For the customers in the USA

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

Model No. __________________________
Serial No. __________________________

WARNING

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

To reduce the risk of fire, do not cover the ventilation opening of the appliance with newspapers, tablecloths, curtains, etc.
Do not expose the appliance to naked flame sources (for example, lighted candles).
To reduce the risk of fire or electric shock, do not expose this appliance to dripping or splashing, and do not place objects filled with liquids, such as vases, on the appliance.
As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.
Do not expose batteries or appliances with battery-installed to excessive heat, such as sunshine and fire.
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.
Indoor use only.

CAUTION

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

This appliance is classified as a CLASS 1 LASER product under IEC 60825-1:2007. This marking is located on the rear exterior.

FOR UNITED STATES CUSTOMERS. NOT APPLICABLE IN CANADA, INCLUDING IN THE PROVINCE OF QUEBEC.

POUR LES CONSOMMATEURS AUX ÉTATS-UNIS. NON APPLICABLE AU CANADA, Y COMPRIS LA PROVINCE DE QUÉBEC.

For the customers in the USA

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

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

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.
CAUTION
You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Properly shielded and grounded cables and connectors must be used for connection to host computers and/or peripherals in order to meet FCC emission limits.

This equipment must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person’s body.

Compliance with FCC requirement 15.407(c)
Data transmission is always initiated by software, which is the passed down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets are initiated by the MAC. These are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets is being transmitted. In other words, this device automatically discontinue transmission in case of either absence of information to transmit or operational failure.

Frequency Tolerance: ±20 ppm

For the customers in Canada
Properly shielded and grounded cables and connectors must be used for connection to host computers and/or peripherals.

This device complies with Industry Canada’s licence-exempt RSSs. Operation is subject to the following two conditions:
(1) This device may not cause interference; and
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person’s body.

5.15 GHz – 5.35 GHz band is restricted to indoor operations only.

High-power radars are allocated as primary users (i.e. priority users) of the bands 5,250 MHz – 5,350 MHz and 5,650MHz – 5,850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

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• This product incorporates Spotify software which is subject to 3rd party licenses found here: https://developer.spotify.com/esdk-third-party-licenses/
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About this manual

• This manual mainly explains operations using the remote control, but the same operations can also be performed using the keys on the touch panel of the unit having the same or similar names.
• Icons, such as [CD], listed at the top of each explanation indicate the type of media that can be used with the function being explained.
• Some illustrations are presented as conceptual drawings, and may be different from the actual products.
• The text enclosed in double quotation mark (“--”) appears on the display.
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Unpacking

- This unit (MHC-V77W) (1)
- Remote control (1)
- R03 (size AAA) batteries (2)
- FM lead antenna (1)
- AC power cord (mains lead) (1)

**Note**
When unpacking the carton, be sure that two people handle the unit. Dropping the unit may cause personal injury and/or property damage.

Playable discs or files on discs/USB device

**Playable discs**
- AUDIO CD
- CD-R/CD-RW in AUDIO CD format

**Playable files on discs**
- MP3 files (.mp3)*1*2

**Playable files on USB device**
- MP3 files (.mp3)*1*2, WMA files (.wma)*2, AAC files (.m4a/.mp4/.3gp)*2, WAV files (.wav)*2, AIFF files (.aiff)*2, FLAC files (.flac)*2, ALAC files (.alac)*2, DSD (.dsf/.dsdiff)*2

**Note**
- The CD-ROM/-R/-RW must be in DATA CD format that contains the MP3*1*2 files, and conforms to ISO 9660*3 Level 1/Level 2 or Joliet (extended format).
- The system will attempt to play back any data with the extensions above, even if it is not in the supported format. Playing this data may generate a loud noise which could damage your speaker system.

**Discs/files that cannot be played back**

- You cannot play back the following discs
  - CD-ROMs recorded in PHOTO CD format
  - Data part of CD-Extra or Mixed Mode CDs*
  - CD Graphics disc
  - Super Audio CDs
  - DATA CD that is created in Packet Write format
  - DATA CD which has not been correctly finalized
  - A disc that has a non-standard shape (e.g., heart, square, star)
  - A disc that has adhesive tape, paper, or a sticker attached to it

- You cannot play back the following files
  - A WMA file in WMA DRM, WMA Lossless, or WMA PRO format.
  - An AAC file in AAC DRM or AAC Lossless format.
  - The AAC files which is encoded at 96 kHz.
  - Files that are encrypted or protected by passwords.
  - Files with DRM (Digital Rights Management) copyright protection.
- The MP3 PRO audio file can be played back as MP3 file.

*1 MP3 (MPEG 1 Audio Layer 3) is a standard format defined by ISO/MPEG for compressed audio data. MP3 files must be in MPEG 1 Audio Layer 3 format.
*2 Files with copyright protection (Digital Rights Management) cannot be played back by the system.
*3 A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).
* Mixed Mode CD: This format records data on the first track and audio (AUDIO CD data) on the second and subsequent tracks of a session.

**Notes on CD-R/-RW**
In some cases, a CD-R/-RW cannot be played back on this system due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software. For more information, refer to the operating instructions of the recording device.

**Notes on discs**
- This product is designed to play back discs that conform to the Compact Disc (CD) standard.
- DualDisc and some music discs encoded with copyright protection technologies do not conform to the CD standard. Therefore, these discs may not be compatible with this product.

**Note on multisession disc**
- This system can play back multisession discs when an MP3 file is contained in the first session. Any subsequent MP3 files recorded in later sessions can also be played back (If later sessions contain AUDIO CD format, the system cannot play back this multisession discs).
- If the first session is recorded in AUDIO CD format, only the first session will be played back.

**Notes on playable files**
- Playback may take a longer time to start when:
  - a DATA CD/USB device is recorded with a complicated tree structure.
  - the audio files in another folder have just been played back.
- The system can play back a DATA CD in the following conditions:
  - up to a depth of 8 folders
  - up to 300 folders
  - up to 999 files in a disc
  - up to 650 files in a folder
  - The system can play back audio files on a USB device in the following conditions:
    - up to a depth of 8 folders
    - up to 998 files and sub-folders in a folder
  - These numbers may vary depending on the file or folder configuration.
  - Folders that have no audio files are skipped.
  - Files transferred by a device such as a computer may not be played back in the order in which they were transferred.
  - The playback order may not be applicable depending on the software used for creating the audio file.
  - Compatibility with all encoding/writing software of the supported formats, recording devices, and recording media cannot be guaranteed.
Notes about USB devices
• This system is not guaranteed to operate with all USB devices.
• Although there are a variety of complex functions for USB devices, the playable contents of USB devices connected to the system are music contents only. For details, refer to the operating instructions of the USB device.
• When a 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.
• Do not connect the system and the USB device through a USB hub.
• With some connected USB devices, there may be a delay before an operation is performed by this system.
• The playback order for the system may differ from the playback order of the connected USB device.
• Before using a USB device, make sure that no virus-ridden files are on the USB device.

Websites for compatible devices
Check the websites below for the latest information about compatible USB and BLUETOOTH devices.
For customers in the United States: <https://esupport.sony.com/US/>
For customers in Canada: <http://esupport.sony.com/CA/>

Compatible iPhone/iPod models
The compatible iPhone/iPod models are as follows. Update your iPhone/iPod with the latest software before using with the system.
BLUETOOTH technology works with:
• iPhone 7 Plus
• iPhone 7
• iPhone SE
• iPhone 6s Plus
• iPhone 6s
• iPhone 6 Plus
• iPhone 6
• iPhone 5s
• iPhone 5c
• iPhone 5
• iPhone 4s
• iPod touch (6th generation)
• iPod touch (5th generation)
Guide to parts and controls

You can lock the keys except (power) on the unit to prevent them from being operated by mistake (page 47).

Unit

Top

Front

Slot
1 Power indicator
Indicates the current status of the system:
• Lights off: The system is in standby mode and BLUETOOTH/Network standby mode is set to off.
• Lights up:
  — Orange: The system is in standby mode and BLUETOOTH/Network standby mode is set to on.
  — Green: The system is turned on.
• Flashes:
  — Green: The system is in the midst of turning on or entering standby mode.
  — Red: The system detects an abnormality that cannot be displayed with an error message.

2 (power) button
Press to turn on the system, or set it to standby mode.

3 ► (play) key
Touch to start playback. Touch and hold ► for more than 2 seconds, the built-in sound demonstration will be played back. Touch ■ to stop the demonstration.

4 GESTURE ON/OFF key (page 36, 37, 38)

5 BLUETOOTH indicator (page 27)
BLUETOOTH key
Touch to select the BLUETOOTH function.

PAIRING key
Touch and hold to activate BLUETOOTH pairing during the BLUETOOTH function.

6 NETWORK indicator
Indicates the current status of the system:
• Lights off: The system is in standby mode.
• Lights up:
  — White: The network connection is established.
  — Green: The system is connected to a music service via Spotify.
  — Blue: The system is connected to a music service via Chromecast built-in.
• Flashes in white: While connecting to network.

NETWORK key
Touch to select NETWORK function.

7 STEREO PAIR key
Touch to use the Wireless Stereo function for combining two systems.
SET UP key
Touch and hold to use the Wireless Stereo function for two speaker systems.

Display

Party Light (page 46)
Do not look directly at the light-emitting part when the Party Light is turned on.

GESTURE CONTROL sensor (page 36, 38, 47)

FUNCTION key
Touch to select a function.

FIESTA indicator (page 38)
Lights up when FIESTA sound effect is selected.

FIESTA key (page 38)

MEGA BASS key (page 38)

SOUND FIELD key (page 38)

PARTY CHAIN key (page 44)

PARTY LIGHT key (page 20, 46)

MIC LEVEL +/- key (page 45)

VOLUME +/- key
Touch to adjust the volume.

_Select folder_ key
Touch to select a folder on a data disc or a USB device.

___/___ (go backward/go forward) key
Touch to select a track or file.

TUNING +/- key (page 26)

(open/close) key
Touch to open or close the disc tray.

Direct function key (CD, USB, FM, AUDIO IN, BLUETOOTH)
To use this button, touch PLAYBACK ( ), then the function key you want.

VOCAL FADER key (page 45)

SCORE key (page 45)

VOICE CHANGER +/- key (page 46)

MIC ECHO key (page 45)

PLAYBACK key (page 36)

DJ key (page 37)

SAMPLER key (page 37)

KARAOKE key (page 38)

Disc tray

(N-Mark) (page 30)

Remote control sensor

MIC1 jack, MIC2 jack (inside the MIC1 MIC2 cover)
Place your fingernail in the slot to open the cover.
Use to connect the microphone(s).
(USB) port (inside the USB REC/PLAY cover)
Open the cover according to the arrow direction.
Use to connect a USB device.
This port can be used for both playback and music transfer.

Remote control

1 (power) button
Press to turn on the system, or sets it to standby mode.

2 PLAY MODE button (page 22, 24)

3 REC TO USB button
Press to transfer music to the USB device connected to the (USB) port.

4 FUNCTION button
Press to select a function.

5 MEGA BASS button (page 38)

6 (fast reverse/fast forward) button (page 22)

7 (enter) button
Press to enter/confirm the settings.

8 (play)* button
Press to start playback.

9 VOL button

10 BACK button

11 OPTIONS button
Press to enter or exit options menu.

12 (select folder) button
Press to select a folder on a data disc or a USB device.

LIGHT MODE button (page 46)

TUNER MENU button (page 26)

+ button
Press to select the menu items.

REMOTE CONTROL
I ◄/ ► (go backward/go forward) button (page 21)

PRESET+/– button (page 27)

II (pause) button
Press to pause playback. To resume playback, press ►.

■ (stop) button
— Press to stop playback.
— When pressed twice, resume playback can be canceled.
— Press to stop transfer during music transfer.
— Press to stop the built-in sound demonstration.

7 KEY CONTROL #/b button (page 45)

8 VOL (volume) +/-* button
Press to adjust the volume.

9 MIC ECHO button (page 45)

10 VOCAL FADER button (page 45)

11 SCORE button (page 45)

DISPLAY button (page 17, 20, 23, 28)
Press to change the information on the display.

SLEEP button (page 46)

* The VOL + and ► buttons have a tactile dot. Use the tactile dot as a reference when operating the system.
Getting Started

Hooking up the system securely

Unit (Rear)

Note
The jacks/terminal/port at the rear panel have cover, open the cover then make the connection.

A Audio input and output jacks
Use an audio cable (not supplied) to make either connection as follows:

• AUDIO/PARTY CHAIN OUT
  L/R jacks
  — Connect to the audio input jacks of an optional equipment.

• AUDIO/PARTY CHAIN IN L/R jacks
  — Connect to another audio system to enjoy the Party Chain function (page 42).
— Connect to another audio system to enjoy the Party Chain function (page 42).

**B Wireless LAN antenna**
If you use the wireless network function, set the antenna as shown in the illustration.

*Note*
If a network (LAN) cable is connected to the system, the system automatically operates to establish a wired LAN connection. If you wish to use a wireless LAN connection, do not connect a network (LAN) cable to the system.

*Hint*
We recommend you to adjust the wireless LAN antenna to 90 degrees as in the illustration above for maximum reception.

**C FM ANTENNA terminal**
Find a location and an orientation that provide good reception when you set up the antennas.

Keep the antenna away from the AC power cord (mains lead) and the USB cable to avoid picking up noise.

Extend the FM lead antenna horizontally.

**D LAN (100) port**
Use a LAN cable (not supplied) to connect to a wired network (page 32).

**E AC power cord (mains lead)**
Connect the AC power cord (mains lead) (supplied) to the unit, then to the wall outlet.

When the AC power cord (mains lead) is connected, the system is performing initialization. During system initialization, “WELCOME” appears on the display. While the initializing is in progress, you cannot turn on the system.

After initialization completes, demonstration (page 20) starts automatically. If you press \( \) to turn on the system, the demonstration ends.

**Deactivating the demonstration**
To deactivate the demonstration while the system is turned off, press DISPLAY repeatedly to select the no display mode (Power Saving Mode) (page 20).
Inserting batteries

Insert the two supplied R03 (size AAA) batteries, matching the polarities shown below.

**Note**
- Do not mix an old battery with a new one or mix different types of batteries.
- If you do not use the remote control for a long period of time, remove the batteries to avoid damage from battery leakage and corrosion.

To operate the unit using the remote control
Point the remote control at the unit’s remote control sensor.
Listening to TV sound via the system

Before connecting cables, be sure to disconnect the AC power cord (mains lead).

To listen to TV sound, press FUNCTION repeatedly to select “AUDIO IN”.

**Hint**
- You can also enjoy the sound of external equipment (DVD players, etc.) via the system by connecting to the AUDIO/PARTY CHAIN IN jacks. For details, refer to the operating instructions of your equipment.
- If the audio output level from the system is low when connecting the external equipment, try adjusting the audio output settings on the connected equipment. It may improve the audio output level. For details, refer to the operating instructions of your equipment.
Carrying the unit

The unit has caster wheels so that you can roll it easily. Normally, carrying the unit by this method is recommended on flat surfaces. Before carrying the unit, disconnect all the cables.

Note
- The caster wheels can be used only on flat surfaces. Lift the unit by two people on uneven surfaces. Correct hand placement while carrying the unit is very important to avoid personal injury and/or property damage. Be sure to use the handle when lifting the unit.
- Exercise extreme caution when carrying the unit on a slope.
- Do not carry the unit with a person, luggage, etc. on it.
- Do not let children or infants be near when carrying the unit.

Changing the display mode

Press DISPLAY repeatedly while the system is turned off. Each time you press the button, the display mode changes as follows.

Demonstration
The messages about the main features of this system scrolls across the display and the illumination turns on.
To turn off the illumination, press PARTY LIGHT.

No display (Power Saving Mode)
The display is turned off to conserve power.
Disc/USB Playback

Before using the USB device

For compatible USB devices, see “Websites for compatible devices” (page 10). (You can use your Apple devices with this system via BLUETOOTH connection only.)

Basic playback

1 Press FUNCTION repeatedly to select “CD” or “USB”. Alternatively, touch PLAYBACK, then touch CD or USB on the unit.

2 Prepare the playback source.

For CD function:
Touch ▲ on the unit to open the disc tray and load a disc with the label facing up on the disc tray.

When you play back an 8 cm disc such as a CD single, place it on the inner circle of the tray.

Touch ▲ on the unit again to close the disc tray. Do not forcibly push the disc tray to close it as this may cause a malfunction.

3 Press ▶ to start playback.

Other operations

<table>
<thead>
<tr>
<th>To</th>
<th>Do this</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stop playback</td>
<td>Press ■</td>
</tr>
<tr>
<td>Pause playback</td>
<td>Press ;top</td>
</tr>
<tr>
<td>Resume playback or return to normal playback</td>
<td>Press ▶.</td>
</tr>
<tr>
<td>Cancel the resume point</td>
<td>Press ■ twice.</td>
</tr>
<tr>
<td>Select a track or file</td>
<td>Press ■ or  ► during playback. (Operation might be prohibited by disc or USB device.)</td>
</tr>
</tbody>
</table>
To Do this

Find a point in an audio file of USB device
Hold down ◀ or ▶ during playback and release at the point you want to start playback.

Find a point in an audio file of DATA CD or AUDIO CD
Press ◀ or ▶ during playback. Press ▶ at the point you want to start playback.

To use the Gesture Control during playback
See page 36.

Using play mode

| CD | DATA CD | USB |

Playing in sequential order (Normal Play)

When playback is stopped, press PLAY MODE repeatedly.
The following indicator lights up on the display.
• (None): plays the disc or USB device.
• “FLDR”*: plays all playable files in the specified folder on the disc or USB device.

* Cannot be selected for AUDIO CD.

Playing in random order (Shuffle Play)

When playback is stopped, press PLAY MODE repeatedly.
The following indicators light up on the display.
• “SHUF”: shuffles all playable files on the disc or USB device.
• “FLDR SHUF”*: shuffles all playable files in the specified folder on the disc or USB device.

* Cannot be selected for AUDIO CD.

Note
• Shuffle Play is canceled when you:
  — open the disc tray.
  — perform Synchronized Transfer.
• Shuffle Play may be canceled when you select a folder or a track to play back.

Playing repeatedly (Repeat Play)

Press REPEAT repeatedly.
The following indicators light up on the display.
• “ ”: repeats all tracks or audio files on a folder/disc/USB device.
• “ ”: repeats a track or audio file.

Note
Repeat Play is canceled when you
— open the disc tray.
— perform Synchronized Transfer.
Viewing information on the display

Press DISPLAY repeatedly when the system is on.
You can view the information as follows:
—playing time/remaining time of track, file, disc
—file name, folder name
—title, artist and album information

Note
• The disc name or track name may not be displayed depending on the characters.
• Playing time of audio files may not be displayed correctly.
• The elapsed playing time for an audio file encoded using a VBR (variable bit rate) is not displayed correctly.

USB Transfer

Before using the USB device

For compatible USB devices, see “Websites for compatible devices” (page 10).
(You can use your Apple devices with this system via BLUETOOTH connection only.)

Transferring music

You can transfer music from a disc (AUDIO CD or MP3 disc only) to a USB device connected to the (USB) port.

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

Note
• Do not remove the USB device during transfer or erase operations. Doing so may corrupt the data on the USB device or damage the USB device itself.
• MP3 files are transferred with the same bit rate as the original files.
• When transferring from AUDIO CD, you may select the bit rate before transferring.
• USB transfer and erase operations are prohibited when the disc tray is opened.

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.

To select the bit rate
You can select a higher bit rate to transfer music with better quality.

1 Press OPTIONS.
2 Press \( \uparrow / \downarrow \) repeatedly to select “BIT RATE”, then press \(+\).

3 Press \( \uparrow / \downarrow \) repeatedly to select the bit rate you want, then press \(+\).
   - “128 KBPS”: encoded MP3 files have smaller file size and lower audio quality.
   - “256 KBPS”: encoded MP3 files have bigger file size but higher audio quality.

To exit the options menu, press OPTIONS.

**Transferring music from a disc**

You can transfer music to a USB device connected to \( \leftrightarrow \) (USB) port as follows:
- Synchronized Transfer: Transfer all MP3 files from a disc to USB.
- REC1 Transfer: Transfer a single track or MP3 file during playback.

1 Connect a transferable USB device to the \( \leftrightarrow \) (USB) port.

2 Press FUNCTION repeatedly to select “CD”, then load a disc.

3 Prepare the sound source.

**Synchronized Transfer:**
If the system starts playback automatically, press ■ twice to stop the playback fully.
When playback is stopped, press PLAY MODE repeatedly to select the play mode you want.

**REC1 Transfer:**
Select the track or MP3 file you want to transfer, then start playback.

4 Press REC TO USB. “PUSH ENTER” appears on the display.

5 Press \(+\).
The transfer starts, then “DO NOT REMOVE” appears on the display.
Do not remove the USB device until the transfer is complete.
When the transfer is complete, the system performs as follows:

**Synchronized Transfer:**
When the transfer is complete, the disc stops automatically.

**REC1 Transfer:**
The transfer is completed automatically, but the disc continues to play the next track or file.

To stop transfer
Press ■.

---

**Note**

You can use a USB adaptor (not supplied) to connect the USB device to the unit if the USB device cannot be plugged into the \( \leftrightarrow \) (USB) port.
Notes on transfer
- While transferring, no sound is output.
- CD-TEXT information is not transferred to the created MP3 files.
- The transfer stops automatically if:
  - the USB device runs out of space during transfer.
  - the number of audio files or folders on the USB device reaches the limit that the system can recognize.
- 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.
- You cannot perform the following operations during transfer:
  - Eject the disc.
  - Select another track or file.
  - Pause playback or find a point in the track or file.
  - Change the function.
- When transferring music to a WALKMAN® using “Media Manager for WALKMAN”, be sure to transfer in MP3 format.
- When connecting a WALKMAN® to the system, be sure to connect after the display “Creating Library” or “Creating Database” on the WALKMAN® has disappeared.

Folder and file generation rules

Maximum number of MP3 files that can be generated
- 298 folders
- 650 files in a folder
- 650 files in REC1-CD or REC1-MP3 folder.
These numbers may vary depending on the file or folder configuration.

When transferring to a USB device, a “MUSIC” folder is created directly below “ROOT”. Folders and files are generated within this “MUSIC” folder according to the transfer method and source as follows:

Synchronized Transfer

- **When transferring CD-DA tracks from an AUDIO CD**
  Folder name: “CDDA0001”*
  File name: “TRACK001”*

- **When transferring MP3 files from a disc**
  Folder name: Same as the source
  File name: Same as the source

REC1 Transfer

- **When transferring a CD-DA track from an AUDIO CD**
  Folder name: “REC1-CD”
  File name: “TRACK001”*

- **When transferring an MP3 file from a disc**
  Folder name: “REC1-MP3”
  File name: Same as the source

* Folder and file numbers are assigned serially thereafter.

Erasing audio files or folders on the USB device

1. Press FUNCTION repeatedly to select “USB”. Alternatively, touch PLAYBACK, then touch USB on the unit.
2. When playback is stopped, press OPTIONS.
3. Press ↑/↓ repeatedly to select “ERASE”, then press +.
4 Press \( \uparrow/\downarrow \) repeatedly to select a folder, then press \( \rightarrow \).

5 Press \( \uparrow/\downarrow \) repeatedly to select an audio file you want to erase, then press \( \rightarrow \).
   If you want to delete all the audio files in the folder, select “ALL TRACKS”.
   “FOLDER ERASE” or “TRACK ERASE” and “PUSH ENTER” appear on the display.
   To cancel erase operations, press \( \Rightarrow \).

6 Press \( \rightarrow \).
   “COMPLETE” appears on the display.
   To exit the options menu, press \( \Rightarrow \).

Note
- You can erase MP3/WMA/AAC/WAV/3GP/MP4 format file only.
- A folder that contains non-MP3/WMA/AAC/WAV format audio files or sub folders cannot be erased.
- Erase operation is prohibited when the disc tray is opened.

## Tuner

### Listening to the radio

1 Press FUNCTION repeatedly to select “TUNER FM”.
   Alternatively, touch PLAYBACK, then touch FM on the unit.

2 Tune to a station.

   For automatic scanning:
   Hold down TUNING+/– until the frequency begins to change on the display.
   Scanning stops automatically when a station is tuned in. “ST” (for FM stereo programs only) lights up on the display.
   If scanning does not stop, press \( \Rightarrow \) to stop scanning. Then, perform manual tuning (below).

   For manual tuning:
   Press TUNING+/– repeatedly to tune to the station you want.

   **Hint**
   To reduce static noise on a weak FM stereo station, press FM MODE repeatedly until “ST” disappears from the display. You will lose the stereo effect, but reception will improve.

### Presetting radio stations

You can store up to 20 FM stations as your favorite stations.

1 Tuned to the station you want.

2 Press TUNER MENU.
3 Press ↑/↓ repeatedly to select the preset number you want, then press +.
“COMPLETE” appears on the display and the station is stored.
If another station is already assigned to the selected preset number, that station is replaced by the new one.

To listen to the preset station
Press PRESET+/– repeatedly to select the preset number you want.

---

### BLUETOOTH

#### About the BLUETOOTH wireless technology

BLUETOOTH wireless technology is a short-range wireless technology that enables wireless data communication between digital devices.

#### Supported BLUETOOTH version, profiles and codecs

For details, see “BLUETOOTH section” (page 61).

#### Compatible BLUETOOTH devices

For details, see “Websites for compatible devices” (page 10).

#### About the BLUETOOTH indicator

The BLUETOOTH indicator on the unit lights up or flashes in blue to show the BLUETOOTH status.

<table>
<thead>
<tr>
<th>System status</th>
<th>Indicator status</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUETOOTH standby</td>
<td>Flashes slowly</td>
</tr>
<tr>
<td>BLUETOOTH pairing</td>
<td>Flashes quickly</td>
</tr>
<tr>
<td>BLUETOOTH connection is established</td>
<td>Lights up</td>
</tr>
</tbody>
</table>
Pairing this system with a BLUETOOTH device

Pairing is an operation where BLUETOOTH devices register with each other beforehand. Once a pairing operation is performed, it does not need to be performed again.

If your device is an NFC-compatible smartphone, the manual pairing procedure is not necessary. (See “One Touch BLUETOOTH Connection by NFC” (page 29).)

1 Place the BLUETOOTH device within 1 meter (3.3 feet) from the unit.

2 Touch BLUETOOTH on the unit to select the BLUETOOTH function. “BT AUDIO” appears on the display.

   Hint
   • When there is no pairing information on the system (for example, when you use the BLUETOOTH function for the first time after purchase), “PAIRING” flashes on the display and the system enters the pairing mode. Proceed to step 4.
   • If the system is connected to a BLUETOOTH device, touch BLUETOOTH on the unit to disconnect the BLUETOOTH device.

3 Touch and hold — PAIRING on the unit for 2 seconds or more. “PAIRING” flashes on the display.

4 Perform the pairing procedure on the BLUETOOTH device.
   For details, refer to the operating instructions of your BLUETOOTH device.

5 Select “MHC-V77W” on the display of the BLUETOOTH device.
   Perform this step within 5 minutes, otherwise pairing will be canceled. In this case, repeat from step 3.

   Note
   If passkey is required on the BLUETOOTH device, enter “0000”. “Passkey” may be called “Passcode”, “PIN code”, “PIN number”, or “Password”.

6 Establish connection with the BLUETOOTH device.
   When pairing is completed and the BLUETOOTH connection is established, BLUETOOTH device name appears on the display. Depending on the BLUETOOTH device, connection may start automatically after pairing is completed.
   You can check the BLUETOOTH device address by pressing DISPLAY repeatedly.

   Note
   • You can pair up to 9 BLUETOOTH devices. If the 10th BLUETOOTH device is paired, the oldest paired device will be deleted.
   • If you want to pair with another BLUETOOTH device, repeat steps 1 to 6.

To cancel the pairing operation
   Touch and hold — PAIRING on the unit for 2 seconds or more until “BT AUDIO” appears on the display.
Listening to music on a BLUETOOTH device

You can operate a BLUETOOTH device by connecting the system and the BLUETOOTH device using AVRCP.

Check the following before playing music:
— The BLUETOOTH function of the BLUETOOTH device is turned on.
— Pairing has been completed (page 28).

Once the system and the BLUETOOTH device are connected, you can control playback by pressing ▶, ■, ◀/▶ and ◀/▶/▶.

1 Touch BLUETOOTH on the unit to select the BLUETOOTH function. “BT AUDIO” appears on the display.

2 Perform a BLUETOOTH connection with the BLUETOOTH device.
Touch BLUETOOTH on the unit to connect to the last connected BLUETOOTH device.
Perform the BLUETOOTH connection from the BLUETOOTH device if the device is not connected.
Once the connection is established, the BLUETOOTH device name appears on the display.

3 Touch ▶ to start playback.
Depending on the BLUETOOTH device,
— you may need to touch ▶ twice.
— you may need to start playing an audio source on the BLUETOOTH device.

4 Adjust the volume.
Adjust the volume of the BLUETOOTH device first. If the volume level is still too low, adjust the volume level on the system.

Note
• When the system is not connected to any BLUETOOTH device, the system will connect to the last connected BLUETOOTH device automatically when you touch BLUETOOTH on the unit or ▶.
• If you try to connect another BLUETOOTH device to the system, the current connected BLUETOOTH device will be disconnected.

To use the Gesture Control during playback
See page 36.

To terminate the BLUETOOTH connection
Touch BLUETOOTH on the unit. “BT AUDIO” appears on the display. Depending on the BLUETOOTH device, the BLUETOOTH connection may be terminated automatically when you stop playback.

One Touch BLUETOOTH Connection by NFC

NFC (Near Field Communication) is a technology enabling short-range wireless communication between various devices, such as smartphones and IC tags.
When you touch the system with an NFC-compatible smartphone, the system automatically:
— turns on in the BLUETOOTH function.
— completes the pairing and BLUETOOTH connection.
Compatible smartphones
Smartphones with a built-in NFC function (OS: Android™ 2.3.3 or later, excluding Android 3.x)

Note
- The system can only recognizes and connects to one NFC-compatible smartphone at a time. If you try to connect another NFC-compatible smartphone to the system, the currently connected NFC-compatible smartphone will be disconnected.
- Depending on your NFC-compatible smartphone, you may need to perform the following steps on your NFC-compatible smartphone in advance.
  - Turn on the NFC function. For details, refer to the operating instructions of the NFC-compatible smartphone.
  - If your NFC-compatible smartphone has an OS version that is older than Android 4.1.x, download and start the “NFC Easy Connect” application. “NFC Easy Connect” is a free application for Android smartphones that can be obtained from Google Play. (The application may not be available in some countries/regions.)

1 Touch the smartphone to the N-Mark on the unit until the smartphone vibrates.

Complete the connection by following the instructions displayed on the smartphone.
When the BLUETOOTH connection is established, the BLUETOOTH device name appears on the display.

2 Start playback of an audio source on the smartphone.
For details, refer to the operating instructions of your BLUETOOTH device.

Hint
If pairing and the BLUETOOTH connection fail, do the following.
- Remove the case from the smartphone if using a commercially available smartphone case.
- Touch the smartphone to the N-Mark on the unit again.
- Relaunch the “NFC Easy Connect” application.

To terminate the BLUETOOTH connection
Touch the smartphone to the N-Mark on the unit again.

Setting the BLUETOOTH audio codecs
You can enable AAC, LDAC or SBC codec from BLUETOOTH device. AAC/LDAC can be selected only when the BLUETOOTH device supports AAC/LDAC.

1 Press OPTIONS.
2 Press ↺/ repeatedly to select “BT CODEC”, then press .
3 Press ↺/ repeatedly to select the setting, then press .
   - “AUTO”: Enable reception in AAC or LDAC codec format depending on the BLUETOOTH device's capabilities.
   - “SBC”: Receive in SBC codec format.
To exit the options menu, press OPTIONS.
**Note**

- You can enjoy high quality sound if AAC or LDAC is selected. If you cannot listen to AAC or LDAC sound from your device or the sound is interrupted, select “SBC”.
- If you change this setting while the system is connected to a BLUETOOTH device, the BLUETOOTH device will be disconnected. To connect to the BLUETOOTH device, perform the BLUETOOTH connection again.

**Hint**

LDAC is an audio coding technology developed by Sony that enables the transmission of High-Resolution (Hi-Res) Audio content, even over a BLUETOOTH connection. Unlike other BLUETOOTH compatible coding technologies such as SBC, it operates without any down-conversion of the Hi-Res Audio content*1, and allows approximately three times more data*2 than those other technologies to be transmitted over a BLUETOOTH wireless network with unprecedented sound quality, by means of efficient coding and optimized packetization.

*1 Excluding DSD format contents.
*2 In comparison with SBC (Subband Coding) when the bitrate of 990 kbps (96/48 kHz) or 909 kbps (88.2/44.1 kHz) is selected.
Network

Selecting the method of network connection

If you connect this system to a network, you can enjoy this system in various ways. Depending on your network environment, setting up methods are different. Select the appropriate connecting method for your network environment from below.

Note

• Connecting to a Wi-Fi network and a wired network simultaneously is not possible. When you connect to a Wi-Fi network, be sure to disconnect the LAN cable from the unit.
• Depending on the function, the system may need to be updated.

Method for using a smartphone/iPhone

Installing the “SongPal” application to your smartphone/iPhone is required.

Before making the connection, be sure to turn on the BLUETOOTH feature on your smartphone/iPhone, then operate the “SongPal” application to connect your smartphone or iPhone to this system via BLUETOOTH.

Refer to SongPal Help for more details.

http://info.songpal.sony.net/help/

Method for using a wireless router with a WPS (AOSS) button

Touch and hold – WPS on the unit, then press the Wi-Fi Protected Setup™ (WPS) button of the wireless router. For details, refer to the Wi-Fi Startup Guide (separate document).

Method for using wired network

Refer to Help Guide for details.

http://rd1.sony.net/help/has/mhc-v77w/h_zz/
Listening to the same music from the multiple speakers

You can enjoy your favorite music stored in your PCs or mobile phones, furthermore, music from streaming services with ultimate sound quality in any rooms via Wi-Fi.

1 Install the “SongPal” application on your smartphone/iPhone.

2 Connect the system and smartphone/iPhone to your Wi-Fi network.
   Connect the system and smartphone/iPhone to the same SSID (network) of your router.

3 When connecting multiple devices, connect the multi-room compatible devices to your Wi-Fi network.

Refer to Help Guide for detailed operation.
http://rd1.sony.net/help/has/mhc-v77w/h_zz/

Enjoying the Wireless Party Chain

If you connect the multi-room compatible speakers to your Wi-Fi network and set them in the same room, you can enjoy high pressure sound like the Party Chain function via Wi-Fi.
Listening to an Internet music service (Chromecast built-in)

Chromecast built-in allows you to select music content from the Chromecast-enabled app and play back on the system. Chromecast built-in requires the initial setup using SongPal.

1. Install the “SongPal” application on your smartphone/iPhone.

2. Connect the system and smartphone/iPhone to your Wi-Fi network.
   Connect the system and smartphone/iPhone to the same SSID (network) of your router.

3. Launch “SongPal” and download a Chromecast-enabled app.
   ① Launch “SongPal” then tap [MHC-V77W] → [Settings] → [Chromecast built-in] → [Learn how to Cast].
   ② See the instructions, then find and install a Chromecast-enabled app on your smartphone/iPhone.

4. Launch the Chromecast-enabled app, then tap the Cast button (投放) to select “MHC-V77W”.

5. Select music to listen to on your Chromecast-enabled app.
   The music is played on the system.

Refer to Help Guide for detailed operation.
http://rd1.sony.net/help/has/mhc-v77w/h_zz/
Listening to an Internet music service (Spotify)

“Spotify” gives you instant access to millions of songs. The “Spotify Connect” feature lets you select music on the Spotify App and stream it on the system. To use “Spotify Connect” feature, you need a Premium account. For details, visit www.spotify.com/connect

1. **Connect the system and smartphone/iPhone to your Wi-Fi network.**
   Connect the system and smartphone/iPhone to the same SSID (network) of your router.

2. **Download the Spotify App to your smartphone/iPhone from Google Play or the App Store.**

3. **Launch the Spotify App and log in to a Spotify Premium account.**

4. **Select and start playing the music.**

5. **Tap the Connect icon () and select the system as the audio output device.**

**Hint**
When “Spotify Connect” is activated, the Connect icon () lights up.

**Note**
Depending on the country and region, music services and their periods of availability may differ.
Gesture Control

Enjoying the Gesture Control

You can control the operations for PLAYBACK, DJ, SAMPLER and KARAOKE mode by swiping your hand over the GESTURE CONTROL sensor on the unit.

Note

Do not touch or contact to the GESTURE CONTROL sensor when you perform the swiping motion.

Swipe your hand over the GESTURE CONTROL sensor in 6 directions as follows.

<table>
<thead>
<tr>
<th>Swiping motion</th>
<th>Swipe in this direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right to left</td>
<td>←</td>
</tr>
<tr>
<td>Left to right</td>
<td>→</td>
</tr>
<tr>
<td>Bottom to top</td>
<td>↑</td>
</tr>
<tr>
<td>Top to bottom</td>
<td>↓</td>
</tr>
<tr>
<td>Clockwise</td>
<td>⌚</td>
</tr>
<tr>
<td>Anticlockwise</td>
<td>⌚</td>
</tr>
</tbody>
</table>

To activate the Gesture Control

Touch GESTURE ON/OFF, then touch the mode you want (PLAYBACK, DJ, SAMPLER, KARAOKE). The GESTURE CONTROL lights up.

To deactivate the Gesture Control

Touch GESTURE ON/OFF. The GESTURE CONTROL lights off.

Using the Gesture Control during playback

You can use the Gesture Control to control basic playback when playing music from a disc, USB device or BLUETOOTH device. Use the keys and GESTURE CONTROL sensor on the touch panel of the unit to perform this operation.

1. Touch GESTURE ON/OFF. The GESTURE CONTROL lights up.
2. Touch PLAYBACK. The PLAYBACK mode is activated.
3. Touch CD, USB, FM, AUDIO IN, or BLUETOOTH to select the function you want.
4. Swipe your hand over the GESTURE CONTROL sensor.

<table>
<thead>
<tr>
<th>To</th>
<th>Swipe in this direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Go backward</td>
<td>←</td>
</tr>
<tr>
<td>Go forward</td>
<td>→</td>
</tr>
<tr>
<td>Play</td>
<td>↑</td>
</tr>
<tr>
<td>Stop</td>
<td>↓</td>
</tr>
<tr>
<td>Increase volume</td>
<td>⌚</td>
</tr>
<tr>
<td>Reduce volume</td>
<td>⌚</td>
</tr>
</tbody>
</table>
Creating a party atmosphere (DJ Effect)

Use the keys and GESTURE CONTROL sensor on the touch panel of the unit to perform this operation.

1. **Touch GESTURE ON/OFF.**
The GESTURE CONTROL lights up.

2. **Touch DJ or SAMPLER.**
The DJ or SAMPLER mode is activated.

3. **Swipe your hand over the GESTURE CONTROL sensor.**
   **For DJ mode:**
<table>
<thead>
<tr>
<th>To</th>
<th>Swipe in this direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select FLANGER*1</td>
<td>←</td>
</tr>
<tr>
<td>Select ISOLATOR*2</td>
<td>→</td>
</tr>
<tr>
<td>Select WAH*3</td>
<td>↑</td>
</tr>
<tr>
<td>Select PAN*4</td>
<td>↓</td>
</tr>
<tr>
<td>Increase the level of the selected effect</td>
<td></td>
</tr>
<tr>
<td>Reduce the level of the selected effect</td>
<td></td>
</tr>
</tbody>
</table>

   *1 Creates a deep flanging effect that is similar to the roar of a jet plane.
   *2 Isolates a specific frequency band by adjusting the other frequency bands. For example, when you want to focus on vocals.
   *3 Create a special effect of “Wah-wah” sound by moving the frequency of a filter up and down automatically.
   *4 Create a feeling that the sound is moving around the speakers between left and right channels.

   **For SAMPLER mode:**
<table>
<thead>
<tr>
<th>To</th>
<th>Swipe in this direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output “Come On!”</td>
<td>←</td>
</tr>
<tr>
<td>Output “Let’s Go!”</td>
<td>→</td>
</tr>
<tr>
<td>Output Reggae Horn sound effect</td>
<td></td>
</tr>
<tr>
<td>Output Phaser sound effect</td>
<td></td>
</tr>
<tr>
<td>Output Scratch sound effect</td>
<td></td>
</tr>
<tr>
<td>Output Audience sound effect</td>
<td></td>
</tr>
</tbody>
</table>

   **To output the SAMPLER mode sound effect**
   Touch SAMPLER, then touch one of the direct function key (CD, USB, FM, AUDIO IN, BLUETOOTH) to output the sound effect you want.

   **To turn off the DJ mode**
   Swipe your hand over the GESTURE CONTROL sensor in the same direction as in step 3 above.

   **Note**
   - The DJ Effect is automatically turned off when you:
     — turn off the system
     — change the function
     — change sound field
     — change the mode to PLAYBACK/SAMPLER/KARAOKE
   - If you activate the DJ Effect during transferring, the sound effect will not be transferred onto the USB device.
Using the Gesture Control during Karaoke function

Use the keys and GESTURE CONTROL sensor on the touch panel of the unit to perform this operation.

1 Touch GESTURE ON/OFF.
The GESTURE CONTROL lights up.

2 Touch KARAOKE.
The KARAOKE mode is activated.

3 Swipe your hand over the GESTURE CONTROL sensor.

<table>
<thead>
<tr>
<th>To</th>
<th>Swipe in this direction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduce the pitch of music (♭)</td>
<td>←</td>
</tr>
<tr>
<td>Increase the pitch of music (♯)</td>
<td>→</td>
</tr>
<tr>
<td>Increase the microphone volume</td>
<td>↑</td>
</tr>
<tr>
<td>Decrease the microphone volume</td>
<td>↓</td>
</tr>
<tr>
<td>Output hand clapping sound effect</td>
<td>⃣</td>
</tr>
<tr>
<td>Output booing sound effect</td>
<td>⃣</td>
</tr>
</tbody>
</table>

Sound Adjustment

Adjusting the sound

<table>
<thead>
<tr>
<th>To</th>
<th>Do this</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reinforce bass sound and create more powerful sound (MEGA BASS)</td>
<td>Press MEGA BASS repeatedly to select “BASS ON”. To cancel, press MEGA BASS repeatedly to select “BASS OFF”.</td>
</tr>
<tr>
<td>Reproduce the sound effect of a party hall (Fiesta)</td>
<td>Touch FIESTA on the unit. The FIESTA indicator lights up. To cancel, press SOUND FIELD repeatedly to select “FLAT”.</td>
</tr>
<tr>
<td>Reproduce the sound effect of a concert hall (Digital Music Arena)</td>
<td>Press SOUND FIELD repeatedly to select “MUSIC ARENA”. To cancel, press SOUND FIELD repeatedly to select “FLAT”.</td>
</tr>
<tr>
<td>Select a preset sound effect</td>
<td>Press SOUND FIELD repeatedly to select the sound effect you want. To cancel, press SOUND FIELD repeatedly to select “FLAT”.</td>
</tr>
</tbody>
</table>

Selecting the Virtual Football mode

You can experience the feeling of being in the stadium when watching a football match broadcast.

Note that you can only select Virtual Football mode during AUDIO IN function.
Press SOUND FIELD repeatedly while watching a football match broadcast.

- “ON NARRATION”: You can enjoy an immersive feeling of being in a football stadium through enhanced stadium cheers.
- “OFF NARRATION”: You can enjoy a more immersive feeling of being in a football stadium by minimizing the volume level of narration in addition to the enhancement of cheers.

To cancel the Virtual Football mode
Press SOUND FIELD repeatedly to select “FLAT”.

Note
- We recommend that you select the Virtual Football mode when watching a football match broadcast.
- If you hear unnatural sounds in the content when “OFF NARRATION” is selected, “ON NARRATION” is recommended.
- This feature does not support monaural sound.

Creating your own sound effect
You can raise or lower the levels of specific frequency bands, then store the setting in the memory as “CUSTOM EQ”.

1 Press OPTIONS.
2 Press ↑/↓ repeatedly to select “CUSTOM EQ”, then press ▶.
3 Press ↑/↓ repeatedly to adjust the equalizer level, then press ▶.

4 Repeat step 3 to adjust the level of other frequency bands and surround effect.
To exit the options menu, press OPTIONS.

To select the custom equalizer setting
Press SOUND FIELD repeatedly to select “CUSTOM EQ”.
**Other Operations**

**Controlling the system using a smartphone or tablet (SongPal)**

“SongPal” is a dedicated app for operating “SongPal”-compatible audio devices manufactured by Sony using a smartphone or tablet. Search for “SongPal” on Google Play™ or App Store and download it using your smartphone or tablet. “SongPal” allows you to:

— change the function of the system, control the playback of the disc/USB device and tune to an FM station.
— browse the music content of disc/USB device.
— view the information of disc/USB such as playing time and title.
— adjust the volume and change sound setting.

1. Search for “SongPal” or scan the two-dimensional code below.

![QR Code](https://via.placeholder.com/150)

2. Download “SongPal” app on your remote device.

3. Connect the system and device by BLUETOOTH connection (page 27) or network connection (page 32).

**Hint**
If you connect the system and remote device by network connection, connect the device by Wi-Fi to the same network as that of the system.

4. Launch “SongPal” and follow the on-screen instructions.

**Note**
- We recommend you to use the latest “SongPal” version.
- If the “SongPal” application does not work properly, touch BLUETOOTH on the unit to terminate the BLUETOOTH connection, then perform the BLUETOOTH connection again so that the BLUETOOTH connection functions normally.
- Available operations via “SongPal” may differ depending on the audio devices.
- For more details on “SongPal”, refer to the following URL. [http://info.songpal.sony.net/help/](http://info.songpal.sony.net/help/)
- Specifications and display design of “SongPal” are subject to change without notice.

**Getting frenzied parties with the “Fiestable” app**

You can control the party features of Sony’s Home Audio System with intuitive and fancy user interface with the “Fiestable” app. “Fiestable” allows you to control features such as DJ Effect, illumination and Karaoke.

Even if “Fiestable” is installed, the “Fiestable” icon is not displayed on the remote device home screen. It is embedded in the “SongPal” app as a plug-in.
1. Search and download “SongPal” app on your remote device (page 40).

2. Search and download “Fiestable” app from Google Play or App Store using your remote device.

3. Connect the system and remote device by BLUETOOTH connection (page 27).

4. Launch “SongPal” and touch the “Fiestable” icon at the top left corner.

Note
- For notes on using “Fiestable”, refer to the “Notes on using the “Fiestable” application” (separate document) for details.
- For more details on “SongPal”, refer to the following URL.
  http://info.songpal.sony.net/help/
Using the Party Chain function

You can connect multiple audio systems in a chain to create a more interesting party environment and to produce higher sound output. An activated system in the chain will be the “Party Host” and share the music. Other systems will become “Party Guests” and play the same music as that being played by the “Party Host”.

Setting up the Party Chain

Set up a Party Chain by connecting all the systems using audio cables (not supplied). Before connecting cables, be sure to disconnect the AC power cord (mains lead).

**A If all the systems are equipped with Party Chain function**

Example: When connecting using this system as the first system

• The last system must be connected to the first system.
• Any system can become a Party Host.
• You can change the Party Host to another system in the chain. For details, see “To select a new Party Host (when all the systems are equipped with Party Chain function)” (page 44).
If one of the systems is not equipped with Party Chain function

Example: When connecting using this system as the first system

First system

Second system

Continue the connection until the last system

Last system*

* Connect the system which is not equipped with Party Chain function at the last system, otherwise the chain will stop at that system. Be sure to select the Audio In function on this last system.

- The last system is not connected to the first system.
- You must select the first system as Party Host so that all systems are playing the same music when Party Chain function is activated.
**Enjoying the Party Chain**

1. Plug in the AC power cord (mains lead) and turn on all the systems.
2. Adjust the volume on each system.
3. Activate the Party Chain function on the system to be used as the Party Host.

   **Example:** When using this system as the Party Host
   Touch FUNCTION repeatedly on the unit to select the function you want (except when the AUDIO IN function is used in connection A (page 42)). Start playing the music, then touch PARTY CHAIN on the unit.
   “PARTY CHAIN” appears on the display. The Party Host starts the Party Chain, and other systems become Party Guests automatically. All systems play the same music as that being played by the Party Host.

   **To enjoy the Wireless Party Chain**
   See page 33.

   **Note**
   • Depending on the total unit of systems you have connected, Party Guests may take some time to start playing the music.
   • Changing the volume level and sound effect on the Party Host will not affect the output on the Party Guests.
   • When you use the microphone on Party Host, the sound will not be output from Party Guests.
   • When one of the systems in the chain is performing USB transfer, wait for the system to complete or stop the transfer before you activate the Party Chain function.

   • For detailed operation on other systems, refer to the operating instructions of the systems.

   **To select a new Party Host (when all the systems are equipped with Party Chain function)**
   Repeat step 3 of “Enjoying the Party Chain” on the system to be used as a new Party Host. The current Party Host becomes Party Guest automatically. All systems play the same music as that being played by the new Party Host.

   **Note**
   • You can select another system as the new Party Host only after the Party Chain function of all the systems in the Chain has been activated.
   • If the selected system does not become a new Party Host after a few seconds, repeat step 3 under “Enjoying the Party Chain”.

   **To deactivate the Party Chain**
   Touch PARTY CHAIN on the Party Host.

   **Note**
   If the Party Chain function is not deactivated after a few seconds, touch PARTY CHAIN on the Party Host again.

   **Setting the Party Chain sound mode**
   You can set the sound mode when the Party Chain function is activated.

   1. Press OPTIONS.
   2. Press ↑/↓ repeatedly to select “P.CHAIN MODE”, then press ▶.
3 Press ↑/↓ repeatedly to select the mode you want, then press +.
- “STEREO”: outputs the stereo sound.
- “RIGHT CH”: outputs the monaural sound of the right channel.
- “LEFT CH”: outputs the monaural sound of the left channel.

To exit the options menu, press OPTIONS.

**Singing along: Karaoke**

**Preparing for Karaoke**

1. Touch MIC LEVEL – on the unit repeatedly to reduce the microphone volume level.

2. Connect an optional microphone to MIC1 or MIC2 jack on the unit.
   Connect another optional microphone if you want to sing in duet.

3. Start playing the music and adjust the microphone volume.
   Press MIC ECHO repeatedly to adjust the echo effect.

4. Start singing along with the music.

To use the Gesture Control during karaoke
See page 38.

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**Note**

If howling occurs:
- move the microphone away from the system.
- change the direction of the microphone.
- lower the microphone volume level.
- press MIC ECHO repeatedly to adjust the echo level.

Microphone sound will not be transferred to the USB device during USB transfer.

**Using Vocal Fader**

You can reduce the sound of the vocal in stereo source.

Press VOCAL FADER repeatedly to select “ON V. FADER”.
To cancel Vocal Fader effect, press VOCAL FADER repeatedly to select “OFF”.

**Changing the key (Key Control)**

Press KEY CONTROL ♭/♯ to suit your vocal range.

**Selecting the scoring mode (Score Mode)**

You only can use scoring function when the microphone is connected.
Your score is calculated from a scale of 0 to 99 by comparing your voice with the music source.

1. Start playing the music.
2. Press SCORE before singing a song.
3 After singing for more than a minute, press SCORE again to view your score.

Using Voice Changer

You can change your voice when you talk or sing into microphone. There are 7 different patterns.

Touch KARAOKE, then touch VOICE CHANGER +/- on the unit repeatedly to change your voice effect.

Enjoying music with the Party Light and Speaker Light

1 Press PARTY LIGHT repeatedly to select “LED ON”.

2 Press LIGHT MODE repeatedly to select “SYNC ON”.

To turn off Party Light and Speaker Light
Press PARTY LIGHT repeatedly to select “LED OFF”.

Note
• Do not look directly at the light-emitting part when the Party Light is turned on.
• If the illumination brightness is glaring, switch on the room lights or turn off the illumination.
• You can turn on or off the Party Light and Speaker Light when demonstration is turned on.

Using the Sleep Timer

The system turns off automatically after the preset time.

Press SLEEP repeatedly to select the time you want.
To cancel Sleep Timer, press SLEEP repeatedly to select “OFF”.

Hint
To check the remaining time before the system turns off, press SLEEP.

Using optional equipment

1 Press VOL – repeatedly until “VOL MIN” appears on the display.

2 Connect an optional equipment (page 16).

3 Press FUNCTION repeatedly to select “AUDIO IN”.

4 Start playing the connected equipment.

5 Press VOL + repeatedly to adjust the volume.

Note
The system may enter standby mode automatically if the volume level of the connected equipment is too low. Adjust the volume level of the equipment. If you turn off automatic standby function, see “Setting the automatic standby function” (page 47).
Deactivating the touch panel on the unit (Child Lock)

You can deactivate the keys (except ●) on the touch panel of the unit to prevent misoperation, such as child mischief.

**Touch and hold ■ on the unit for more than 5 seconds.**

“CHILD LOCK ON” appears on the display. You can only operate the system using the buttons on the remote control. To turn off the Child Lock function, touch and hold ■ on the unit for more than 5 seconds until “CHILD LOCK OFF” appears on the display.

**Note**

- Child Lock function will be turned off automatically when you disconnect the AC power cord (mains lead).
- Child Lock function cannot be activated when you open the disc tray.

Deactivating the touch panel on the unit for a short time (Party Lock)

When you accidentally splash liquid on the touch panel of the unit during party, you can deactivate the keys (except ●) on the touch panel of the unit for 30 seconds and wipe off the liquid with a cloth.

Hold your hand above GESTURE CONTROL sensor on the unit for more than 5 seconds.

“PARTY LOCK ON” appears on the display. To turn off the Party Lock function, hold your hand above GESTURE CONTROL sensor on the unit for more than 5 seconds until “PARTY LOCK OFF” appears on the display.

**Note**

- The party lock being applied cancels automatically in 30 seconds.
- While the party lock is applied, the touch panel indications of the unit are turned off.

Setting the automatic standby function

The system enters standby mode automatically in about 15 minutes when there is no operation or audio signal output. By default, the automatic standby function is turned on.

1 Press OPTIONS.
2 Press ▲/▼ repeatedly to select “AutoSTBY”, then press ◁.
3 Press ▲/▼ repeatedly to select “ON” or “OFF”, then press ◁. To exit the options menu, press OPTIONS.

**Note**

- “AutoSTBY” flashes on the display about 2 minutes before entering standby mode.
The automatic standby function does not work in the following cases:
— during tuner function.
— when the Sleep Timer is activated.
— when microphone is connected.

Setting the BLUETOOTH/Network standby mode

The BLUETOOTH/Network standby mode enables the system to turn on automatically when you establish a BLUETOOTH connection, a Wi-Fi connection, or a wired LAN connection.

1 Press OPTIONS.
2 Press ↑/↓ repeatedly to select “NW STBY”, then press ‑.
3 Press ↑/↓ repeatedly to select the setting, then press ‑.
   • “ON”: The system turns on automatically even when the system is in standby mode.
   • “OFF”: Turns off this function.

To exit the options menu, press OPTIONS.

Turning on or off the BLUETOOTH/Wi-Fi signal

You can connect to the system from a linked network device or a paired BLUETOOTH device in all functions when the system’s BLUETOOTH/ Wi-Fi signal is set to on. The BLUETOOTH/Wi-Fi signal is turned on by default.

1 Press OPTIONS.
2 Press ↑/↓ repeatedly to select “RF”, then press ‑.
3 Press ↑/↓ repeatedly to select the setting you want, then press ‑.
   • “RF ON”: Wi-Fi signal is on/BLUETOOTH signal is on
   • “WIFI OFF”: Wi-Fi signal is off/BLUETOOTH signal is on
   • “RF OFF”: Wi-Fi signal is off/BLUETOOTH signal is off

To exit the options menu, press OPTIONS.

Note

• You cannot perform the following operations when BLUETOOTH/Wi-Fi signal is set to off:
  — Pairing and/or connecting with BLUETOOTH device
  — Using “SongPal”
  — Change the BLUETOOTH audio codecs
• If you touch the N-Mark on the unit with an NFC-compatible smartphone or set the BLUETOOTH/Network standby mode to on, the BLUETOOTH/Wi-Fi signal will be set to on automatically.
Updating the software

The software of this system may be updated in the future. You can update your system’s pre-installed software by using one of the following 3 methods:

**Automatic update via the Internet**

When the system is connected to the Internet, the system updates the software automatically if a new update file is detected. This feature requires the settings to be made by using a smartphone/iPhone installed with “SongPal”.

**Launch “SongPal” on your smartphone/iPhone, and set [Auto Update] in the [Settings] menu.**

Refer to SongPal Help for more details.

http://info.songpal.sony.net/help/

**Hint**

Automatic update will start updating the software after downloading all the update files. So, data corruption and loss do not occur even if the network connection is unintentionally disconnected. If the error message persists, perform the manual update via a USB device.

**Manual update via the Internet**

When the system is connected to the Internet, “UPDATE” lights up on the display if the system detects a new update file.

1. **Press OPTIONS.**
2. Press ↑/↓ repeatedly to select “SYSTEM”, then press ✗.
3. Press ↑/↓ repeatedly to select “UPDATE”, then press ✗.
4. Press ↑/↓ repeatedly to select “VIA NW”, then press ✗.
5. Press ↑/↓ repeatedly to select “EXEC”, then press ✗.
6. Press ↑/↓ repeatedly to select “YES”, then press ✗.

To exit the options menu, press OPTIONS.

**Manual update via a USB device**

Use a computer or another device to download the update file from the websites below, then store it in a USB device. Follow the online instructions to update the software.

**For customers in the United States:**
<https://esupport.sony.com/US/>

**For customers in Canada:**
<http://esupport.sony.com/CA/>
Additional Information

Troubleshooting

Should you encounter a problem with your system, find your problem in the troubleshooting checklist below and take the corrective action. If the problem persists, consult your nearest Sony dealer.

Note that if the service personnel changes some parts during repair, these parts may be retained.

If “PROTECTX” (X is a number) appears on the display
Immediately unplug the AC power cord (mains lead), and check if anything is blocking the ventilation openings of the unit. After you have checked and found no problems, reconnect the AC power cord (mains lead), and turn on the system. If the issue persists, contact your nearest Sony dealer.

The system has entered standby mode.
- This is not a malfunction. The system enters standby mode automatically in about 15 minutes when there is no operation or audio signal output (page 47).

There is no sound.
- Adjust the volume.
- Check the connection of the optional equipment, if any (page 16).
- Turn on the connected equipment.
- Unplug the AC power cord (mains lead), then plug in the AC power cord (mains lead) again and turn on the system.

There is no microphone sound.
- Adjust the microphone volume level.
- Make sure the microphone is connected to the MIC1 or MIC2 jack on the unit correctly.
- Make sure the microphone is turned on.

There is severe hum or noise.
- Move the system away from sources of noise.
- Connect the system to a different wall outlet.
- Install a noise filter (not supplied) to the AC power cord (mains lead).
- Turn off surrounding electrical equipment.
- The noise generated by the cooling fans of the system may be heard when the system is turned on. This is not a malfunction.

The remote control does not function.
- Remove the obstacles between the remote control and the unit.
- Move the remote control closer to the unit.
• Point the remote control at the unit’s sensor.
• Replace the batteries (R03/size AAA).
• Move the unit away from the fluorescent light.

There is acoustic feedback.
• Reduce the volume.
• Move the microphone away from the system or change the direction of the microphone.

“CHILD LOCK” appears when you touch any key on the unit.
• Set the Child Lock function to off (page 47).

A clicking sound is heard when turning the power on.
• This is the operating sound and it occurs when the power is turned on or off, for example. This is not a malfunction.

Disc player

The disc tray does not open and “LOCKED” appears on the display.
• Consult your nearest Sony dealer or local authorized Sony service facility.

The disc tray does not close.
• Load the disc correctly.

The disc does not eject.
• You cannot eject the disc during CD-USB Synchronized Transfer or REC1 Transfer. Press ■ to cancel the transfer, then touch ▲ on the unit to eject the disc.
• Consult your nearest Sony dealer.

Playback does not start.
• Wipe the disc clean (page 58).
• Reload the disc.
• Load the disc that this system can play back (page 8).

• Remove the disc and wipe away the moisture on the disc, then leave the system turned on for a few hours until the moisture evaporates.

The sound skips.
• Wipe the disc clean (page 58).
• Reload the disc.
• Move the unit to a place with no vibration.

Playback does not start from the first track.
• Set the play mode to Normal Play (page 22).
• Resume Play has been selected. Press ■ twice. Then, press ▶ to start playback.

The MP3 disc cannot be played back.
• The data is not stored in the supported format.

The folder name, track name, file name and ID3 tag characters do not appear properly.
• The ID3 version is not in Version 1 (1.0/1.1) or Version 2 (2.2/2.3).
• The character codes that can be displayed by this system are as follows:
  — Upper cases (A to Z)
  — Numbers (0 to 9)
  — Symbols (< > * + , [ ] \ _)
Other characters appear as “_”.

The sound loses stereo effect when you play back an AUDIO CD or audio file.
• Turn off the Vocal Fader (page 45).
• Make sure the system is connected properly.
USB device

Transferring results in an error.
• You are using an unsupported USB device. Check the information on the website about compatible USB devices (page 10).
• The USB device is not formatted correctly. Refer to the operating instructions of the USB device on 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 on again after removing it from the system. Then, perform the transfer again.
• If the transfer and erase operations are repeated multiple times, the file structure within the USB device becomes fragmented. Refer to the operating instructions of the USB device on how to deal with this problem.
• The USB device was disconnected or the power was turned off during transfer. Delete the partially-transferred file, and perform the transfer again. If this does not fix the problem, the USB device may be broken. Refer to the operating instructions of the USB device on how to deal with this problem.

Audio 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 operating instructions of the USB device on how to deal with this problem.

There is no sound.
• The USB device is not connected correctly. Turn off the system and reconnect the USB device, then turn on the system and check if “USB” appears on the display.

There is noise, skipping, or distorted sound.
• You are using an unsupported USB device. Check the information on the website about compatible USB devices (page 10).
• Turn off the system and reconnect the USB device, then turn on the system.
• The music data itself contains noise, or the sound is distorted. Noise may have entered during the transfer process. Delete the file, and try transfer again.
• The bit rate used in encoding an audio file was low. Send an audio file with higher bit rate to the USB device.

“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 (page 9).
  — The file structure is extremely complex.
  — The memory capacity is excessive.
  — The internal memory is fragmented.

“NO FILE” appears on the display.
• The system has entered the software update mode, and all keys (except ⪈) are deactivated. Press ⪈ on the unit to cancel the software update.
“OVER CURRENT” appears on the display.
- A problem has been detected with the level of electrical current from the \( \rightarrow \) (USB) port. Unplug the AC power cord (mains lead) and remove the USB device from the port. Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

Erroneous display.
- The data stored in the USB device may have been corrupted, perform the transfer again.
- The character codes that can be displayed by this system are as follows:
  —Upper cases (A to Z)
  —Numbers (0 to 9)
  —Symbols (< > * +, [ ] \_)
  Other characters appear as “_”.

The USB device is not recognized.
- Turn off the system and reconnect the USB device, then turn on the system.
- Check the information on the website about compatible USB devices (page 10).
- The USB device is not working properly. Refer to the operating instructions of the USB device on how to deal with this problem.

Playback does not start.
- Turn off the system and reconnect the USB device, then turn on the system.
- Check the information on the website about compatible USB devices (page 10).

Playback does not start from the first file.
- Set the play mode to Normal Play (page 22).

Files cannot be played back.
- USB devices formatted with file systems other than FAT16 or FAT32 are unsupported.*
- If you use a partitioned USB device, only files on the first partition can be played back.

* This system supports FAT16 and FAT32, but some USB devices may not support all of these FAT. For details, refer to the operating instructions of each USB device or contact the manufacturer.

Tuner*

There is severe hum or noise, or stations cannot be received.
- Connect the antenna properly.
- Change antenna location and its orientation to obtain good reception.
- Turn off nearby electrical equipment.

* Radio may not be received depending on the radio wave conditions or the housing environment in your area.

BLUETOOTH device

Pairing cannot be performed.
- Move the BLUETOOTH device closer to the system.
- Pairing may not be possible if other BLUETOOTH devices are present around the system. In this case, turn off the other BLUETOOTH devices.
- Make sure to enter the correct passkey when selecting the system’s name (this system) on the BLUETOOTH device.
The BLUETOOTH device cannot detect the system, or “RF OFF” appears on the display.
• Set the BLUETOOTH/Wi-Fi signal to “WIFI OFF” or “RF ON” (page 48).

Connection is not possible.
• The BLUETOOTH device you attempted to connect does not support the A2DP profile, and cannot be connected with the system.
• Enable the BLUETOOTH function of the BLUETOOTH device.
• Establish a connection from the BLUETOOTH device.
• The pairing registration information has been erased. Perform the pairing operation again.

The sound skips or fluctuates, or the connection is lost.
• The system and the BLUETOOTH device are too far apart.
• If there are obstacles between the system and your BLUETOOTH device, remove or avoid the obstacles.
• If there is equipment that generates electromagnetic radiation, such as a wireless LAN, other BLUETOOTH device, or a microwave oven nearby, move them away.

The sound of your BLUETOOTH device cannot be heard on this system.
• Increase the volume on your BLUETOOTH device first, then adjust the volume using VOL +/-.

There is severe hum, noise, or distorted sound.
• If there are obstacles between the system and your BLUETOOTH device, remove or avoid the obstacles.
• If there is equipment that generates electromagnetic radiation, such as a wireless LAN, other BLUETOOTH device, or a microwave oven nearby, move them away.
• Turn down the volume of the connected BLUETOOTH device.

Network connection

The system cannot connect to the network. (Other equipment on the network cannot find or recognize the system.)
• Check that NETWORK is lit on the display.
• It takes about 2 minutes for the system to acquire an IP address when the system is turned on in a communication environment without a router.
• When you use a fixed IP address, the same IP address may be used by other equipment. Use a different IP address.

The system cannot connect to the network via a wireless LAN connection.
• If a network (LAN) cable is connected to the system, the system automatically operates to establish a wired LAN connection. If you wish to use a wireless LAN connection, do not connect a network (LAN) cable to the system.
• Check the settings of the wireless LAN router/access point. If the SSID stealth mode is set to “On” on the access point, set it to “Off”. For details on the settings of the access point of the wireless router, refer to the operating manual of the access point.
• Set the BLUETOOTH/Wi-Fi signal to “RF ON” (page 48).

The system cannot connect to the network using WPS.
• Set up your network after searching the access point using the access point scan.
• You cannot connect to a network using WPS when your access point is set to WEP.
• Update the firmware of the wireless LAN router/access point to the latest version.

Music Services

The system cannot connect to Music Services.
• Make sure the wireless LAN router/access point is turned on.
• Check that the Wi-Fi signal is lit on the display. If not, set up a wireless network again. For details, see Wi-Fi Startup Guide.
• When the system is connected to a wireless network, place the wireless LAN/access point and the system closer together and perform the setup again.
• Depending on the providers, only one connection to Internet is allowed.
• When you turn on your mobile phone (Android device, Xperia device, or iPhone/iPod touch) after a moment of power off, try to restart the “SongPal” application.

Home Network

The controller (the operating device) cannot find this system. (The controller cannot browse the contents of this system.)
• Make sure that the controller is connected to the home network.
• The multicast control on the access point is enabled.

Music started automatically.
• This system may be controlled by another equipment. To block such control, set the BLUETOOTH/Network standby mode to off (page 48).

The sound is interrupted.
• The DLNA server is overloaded. Quit all running applications.
• The wireless signal has interference. Turn off other devices such as your microwave oven.
• The communications speed of the wireless LAN may become slower for IEEE802.11n-compliant wireless LAN routers/access points if the security method is set to WEP or WPA/WPA2-PSK (TKIP). If the speed becomes slower, change the security method to WPA/WPA2-PSK (AES). The encryption (security) scheme varies depending on the device. For details, refer to the operating instructions of your router/access point.

Tuning or playback cannot be performed.
• Confirm that the audio file is improper or has been deleted from the server. Refer to the operating instructions of the server.
• The server tries to play the audio file in an audio format that the system does not support. Check the audio format information on the server.
• Disable the multicast control on the wireless LAN router/access point. If it is enabled, it may take several minutes to output the audio. For details, refer to the operating instructions of the wireless LAN router/access point.
• The access from this system is not permitted by the server. Change the settings on the server to allow access from this system. For details, refer to the operating instructions of the server.

**Gesture Control**

**The Gesture Control cannot be activated.**
• Touch GESTURE ON/OFF repeatedly until GESTURE CONTROL lights up.
• Make sure the Child Lock function is not activated (page 47).

**The Gesture Control does not operate properly.**
• Move your hand closer to GESTURE CONTROL sensor (page 36) when you perform the swiping motion.
• Perform the swiping motion at a slower speed.
• Select the correct mode (PLAYBACK, DJ, SAMPLER or KARAOKE) before you start using the Gesture Control (page 36, 38).
• Install a noise filter (not supplied) to the AC power cord (mains lead).
• Turn off surrounding electrical equipment.

**“PARTY LOCK” appears when you touch any key on the unit.**
• Set the Party Lock function to off (page 47).

**Party Chain**

**Party Chain function cannot be activated.**
• Check the connections (page 42).
• Make sure the audio cables are connected correctly.

**Party Chain function does not work properly.**
• Turn off the system. Then, turn it back on again to activate the Party Chain function.
Resetting the system

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

1. Unplug the AC power cord (mains lead), then plug it back in.
2. Press ⊞ to turn on the system.
3. Press OPTIONS.
4. Press ↑/↓ repeatedly to select “SYSTEM”, then press ▶.
5. Press ↑/↓ repeatedly to select “RESET”, then press ▶.
6. Press ↑/↓ repeatedly to select “YES”, then press ▶.

“RESET” appears on the display. After the reset completes, the system automatically reboots. Press ⊞ to turn on the system.

All user-configured settings, such as preset radio stations and Sleep Timer are reset to factory default setting.

Messages

One of the following messages may appear or flash on the display during operation.

CANNOT PLAY
A disc that cannot be played back was inserted.

DATA ERROR
- The file is created in unsupported format.
- The file extensions does not match the file format.

DEVICE ERROR
The USB device could not be recognized or an unknown device is connected.

DEVICE FULL
The memory of the USB device is full.

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

FATAL ERROR
The USB device was removed during transfer or erase operation, and may have been damaged.

FOLDER FULL
You cannot transfer onto the USB device because the number of folders has reached its maximum.

GUEST
The system has become a Party Guest as the Party Chain function has been activated by a Party Host.

HOST
The system activated the Party Chain function and has become a Party Host.

NO DEVICE
No USB device is connected or unsupported device is connected.

NO DISC
There is no disc in the player.

NO MUSIC
No supported audio files exist in the playback source.
NO SUPPORT
An unsupported USB device is connected, or the USB device is connected through a USB hub.

NOT USE
You tried to perform a specific operation under conditions where that operation is prohibited.

OVER CURRENT
An over current from the \( \Rightarrow \) (USB) port was detected.

PROTECT
The USB device is write-protected.

PUSH STOP
You tried to perform an operation that can be performed only when the playback is stopped.

READING
The system is reading information of the disc or USB device. Some operations are not available.

REC ERROR
The transfer did not start, stopped partway, or otherwise could not be performed.

TRACK FULL
You cannot transfer onto the USB device because the number of files has reached its maximum.

Precautions

When carrying the unit
To avoid damaging the disc mechanism, perform the following procedure before carrying the unit.

1. Press \( \bigcirc \) to turn on the system.
2. Touch FUNCTION repeatedly to select “CD”.
3. Remove the disc.
   Touch \( \uparrow \) to open and close the disc tray.
   Wait until “NO DISC” appears on the display.
4. Unplug the AC power cord (mains lead).

Notes on discs
- Before playing, wipe the disc with a cleaning cloth from the center outward 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 them in a car parked in direct sunlight.

On safety
- Completely disconnect the AC 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 system, 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 (mains lead) must be changed only at the qualified service shop.

On handling the unit
- Do not splash water on the unit on purpose. Dust and drip proof performance is improved by the flat top structure of the unit, but this is not guaranteed for all the situations. If you accidentally splash liquid on the unit, wipe off immediately.
• To maintain the dust and drip proof performance, make sure all the covers of the jacks/port/terminal are securely closed.

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 system on surfaces that have been specially treated (for example, 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 unit, 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 a 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 built-in 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 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.

Notes on updating
This system allows you to update the software automatically when connected to the Internet via a wired or wireless network.
You can add new features and use the system with more convenience and safety by updating the system.
If you do not want to update automatically, you can disable the function by using SongPal installed on your smartphone/iPhone. However, the system may update the software automatically for reasons such as safety, even if this function is disabled.
You can also update the software using the settings menu when this function is disabled. See "Updating the software" (page 49) for details.
You may not use the system while the software is being updated.

Disclaimer regarding services offered by third parties
Services offered by third parties may be changed, suspended, or terminated without prior notice. Sony shall not be held responsible in these situations.

On BLUETOOTH communication
• BLUETOOTH devices should be used within approximately 10 meters (33 feet) (unobstructed distance) of each other. The effective communication range may become shorter under the following conditions.
  — When a person, metal object, wall or other obstruction is between the devices with a BLUETOOTH connection
  — Locations where a wireless LAN is installed
  — Around microwave ovens that are in use
  — Locations where other electromagnetic waves are generated
- BLUETOOTH devices and wireless LAN (IEEE 802.11b/g/n) equipment use the same frequency band (2.4 GHz). When using your BLUETOOTH device near a device with wireless LAN capability, electromagnetic interference may occur. This could result in lower data transfer rates, noise, or inability to connect. If this happens, try the following remedies:
  - Use this system at least 10 meters (33 feet) away from the wireless LAN equipment.
  - Turn off the power of the wireless LAN equipment when using your BLUETOOTH device within 10 meters (33 feet).
  - Use this system and BLUETOOTH device as closer to each other as possible.
- The radio waves broadcast by this system may interfere with the operation of some medical devices. Since this interference may result in malfunction, always turn off the power on this system and BLUETOOTH device in the following locations:
  - In hospitals, on trains, in airplanes, at gas stations, and any place where flammable gases may be present
  - Near automatic doors or fire alarms
- This system supports security functions that comply with BLUETOOTH specifications to ensure secure connections during communication using BLUETOOTH technology. However, this security may be insufficient depending on the setting contents and other factors, so always be careful when performing communication using BLUETOOTH technology.
- Sony cannot be held liable in any way for damages or other loss resulting from information leaks during communication using BLUETOOTH technology.
- BLUETOOTH communication is not necessarily guaranteed with all BLUETOOTH devices that have the same profile as this system.

- BLUETOOTH devices connected with this system must comply with the BLUETOOTH specification prescribed by the Bluetooth SIG, Inc., and must be certified to comply. However, even when a device complies with the BLUETOOTH specification, there may be cases where the characteristics or specifications of the BLUETOOTH device make it impossible to connect, or may result in different control methods, display or operation.
- Noise may occur or the audio may cut off depending on the BLUETOOTH device connected with this system, the communications environment, or surrounding conditions.

### Specifications

#### AUDIO POWER SPECIFICATIONS

**POWER OUTPUT AND TOTAL HARMONIC DISTORTION:**
(USA models only)
With 4 ohm loads, both channels driven, from 150 Hz – 20,000 Hz; rated 60 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

**Speaker section**

**Speaker system:**
- Tweeter + Midrange speaker + Woofer

**Speaker unit:**
- Tweeter L/R: 40 mm (1 5/8 in), cone type
- Midrange L/R: 120 mm (4 3/4 in), cone type
- Woofer: 250 mm (9 7/8 in), cone type
Rated impedance:
- Tweeter L/R: 4 ohms
- Midrange L/R: 4 ohms
- Woofer: 8 ohms

Inputs
Audio/Party Chain IN L/R:
- Voltage 2 V, impedance 47 kilohms

Mic1, Mic2:
- Sensitivity 1 mV, impedance 10 kilohms

Outputs
Audio/Party Chain OUT L/R:
- Voltage 2 V, impedance 1 kilohm

Disc Player Section
System:
- Compact disc and digital audio system

Laser Diode Properties
- Emission Duration: Continuous
- Laser Output*: Less than 44.6 μW
  * This output is the value measurement at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Frequency response:
- 20 Hz – 20 kHz

USB Section
Supported USB device:
- Mass Storage Class

Maximum current:
- 1 A

(USB) port:
- Type A

FM tuner Section
FM stereo, FM superheterodyne tuner
Antenna:
- FM lead antenna

Tuning range:
- 87.5 MHz – 108.0 MHz (100 kHz step)

BLUETOOTH Section
Communication system:
- BLUETOOTH Standard version 4.2

Output:
- BLUETOOTH Standard Power Class 1

Maximum communication range:
- Line of sight approx. 30 m*1

Frequency band:
- 2.4 GHz band (2.4000 GHz – 2.4835 GHz)

Modulation method:
- FHSS (Freq Hopping Spread Spectrum)

Compatible BLUETOOTH Profiles*:2
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio Video Remote Control Profile)
- SPP (Serial Port Profile)

Supported codecs:
- SBC (Subband Codec)
- AAC (Advanced Audio Coding)
- LDAC

*1 The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, antenna’s performance, operating system, software application, etc.

*2 BLUETOOTH standard profiles indicate the purpose of BLUETOOTH communication between devices.

Network Section
Ethernet LAN
- 100BASE-TX

Wireless LAN
- Compatible standards: IEEE 802.11 a/b/g/n
- Security: WPA/WPA2-PSK, WEP
- Radio frequency: 2.4 GHz, 5 GHz
Supported audio formats
Supported bit rate and sampling frequencies:

MP3:
16/22.05/24/32/44.1/48 kHz,
16 kbps – 320 kbps (CBR/VBR)

AAC:
16/22.05/24/32/44.1/48/88.2/
96 kHz, 16 kbps – 320 kbps (CBR/
VBR)

WMA:
32/44.1/48 kHz, 16 kbps –
320 kbps (CBR/VBR)

WAV:
16/22.05/24/32/44.1/48/88.2/
96/176.4/192 kHz (16/24 bit)

AIFF:
32/44.1/48/88.2/96/176.4/
192 kHz (16/24 bit)

FLAC:
16/22.05/24/32/44.1/48/88.2/
96/176.4/192 kHz (16/24 bit)

ALAC:
16/22.05/24/32/44.1/48/88.2/
96/176.4/192 kHz (16/24 bit)

DSD (DSF/DSDIFF):
2.8 MHz (1 bit)

General
Power requirements:
AC 120 V, 60 Hz

Power consumption:
220 W

Dimensions (W/H/D) (Approx.):
340 mm × 924 mm × 378 mm
(13 1/2 in × 36 1/2 in × 15 in)

Mass (Approx.):
22 kg (48 lb 9 oz)

Design and specifications are subject
to change without notice.