shall not be exposed to excessive heat such as sunshine, fire or the like.

Continued

## Using the iPod

Insert an iPod Dock Adapter into the Dock before use. The iPod Dock Adapter is not supplied with the system. Use an iPod Dock Adapter supplied with your iPod. For details on the iPod Dock Adapter, refer to the user's guide of your iPod.

To remove the iPod Dock Adapter, pull it up with your fingernail or a flat object using the slot inside the adapter.



## Reception of DAB radio station (CMT-Z100DiR only)

When you turn on the system for the first time after you purchase the system, DAB Automatic Scan starts automatically and creates a list of available services. During the DAB Automatic Scan, “\*\*\*\*\*” appears. Do not press any button on the unit or the remote during DAB Automatic Scan. Scanning is interrupted and service list may not be created properly.

To run the DAB Automatic Scan manually, perform the procedure of “Running the DAB Automatic Scan manually” in “Listening to the radio” (page 18). If you have moved to another area, perform the DAB Automatic Scan manually and re-register the contents of broadcasts.

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## Setting the clock

Use buttons on the remote to set the clock.

- 1** Turn on the system.  
Press I/⏻.
- 2** Select the clock set mode.  
Press TIMER MENU.  
If “PLAY SET?” flashes, press ▲/▼ repeatedly to select “CLOCK SET?,” and then press ENTER.
- 3** Set the time.  
Press ▲/▼ repeatedly to set the hour, and then press ENTER.
- 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

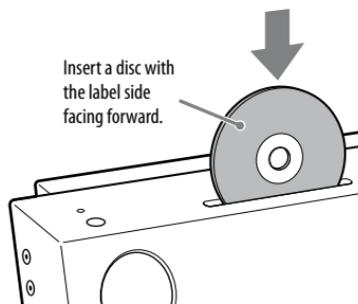
Press DISPLAY. The clock is displayed for about 8 seconds.

## 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.  
Playback starts automatically when you insert a disc in the disc slot.



#### 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.
- Do not place any object on the disc slot.

### 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.

### Notes on inserting/ejecting a disc

- If you insert or eject a disc, the system will automatically change to the CD function, even when other function was selected.
- You cannot eject a disc in the following cases.
  - When the music is being transferred or recorded to the USB device.
  - When erasing audio files or folders on the USB device.

### 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.

### Note on Repeat Play

“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 999 (including the root folder).
  - MP3 files that can be contained in a folder is 150.
  - MP3 files that can be contained on a single disc is 999.
  - 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

- This system can play a Multi Session CD when an MP3 file is contained in the first session. Any subsequent MP3 files recorded in later session can also be played back.
- If music CD format is recorded in the first session, only the first session will be played back.
- A disc with a mixed CD format is recognized as a CD-DA disc.

# Listening to the radio

Note that the DAB tuning is only available for CMT-Z100DiR.

- 1 Select “TUNER DAB”, “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 “STEREO” (for stereo programs only) appear.



When tuning in an FM or AM station, if “TUNED” does not appear and the scanning does not stop, press ■ to stop scanning, then perform manual tuning.

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

## For manual tuning (FM/AM band only)

Press TUNING MODE repeatedly until “AUTO” and “PRESET” disappear, and then press +/- (or TUNE +/- on the unit) repeatedly to tune in the desired station.

## Notes on DAB stations

- When tuning in a DAB station, it may take a few seconds before you hear any sound.
- Primary service is automatically received when secondary service ends.
- This tuner does not support data services.

## Tip

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

## Running the DAB Automatic Scan manually

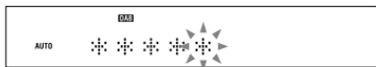
- 1 Select “TUNER DAB”.

Press FUNCTION +/- repeatedly.

- 2 Press TOOL MENU to start the DAB Automatic Scan.

“Auto Scan?” and “Push ENTER” appear.

- 3** Press ENTER to perform scanning. Scanning begins. The scanning progress is indicated by advancing asterisks (\*\*\*\*). Depending on the DAB services available in your area, scanning may take a few minutes.



When scanning is complete, a list of available services is created.

### Notes

- If your country or region does not support DAB broadcast, “No Service” appears.
- This procedure clears all previously stored presets.
- Before unplugging the DAB antenna, make sure the system is turned off to preserve your own DAB settings.

## 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.



- 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 ENTER to store the station.

- 5** Repeat steps 1 through 4 to store other stations.

You can preset up to 20 DAB, 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.

**Note on presetting DAB stations**

You can preset a DAB service only when it can be received.

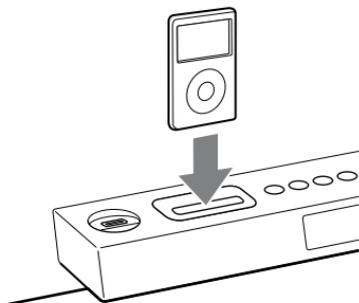
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## Playing the iPod

You can listen to music stored in your iPod.

See "Compatible iPod models with this system" (page 49) for iPod models that can be connected to this system.

- 1** Select the iPod function.  
Press FUNCTION +/- repeatedly.
- 2** Place the iPod.



- 3** Start playback.  
Press ► (or ►|| on the unit).

### Other operations

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

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To	Press
Pause playback	/■ (or ►   on the unit).
Scroll up/down the iPod menus	▲/▼. You can scroll up or down the iPod menus much like the Click Wheel operations of the iPod or the drag up-or-down operations of the iPod touch.

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To	Press
Select a track or chapter of audiobook/podcast	<b>⏮/⏭</b> . To fast-forward or fast-rewind, hold down the button.
Choose the selected item	<b>➡/ENTER</b> . You can choose the selected item much like the center button on the iPod or the touch operation of the iPod touch.
Find a point in a track or chapter of audiobook/podcast	Hold down <b>⏮/⏭</b> during playback, and release the button at the desired point.
Return to the previous menu or select a menu	<b>⏪/TOOL MENU/RETURN</b> . You can return to the previous menu or select a menu much like the Menu button on the iPod or the touch operation of the iPod touch.

## To use the system as a battery charger

You can use the system as a battery charger for the iPod when the system is on.

The charging begins when the iPod is placed on the iPod Dock. The charging status appears in the iPod display. For details, see the user's guide of your iPod.

## To stop charging the iPod

Remove the iPod.

### Notes

- When placing or removing the iPod, handle the iPod in the same angle as that of the iPod connector on the unit and do not twist or sway the iPod to prevent connector damage.
- Do not carry the unit with an iPod set on the connector. Doing so may cause a malfunction.
- When placing or removing the iPod, brace the unit with one hand and take care not to press the controls of the iPod by mistake.
- Before disconnecting the iPod, pause playback.
- To change the volume level, use **VOLUME +/-**. The volume level does not change even if adjusted on the iPod.
- The iPod Dock on the unit is designed for iPod only. You cannot connect any other portable audio players.
- To use an iPod, refer to the user's guide of your iPod.
- Sony cannot accept responsibility in the event that data recorded to iPod is lost or damaged when using an iPod with this system.

## Before using the USB device with this system

Check the websites below for information about compatible USB devices.

For customers in Europe:

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

For customers in Latin America:

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

### Notes

- 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.
- Do not remove the USB device during transfer, recording or erase operations. Doing so may corrupt the data on the USB device or damage the USB device itself.
- Do not connect the system and the USB device through a USB hub.

- When the USB device is inserted, 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.
  - When you press REC TO USB to perform transferring or recording, the system will carry out a reading process on the connected USB device again. Make sure to set the USB device to stand by in order to perform transferring or recording with proper timing.
  - With some connected USB devices, after an operation is performed, there may be a delay before it is performed by this system.
  - Compatibility with all encoding/writing software, recording devices, and recording media cannot be guaranteed. Incompatible USB device may produce noise or interrupted audio or may not play at all.
  - This system cannot transfer or record music from an audio source or play audio files on 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 USB device exceeds 1000.
    - When the number of files on a USB device exceeds 3000.
- These numbers may vary depending on the file and folder structure. Do not save other types of files or unnecessary folders on a USB device that has audio files.

## Transferring music from a disc to a USB device

You can connect an optional USB device to the  (USB) port on the unit and transfer music from a disc to the USB device.

You can transfer music from a CD-DA disc or MP3 disc only.

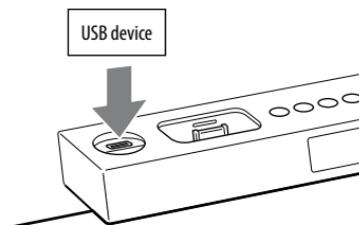
The audio format of files transferred by this system is MP3.

The amount of free space required on the 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 USB device (CD SYNC). You can also transfer a track or MP3 file that is currently being played back (REC1).

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



- 2 Select the CD function.  
Press FUNCTION +/- repeatedly.

- 3 Insert a disc.  
When the system automatically starts playback, press  to cancel playback.
- 4 Set the USB device to stand by for transferring.

### Synchronized transfer (CD SYNC):

Press 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 29)).

To transfer files stored in a specific folder on the MP3 disc, select normal play () and then 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 USB on the unit.

“REC” flashes, and the display cycles through “CD SYNC (or “REC1”),” “\*\*\*MB Free” or “\*\*\*GB Free” (free space on the USB device) and “Push ENTER.”

The USB device stands by for transferring.

Continued 

## 5 Start transferring.

Press ENTER.

Transferring starts.

### When using CD SYNC

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

### When using REC1

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

While transferring music, no sound is output and the display changes cyclically as follows:

“Don’t Remove” → “\*\*%”

(percentage transferred) → “Don’t

Remove” → “\*/\*\*” (number of source folders or files transferred / total number of folders or files)

## 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.

The total number of folders appears. If an audio file or a folder is selected, “Erase?” appears instead. Press TOOL MENU repeatedly to select “Mem Sel?”.

### 4 Press ENTER.

The memory number (“Memory 1?” through “Memory 5?”) appears. The displayed number varies depending on the connected 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 ENTER.

### 7 Start transferring by following steps 2 through 6 of “Transferring music from a disc to a USB device.”

## To stop transferring

Press ■.

## To erase audio files or folders from the USB device

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

### Note

Do not insert a disc during erase operation. If you do so, the system will automatically change to the CD function, and audio files or folders are deleted up to the point when the erase is stopped.

- 1 Connect the USB device to the  (USB) port.
- 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.  
“Erase?” appears.
- 5 Press ENTER.  
“Track Erase?” or “Folder Erase?” appears in the display.  
To cancel the erase operation, press .
- 6 Press ENTER.  
The selected audio file or folder is erased.

## Folder and file generation rules

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

### CD SYNC<sup>1)</sup>

Music source	Folder name	File name
MP3	Same as the music source <sup>2)</sup>	
CD-DA	“CDDA0001” <sup>3)</sup>	“TRACK001” <sup>4)</sup>

### REC1

Music source	Folder name	File name
MP3	“REC1-MP3” <sup>5)</sup>	Same as the music source <sup>2)</sup>
CD-DA	“REC1-CD” <sup>5)</sup>	“TRACK001” <sup>4)</sup>

<sup>1)</sup> In Program Play mode, the folder name is “PGM\_xxxx,” and the file name depends on the music source (CD-DA disc or MP3 disc).

<sup>2)</sup> Up to 64 characters of folder name and 60 characters of file name are assigned.

<sup>3)</sup> Folder numbers are assigned serially thereafter up to the maximum 1000 (including the “ROOT” and “MUSIC” folders).

<sup>4)</sup> File numbers are assigned serially thereafter up to the maximum 150.

<sup>5)</sup> A new file is created in the “REC1-MP3” or “REC1-CD” folder each time REC1 is performed.

## Notes

- 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.
- 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.
- CD text information is not transferred in the created MP3 files.
- If you cancel music being transferred from a CD-DA disc partway, an MP3 file is created up to the point when the transfer is stopped.
- If you cancel music being transferred from an MP3 disc partway, an incomplete MP3 file generated on the USB device will be deleted.
- Transferring stops automatically if:
  - the USB device runs out of space during the transfer process.
  - the number of files or folders on the USB device reaches the limit for the number that the system can recognize.
- If the folder to be erased contains non-MP3/WMA/AAC format files or sub folders, these are not erased.
- If a folder or file that you are trying to transfer already exists on the USB device with the same name, a sequential number is added after the name without overwriting the original folder or file.

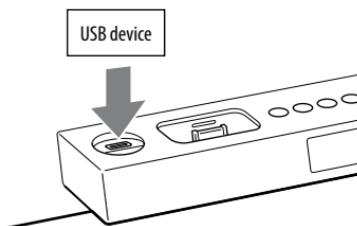
## Recording analog audio to a USB device

You can record the sound from the tuner and the optional component connected to the AUDIO IN jack. The sound is recorded as 128 kbps MP3 file. Note that the DAB tuning is only available for CMT-Z100DiR.

### Note

Do not insert a disc while recording. If you do so, the system will automatically change to the CD function, and an MP3 file is created up to the point when the recording is stopped.

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



- 2 Select the desired function.

### TUNER FM/AM/DAB

Press FUNCTION +/- repeatedly to select "TUNER FM", "TUNER AM" or "TUNER DAB."

### AUDIO

Press FUNCTION +/- repeatedly to select the AUDIO function.

### 3 Set the USB device to stand by for recording.

Press REC TO USB on the unit. “Please Wait” appears and the display cycles between “\*\*\*MB Free” or “\*\*\*GB Free” (free space on the USB device) and “Push ENTER.”

The USB device stands by for recording.

#### Note

It may take a while for the USB device to stand by for recording. Therefore, it is recommended that you allow for enough time to not miss any recording opportunity, especially when recording the source from a tuner.

### 4 Start recording.

Start playback of the source you want to record, then press ENTER. “REC” lights up and recording starts.

#### To stop recording

Press ■.

#### To mark track numbers

You can mark the track numbers during recording of any source.

Press REC TO USB on the unit at the point you want to add a track mark. The system pauses recording for a while and adds track mark, showing message “New Track.” No sound is recorded during pause time.

#### Note

The track numbers are automatically marked when you record more than 60 minutes.

### Folder and file generation rules

When first recording the analog audio to the USB device, a “MUSIC” folder is created directly below the “ROOT” folder.

Folders and files are generated within this “MUSIC” folder as follows.

Music source	Folder name	File name
Tuner	“TUFM0001”*, “TUAM0001”* or “TUDB0001”*	“TRACK001”*
AUDIO IN	“EXAU0001”*	“TRACK001”*

\* Folder and file numbers are assigned serially thereafter.

#### Note

Recording stops automatically when:

- you change the function.
- you change the band.
- you turn off the system.
- the USB device runs out of space during recording.
- the number of files or folders on the USB device reaches the limit for the number that the system can recognize.

## Playing a file of the USB device

You can listen to music stored in the USB device.

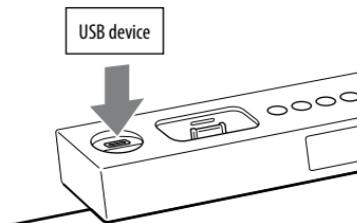
The audio formats that can be played back by this system are as follows:

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.



- 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	 . To resume playback, press  (or  on the unit)*. To cancel resume playback, press  again.
Select a folder	 +/- repeatedly.
Select a file	 /  .
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 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 (""), 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 playback to a depth of 8 folders only.
- Resume play is cancelled when you turn off the system or change the function.
- 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 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 extension “.wma”
  - AAC: file extension “.m4a”
  - MP4: file extension “.3gp” or “.mp4”

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

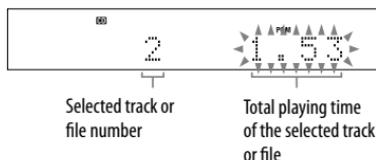
Press FUNCTION +/- repeatedly to select the USB function.

#### 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.



Continued 

#### **4** Program the selected track or file.

Press ENTER 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 the 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 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.
Set the sound effect	EQ repeatedly to select "BASS" or "TREBLE," and then press +/- repeatedly to adjust the level.

## Turning off the beep sound

You can turn off the beep sounds of the system.

“BEEP ON” is set by default.

Use buttons on the unit to perform the following procedure.

- 1 Turn on the system.  
Press I/⏻.
- 2 Hold down ■, then press DISPLAY MODE until “BEEP OFF” appears.

### To turn on the beep sound

Repeat the procedure, until “BEEP ON” appears.

## Changing the display

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

- <sup>1)</sup> For example, you can view 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.

You can also view DAB station information (CMT-Z100DiR only) such as the service name, channel label, preset number, frequency, DLS (Dynamic Label Segment), or ensemble label.

- <sup>2)</sup> The STANDBY indicator on the unit lights up when the system is off.

The system offers the following display options.

<b>Display option</b>	<b>When the system is off,</b>
Demonstration	The demonstration indicator is displayed.
Power Saving Mode	The display is turned off to conserve power. The timer and clock continue to operate.

### To change the display mode

The main and sub displays can be turned on and off.

The system offers the following display modes for combination of the main and sub displays.

Press **DISPLAY MODE** repeatedly to change the display mode.

The system offers the following display modes.

<b>Display mode</b>	<b>Combination of main and sub displays</b>
DISP MODE1 (default setting)	The main display is off.* The sub display is on.
DISP MODE2	The main display is on. The sub display is off.
DISP MODE3	Both displays are on.

\* For your convenience, even when the main display is turned off, the main display may automatically turn on under certain circumstances.

The following are examples:

- the main display is turned on for 8 seconds to confirm settings or mode status.
- the main display is turned on until your operation is completed, when you perform setting operations.

### 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:
  - elapsed playing time of a track.
  - 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 64 characters of ID3 tag information for MP3 files
  - up to 64 characters of WMA tag information for WMA files
  - up to 64 characters of AAC tag information for AAC files

#### **Note on the DAB display information (CMT-Z100DiR only)**

The following is also displayed; up to 8 characters of service name, up to 128 characters of DLS (Dynamic Label Segment) and up to 16 characters of ensemble label.

## Using the Timers

The system offers three timer functions. You cannot activate both the Play Timer and the Rec Timer at the same time. If you use either 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 to select the time you want.

#### **Play Timer:**

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

#### **Rec Timer:**

You can record a preset radio station at a specified time. Make sure you have set the clock.

### 1 Prepare the sound source.

#### **Play Timer**

Prepare the sound source, and then press VOLUME +/- to adjust the volume.

To start from a specific track or audio file, create your own program (page 29).

#### **Rec Timer**

Tune in the desired radio station or call up the desired preset station (page 18, 19).

- 2** Select the timer set mode.  
Press TIMER MENU.
- 3** Set the timer.  
Press  $\blacktriangle/\blacktriangledown$  repeatedly to select "PLAY SET?" or "REC SET?"; and then press ENTER.  
"ON" appears, and the hour indication flashes.
- 4** Set the time to start playback or recording.  
Press  $\blacktriangle/\blacktriangledown$  repeatedly to set the hour, and then press ENTER. The minute indication flashes. Use the procedure above to set the minutes.  
"OFF" 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 or recording.
- 6** Select the sound source when using the Play Timer, or prepare the USB device when using the Rec Timer.

**Play Timer**

Press  $\blacktriangle/\blacktriangledown$  repeatedly until the desired sound source appears, and then press ENTER. The display shows the timer settings.

**Rec Timer**

Connect the USB device to the  $\curvearrowright$  (USB) port.  
The display shows the timer settings.

- 7** Turn off the system.  
Press  $\text{I}/\text{O}$ .  
The system turns on before the preset time.  
If the system is on at the preset time, the Play Timer or the Rec Timer will not be activated. Do not operate the system from the time the system turns on until the playback or recording starts.

**To check the setting**

- 1** Press TIMER MENU.  
"TIMER SEL?" flashes in the display.
- 2** Press ENTER.
- 3** Press  $\blacktriangle/\blacktriangledown$  repeatedly to select "PLAY SEL?" or "REC SEL?."
- 4** Press ENTER.

**To cancel the timer**

- 1** Press TIMER MENU.  
"TIMER SEL?" flashes in the display.
- 2** Press ENTER.
- 3** Press  $\blacktriangle/\blacktriangledown$  repeatedly to select "TIMER OFF?."
- 4** Press ENTER.

## To change the setting

Start over from step 1.

### Notes for the iPod user

- Make sure the iPod is not playing when using the Play Timer.
- The Play Timer may not be activated depending on the status of the connected iPod.

### Notes

- The Play Timer or Rec Timer will not be activated if the system is turned on or if “STANDBY” flashes in the main display.
- The volume is reduced to minimum during the Rec Timer.

### Tips

- The Play Timer setting remains as long as the setting is not cancelled manually.
- The Rec Timer is cancelled automatically after the Rec Timer has been activated.

## Additional Information

### Troubleshooting

- 1 Make sure the power cord is 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?
- Is anything blocking the ventilation holes on the top or back of the system?
- Is the iPod connector 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 display starts flashing as soon as you plug in the power cord even though you have not turned on the system.**

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

**The system does not turn on.**

- Is the power cord plugged in?

**There is no sound.**

- Is anything blocking the ventilation holes on the top or back of the system?
- The specified station may have temporarily stopped broadcast.
- There is no audio output during Rec Timer.

**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.

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

**The color irregularity on a TV screen persists.**

- Turn off the TV set once, then turn it on after 15 to 30 minutes. If the color irregularity still persists, place the system farther away from the TV set.

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**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).
- 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 many folders

**The function automatically changed to the CD function when you inserted a disc.**

- This system will automatically change to the CD function when a disc is inserted.

**The system does not eject the disc and “LOCKED” appears.**

- Contact your Sony dealer or local authorized Sony service facility.

**The system does not eject the disc and “Not in Use” appears.**

- You cannot eject a disc in the following cases.
  - When the music is being transferred or recorded to the USB device.
  - When erasing audio files or folders on the USB device.

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**iPod****There is no sound.**

- Make sure the iPod is connected securely.
- Make sure the iPod is playing music.
- Adjust the volume.

**The sound is distorted.**

- Turn down the volume.
- Set the “EQ” setting of the iPod to “Off” or “Flat.”

**The remote does not function.**

- Make sure the iPod is updated with the latest software. If not, update the iPod before using with the system.

**The iPod cannot be charged.**

- Make sure the iPod is connected securely.
- You can use the system as a battery charger for iPod only when the system is on.

## USB device

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### **You cannot start transferring or recording to a USB device.**

- The following problems may have occurred.
  - The USB device is full.
  - The number of files and folders on the USB device has reached the upper limit.
  - The USB device is write-protected.

### **Transferring or recording is stopped before it is finished.**

- You are using an unsupported USB device. Check information on the websites about compatible USB devices that can be connected to this system (page 22).
- The USB device is not formatted correctly. Refer to the USB device operation manual 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 or recording again.
- If the transfer, recording 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, recording or erase operations stopped partway, and automatically changed to the CD function.**

- When a disc is inserted, this system will stop transferring, recording or erasing.

### **Transferring or recording music to a USB device results in an error.**

- You are using an unsupported USB device. Check information on the websites about compatible USB devices that can be connected to this system (page 22).
- 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 or recording again.
- The USB device was disconnected or the power was turned off during the transfer or recording process. Delete the partially-transferred file or partially-recorded file, and perform transferring or recording again. 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.

### **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 USB device?**

- If you connect an unsupported USB device, the following problems may occur. Check information on the websites about compatible USB devices that can be connected to this system (page 22).
  - 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 or recording stops before it is finished.

#### **“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.

#### **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 entered during the transfer or recording process. Delete the file, and try transferring or recording again.

#### **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.

**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.
- Check information on the websites about compatible USB devices that can be connected to this system (page 22).
- 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.
- Check information on the websites about compatible USB devices that can be connected to this system (page 22).
- Press  (or  on the unit) to start playback.

**Play does not start from the first track.**

- Set the play mode to Normal Play mode.

**Files cannot be played back.**

- The audio file does not have the extension “.mp3”, “.wma”, “.m4a”, “.3gp” or “.mp4.”
- The data is not stored in MP3/WMA/AAC format.
- USB storage device formatted with file systems other than FAT16 or FAT32 are unsupported.\*
- Playback is possible up to 8 levels.
- The number of folders has exceeded 1000.
- The number of files has exceeded 3000.

- 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.
- If you have moved to another area, some services/frequencies may have changed and you may not be able to tune into your usual broadcast. Perform the DAB Automatic Scan procedure to re-register the contents of broadcasts. (Performing this procedure clears all previously stored presets.)

## Tuner

### Severe hum or noise, or stations cannot be received. (“TUNED” or “STEREO” flashes in 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 power cord and the USB cable to avoid picking up noise.
- Turn off nearby electrical equipment.

### “TUNED” does not appear in the display (DAB only).

- Check all antenna connections, then perform the DAB Automatic Scan procedure (see “Reception of DAB radio station (CMT-Z100DiR only)” (page 14)).
- The current DAB service may not be available. Press +/- (or TUNE +/- on the unit) to select a different service.

### To change the AM tuning interval (Latin American model only)

The AM tuning interval is factory-preset to 9 kHz (or 10 kHz for some areas). Use buttons on the unit to change the AM tuning interval.

- 1 Tune in any AM station, and then turn off the system.
- 2 While holding down FUNCTION +, press I/⏻. 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 unit to its factory default settings.

- 1 Disconnect and reconnect the power cord, and then turn on the system.
- 2 Press DSGX and I/⏻ for about 3 seconds. 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 main display during operation.

### Can't Play

You tried to play a disc that this system cannot play.

### Complete!

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

### Data Error

You tried to play a file that is not playable.

### Device Full!

The USB device is full.

### Erase Error!

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

### Error

The USB device could not be recognized or an unknown device is connected (page 22).

### Fatal Error!

The USB device has been disconnected while transferring, recording, or erasing audio files or folders on the USB device.

### FLDR Full

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

### LOCKED

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

### No Device

The USB device is either not connected, stopped, or is having a problem.

### No Disc

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

### No Memory

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

### No Preset (DAB only)

There is no stored preset station.

### No Service (DAB only)

There is no supported DAB broadcast in your country or region.

**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 in Use**

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

**Not Supported**

An unsupported USB device is connected.

**Protected!**

You tried to perform transfer, recording 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.

**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 39).

**Step Full!**

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

**TIME NG!**

The on time and off time of Play Timer or Rec Timer is the same.

**Track FULL**

The number of files on the USB device has reached the maximum.

## 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 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 have become hot.
- Do not obstruct the ventilation holes.

### **On the speaker system**

The speaker system is magnetically shielded and can be installed near a TV. Color irregularity may still be observed, however on some types of TV screens. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the system 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

## Amplifier section

European model:

- DIN power output (rated):  
16 + 16 watts (8 ohms at 1 kHz, DIN)
- Continuous RMS power output (reference):  
20 + 20 watts (8 ohms at 1 kHz, 10% THD)
- Music power output (reference):  
20 + 20 watts (8 ohms at 1 kHz, 10% THD)

Latin American model:

- DIN power output (rated):  
16 + 16 watts (8 ohms at 1 kHz, DIN)
- Continuous RMS power output (reference):  
20 + 20 watts (8 ohms at 1 kHz, 10% THD)

## Inputs

AUDIO IN (stereo mini jack):  
Voltage 0.8 V, impedance 47 kilohms

## Outputs

PHONES (stereo mini jack):  
accepts headphones with an impedance of 8 ohms or more

## USB section

Supported bit rate:

- MP3 (MPEG 1 Audio Layer-3):  
32 – 320 kbps, VBR
- WMA: 48 – 192 kbps
- 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 1000 $\mu$ 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

## Tuner section

DAB tuner section (CMT-Z100DiR only):

Frequency range\*

Band-III:

174.928 (5A) – 239.200 (13F) MHz

\* For details, see "DAB frequency table" (page 48).

Antenna: DAB lead antenna

Antenna terminal: 75 ohms, F female

## DAB frequency table (Band-III)

Frequency	Label	Frequency	Label
174.928 MHz	5A	209.936 MHz	10A
176.640 MHz	5B	211.648 MHz	10B
178.352 MHz	5C	213.360 MHz	10C
180.064 MHz	5D	215.072 MHz	10D
181.936 MHz	6A	216.928 MHz	11A
183.648 MHz	6B	218.640 MHz	11B
185.360 MHz	6C	220.352 MHz	11C
187.072 MHz	6D	222.064 MHz	11D
188.928 MHz	7A	223.936 MHz	12A
190.640 MHz	7B	225.648 MHz	12B
192.352 MHz	7C	227.360 MHz	12C
194.064 MHz	7D	229.072 MHz	12D
195.936 MHz	8A	230.784 MHz	13A
197.648 MHz	8B	232.496 MHz	13B
199.360 MHz	8C	234.208 MHz	13C
201.072 MHz	8D	235.776 MHz	13D
202.928 MHz	9A	237.488 MHz	13E
204.640 MHz	9B	239.200 MHz	13F
206.352 MHz	9C		
208.064 MHz	9D		

\* Frequencies are displayed to two decimal places on this system.

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 model:

531 – 1,602 kHz (9 kHz step)

Latin American model:

530 – 1,710 kHz (10 kHz step)

531 – 1,710 kHz (9 kHz step)

Antenna: AM loop antenna

Intermediate frequency: 450 kHz

## Speaker section

Speaker system:

2-way, bass-reflex type

Speaker units:

Woofer: 100 mm, flat type,  
magnetically shielded

Tweeter: 20 mm, soft dome type

Rated impedance: 8 ohms

## General

Power requirements:

European model: 220 – 240 V AC,  
50/60 Hz

Latin American model: 120 – 127 or  
220 – 240 V AC, 50/60 Hz, adjustable  
with voltage selector

Power consumption: 30 watts

Dimensions (w/h/d):

Approx. 535 × 220 × 198 mm

Mass: Approx. 5.7 kg

Supplied accessories:

Remote Commander (1), R3 (Size  
AAA) batteries (2), FM lead antenna  
(1), AM loop antenna (1), DAB lead  
antenna (1) (CMT-Z100DiR only)

Optional accessories:

Wall-mount bracket SU-WL100

Design and specifications are subject to  
change without notice.

- Standby power consumption: 0.5 W
- Halogenated flame retardants are not used in the certain printed wiring boards.

## Compatible iPod models with this system

You can use the following iPod models on this system. Update your iPod with the latest software before using it.



iPod touch 2nd generation



iPod nano 4th generation (video)



iPod touch 1st generation



iPod nano 3rd generation (video)



iPod classic



iPod nano 2nd generation (aluminum)



iPod 5th generation (video)



iPod nano 1st generation



iPod 4th generation (color display)



iPod 4th generation



iPod mini

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## Installing the system on the wall

This system can be installed on the wall using the Wall-mount bracket SU-WL100 (not supplied).

### **To Customers**

Sufficient expertise is required for installing this product. Be sure to subcontract the installation to Sony dealers or licensed contractors and pay special attention to safety during the installation. Sony is not liable for any damage or injury caused by mishandling or improper installation, or installing any other than the specified product. Your Statutory Rights (if any) are not affected.

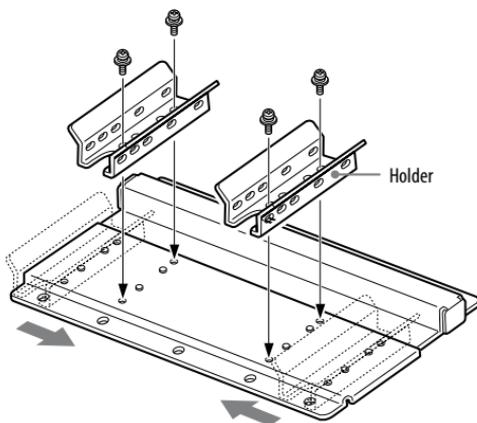
### **To Sony Dealers**

The following instructions are for Sony Dealers only. Be sure to read safety precautions and pay special attention to safety during the installation, maintenance and checking this product.

### **Before installing the system on the wall**

- Make sure that the wall is strong enough to support the wall mounting. The wall should be able to support the weight of at least 20 times that of this system. See “Specifications” (page 47) for the weight of this system.
- Make sure that the power cord is disconnected from the wall outlet.
- Make sure that the screws remain securely tightened during the assembly process, to keep the system from falling or causing an accident.

- 1 Adjust the position of the holders of the Base Plate.
  - 1 Remove the screws that secure the left and right holders to the Base Plate and move the holders to the inner position.
  - 2 Firmly secure each holder using the screws removed in the previous procedure
    - 1.

**Note**

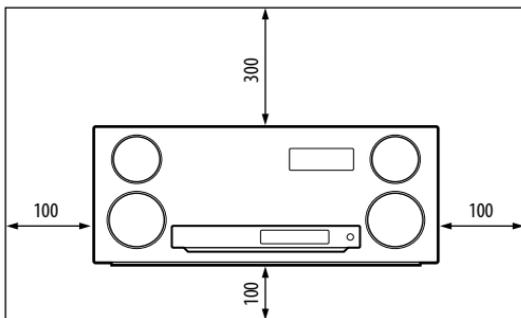
When using an electric screwdriver, set the torque setting to approximately 1.5 N·m (15 kgf·cm).

Continued

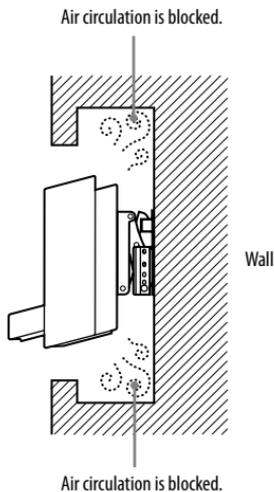
- 2** See “System installation dimensions diagram” (page 58), to determine the installation location.

Allow for suitable clearance between the system, ceiling and any protruding wall parts as shown below.

Unit: mm



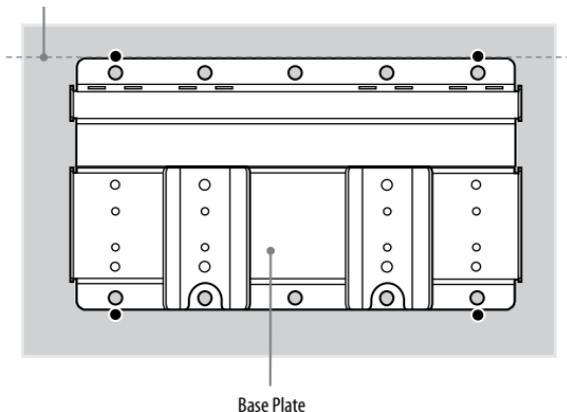
Never install the system set as shown below:



### 3 Secure the Base Plate to the wall using 4 or more 6 mm diameter or equivalent screws (not supplied).

Select 4 screw holes with the ● mark shown in the diagram below and tighten the screws securely so that they will not become loose.

Secure the Base Plate so that it is level.



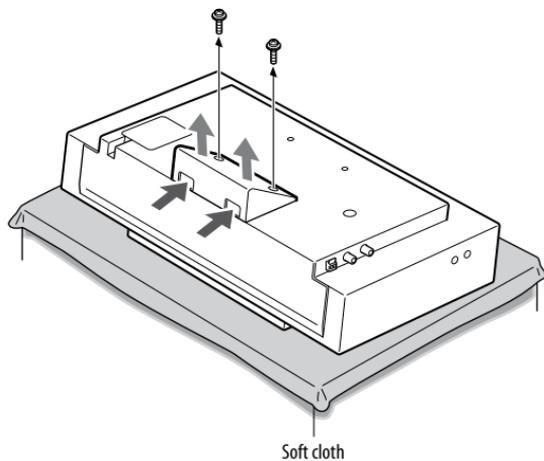
#### WARNING

- The screws required for this procedure are not supplied. Select screws suitable for the material and structure of the wall.
- If the Base Plate cannot be attached securely enough, use additional screws.
- Be sure to confirm that the Base Plate is securely attached to the wall.

Continued 

#### 4 Detach the stand from the system.

- 1 Remove the 2 screws that secure the stand from the system.
- 2 Push the 2 tabs located on the bottom of the stand, and pull up the stand to detach from the system.

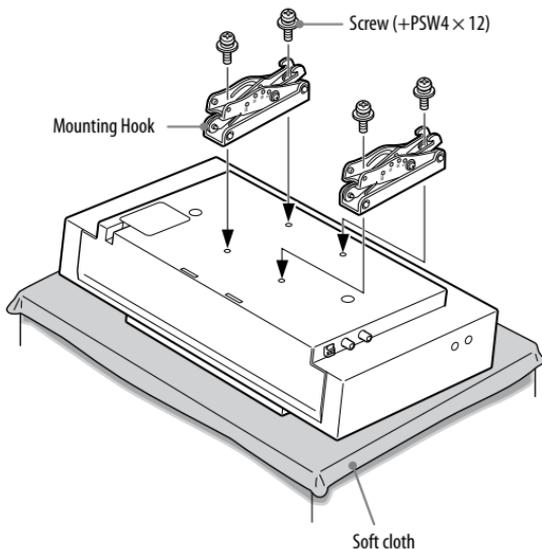


#### Note

Do not remove the stand for any reason other than to wall-mount the system.

## 5 Secure the two Mounting Hook to the rear of the system.

- 1 Secure the Mounting Hook to the rear of the system temporarily, using the 4 screws (+PSW4 × 12) supplied with the Wall-mount bracket SU-WL100.
- 2 Be sure that screws are tightened securely with equal torque strength to the rear of the system.



### CAUTION

- Be sure not to use any screws other than the ones supplied (+PSW4 × 12) when securing the Mounting Hook.
- Make sure that the Mounting Hook angle is set at 0 degrees, and install the system parallel to the wall. Do not adjust the Mounting Hook angle.

## 6 Connect the connecting cable(s) to the system.

Connect the connecting cable(s) to the connectors on the system. For details on connecting cable(s), see “Hooking up the system securely” (page 12).

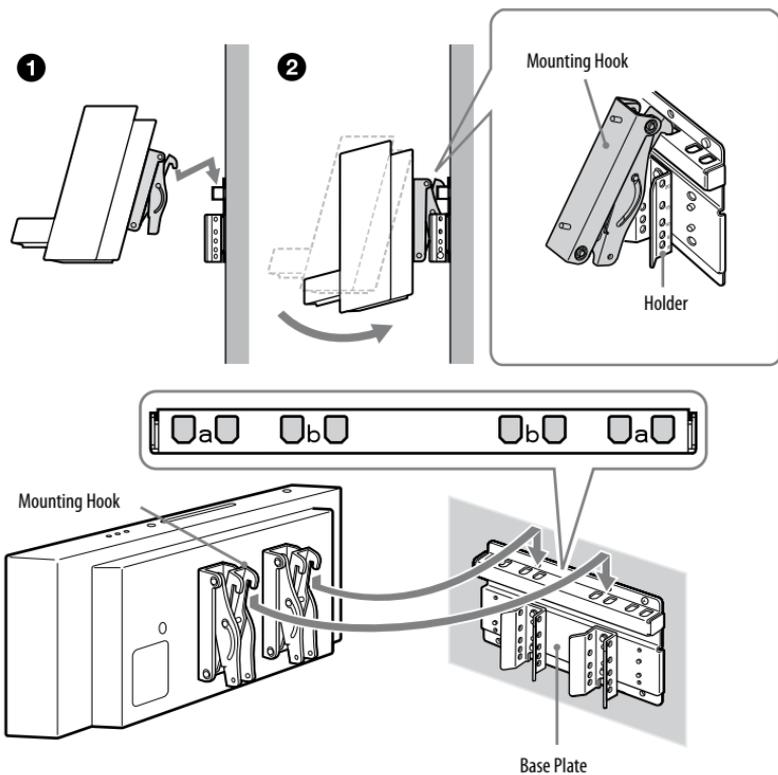
### WARNING

Be careful not to stumble over the power cord or connecting cable(s), as you may hurt yourself.

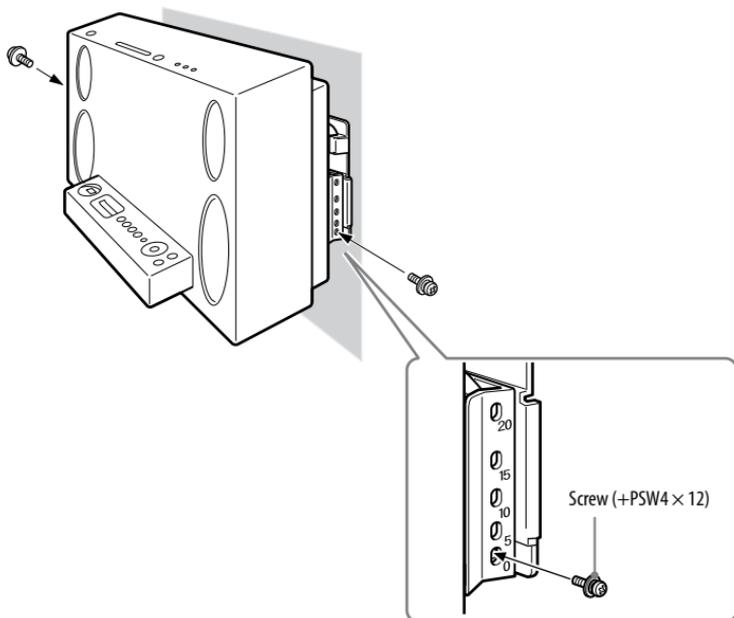
Continued 

## 7 Install the system onto the Base Plate.

- 1 Determine the holes of the Base Plate for latching the upper hooks of the Mounting Hook.
- 2 Hold the system securely with both hands, and gently align it on the wall.



- 8** Firmly secure the system and the Base Plate, using the 2 screws (+PSW4 × 12) supplied with the Wall-mount bracket SU-WL100.  
Secure the screws to the angle mark 0.

**Note**

When using an electric screwdriver, set the torque setting to approximately 1.5 N·m (15 kgf·cm).

**WARNING**

Be sure to tighten both left and right securing screws firmly. If you fail to do so, the system may fall when it is pushed upward and cause injury.

Continued

## 9 Confirm the completion of the installation.

### Check the following points.

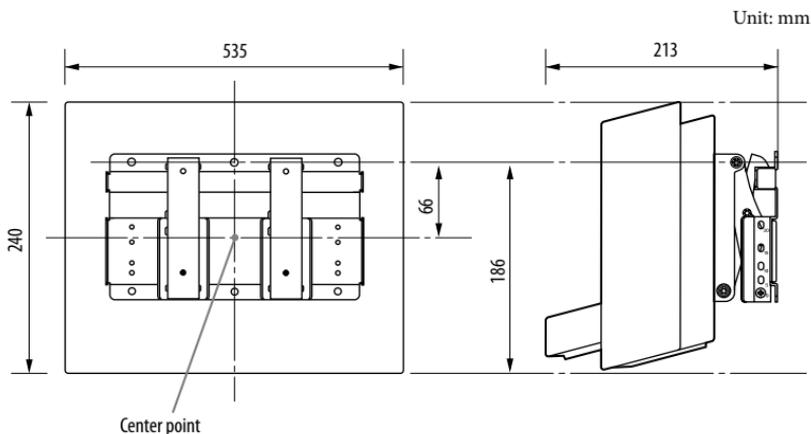
- The hooks of the Mounting Hook are firmly latched in the holes of the Base Plate.
- The power cord is not twisted or pinched.
- The 2 screws that secure the Mounting Hook and the Base Plate are securely tightened.

### WARNING

Do not adjust the angle of the Mounting Hook when the system is installed on the wall and be sure to install completely. It may cause the product to fall and result in injury or product damage. Also, improper placement of the power cord, etc., may cause fire or electric shock through a short circuit. Be sure to confirm the completion of the installation for safety.

## System installation dimensions diagram

The diagram below shows the dimensions of the system that is mounted on the Wall-mount bracket SU-WL100. Refer to the diagram below to determine the installation location.

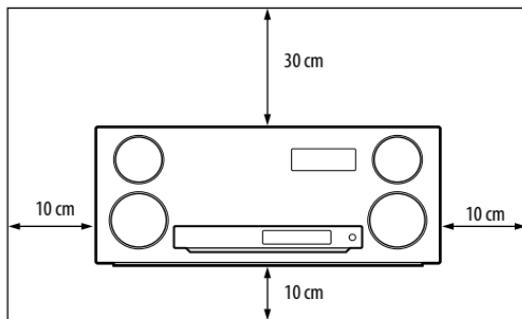


Figures in the above diagram may differ slightly depending on the installation.

## Safety information

- Only qualified service personnel should carry out wall installations.
- For safety reasons, it is strongly recommended that you use Sony accessories, including:
  - Wall-mount bracket SU-WL100
- It is strongly recommended that you use a Sony Wall-mount bracket in order to provide adequate air-circulation.

Leave at least this space around the system.



- Do not install the system as shown below.

