



Home Audio System

Operating Instructions

Getting Started

Disc/USB Playback

USB Transfer

Tuner

BLUETOOTH Connection

Apps Control

Control for HDMI

Gesture Control

Sound Adjustment

Multiple Systems
Playback

Karaoke

Other Operations

Additional Information

WARNING

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.

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.

The following information is only applicable to equipment sold in countries/regions comply to EMC regulation.

This equipment has been tested and found to comply with the limits set out in the EMC regulation using a connection cable shorter than 3 meters.

CAUTION

Risk of explosion if the battery is replaced by an incorrect type.

Do not expose batteries or appliances with battery-installed to excessive heat, such as sunshine and fire.

CAUTION

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

For customers in Europe



This appliance is classified as a CLASS 1 LASER product under IEC 60825-1:2007 and IEC 60825-1:2014. This marking is located on the rear exterior.

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



This symbol on the product, the battery or on the packaging indicates that the product and the battery shall not be treated as household

waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbol for lead (Pb) is added if the battery contains more than 0.004% lead. By ensuring that these products and batteries are disposed of correctly, you will help to prevent potentially negative consequences for the environment and human health which could be caused by inappropriate waste handling. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery and the electrical and electronic equipment

will be treated properly, hand over these products at end-of-life to the appropriate collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the appropriate collection point for the recycling of waste batteries. For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product or battery.

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

This product has been manufactured by or on behalf of Sony Corporation. EU Importer: Sony Europe Limited. Inquiries to the EU Importer or related to product compliance in Europe should be sent to the manufacturer's authorized representative, Sony Belgium, bijkantoor van Sony Europe Limited, Da Vincilaan 7-D1, 1935 Zaventem, Belgium.

Hereby, Sony Corporation declares that this equipment is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<http://www.compliance.sony.de/>



The validity of the CE marking is restricted to only those countries where it is legally enforced, mainly in the countries EEA (European Economic Area) and Switzerland.

This radio equipment is intended to be used with the approved version(s) of software that are indicated in the EU Declaration of Conformity. The software loaded on this radio equipment is verified to comply with the essential requirements of the Directive 2014/53/EU.

You can check the software version by pressing OPTIONS, then select "SYSTEM" – "VERSION" using $\blacktriangle/\blacktriangledown$ and $\boxed{+}$.

This Home Audio System is designed to be used for the following purposes:

- Playing back music/video sources on discs or USB devices
- Transferring music to USB devices
- Listening to radio stations
- Listening to TV sound
- Streaming music from BLUETOOTH devices
- Enjoying social gatherings with the Wired Party Chain and Wireless Party Chain functions

For customers in Australia and India



Disposal of old electrical & electronic equipment (applicable in the European Union and other countries with separate collection systems)

For customers in the United Arab Emirates

CLASS 1 LASER PRODUCT

This appliance is classified as a CLASS 1 LASER product under IEC 60825-1:2007 and IEC 60825-1:2014. This marking is located on the rear exterior.

TRA
REGISTERED No:
ER58862/17
DEALER No:
DA69600/17

License and Trademark Notice

- **DVD** is a trademark of DVD Format/ Logo Licensing Corporation.
- "DVD+RW", "DVD-RW", "DVD+R", "DVD-R", "DVD VIDEO", and the "CD" logos are trademarks.
- WALKMAN® and WALKMAN® logo are registered trademarks of Sony Corporation.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.

- This system incorporates Dolby® Digital.
* Manufactured under license from Dolby Laboratories. Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories.
- This system incorporates High-Definition Multimedia Interface (HDMI™) technology. The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.
- "BRAVIA" is a trademark of Sony Corporation.
- LDAC™ and LDAC logo are trademarks of Sony Corporation.
- The BLUETOOTH® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Sony Corporation is under license. Other trademarks and trade names are those of their respective owners.
- The N-Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries.
- Android, Google Play, and the Google Play logo are trademarks of Google LLC.
- Apple, the Apple logo, iPhone, iPod, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc., registered in the U.S. and other countries.

- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- THIS PRODUCT IS LICENSED UNDER THE MPEG-4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER FOR

(i) ENCODING VIDEO IN COMPLIANCE WITH THE MPEG-4 VISUAL STANDARD ("MPEG-4 VIDEO")

AND/OR

(ii) DECODING MPEG-4 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE MPEG-4 VIDEO.

NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION INCLUDING THAT RELATING TO PROMOTIONAL, INTERNAL AND COMMERCIAL USES AND LICENSING MAY BE OBTAINED FROM MPEG LA, L.L.C.
[HTTP://WWW.MPEGLA.COM](http://www.mpegla.com)

- All other trademarks are trademarks of their respective owners.
- In this manual, [™] and ® marks are not specified.

About this manual


- The instructions in this manual are for models MHC-V82D and MHC-V72D. In this manual, the MHC-V82D is used for illustration purpose unless stated otherwise.
- This manual mainly explains operations using the remote control, but the same operations can also be performed using the controls on the unit having the same or similar names.
- Icons, such as , 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 items displayed on the TV screen may vary depending on the area.
- The default setting is underlined.
- The text enclosed in bracket ([--]) appears on the TV screen, and the text enclosed in double quotation mark ("--") appears on the display.

Table of Contents

About this manual	5
Unpacking	9
Playable discs or files on discs/USB device	9
Websites for compatible devices	11
Guide to parts and controls	12

Getting Started

Hooking up the system	17
Inserting batteries	18
Carrying the unit	18
Changing the color system ...	19
Performing the quick setup	19
Turning off the demonstration	20

Disc/USB Playback

Basic playback	20
Other playback operations ...	21
Using play mode	23
Restricting playback of the disc (Parental Control)	25
Viewing information of a disc and USB device	26
Using the Setup Menu	26

USB Transfer

Transferring music	30
Erasing audio files or folders on the USB device	32

Tuner

Listening to the radio	33
------------------------------	----

BLUETOOTH Connection

Streaming music from a BLUETOOTH device	34
Pairing this system with a BLUETOOTH device	34
Listening to music on a paired BLUETOOTH device ...	36
Connecting this system with multiple BLUETOOTH devices (Multi-device connection)	36
One Touch BLUETOOTH Connection by NFC	37
Setting the BLUETOOTH audio codecs	38
Setting the BLUETOOTH standby mode	38
Turning on or off the BLUETOOTH signal	39

Apps Control

Operating the system using
"Sony | Music Center" and
"Fiestable" apps 39

Achieving and sharing a
Party People ranking and
getting bonus features
(Party King)..... 40

Using Voice Control via
"Fiestable" 41

Creating party lighting
atmosphere via "Fiestable" ... 41

Control for HDMI

Using the Control for HDMI
function..... 42

Gesture Control

Operating playback, DJ
Effect, sampler, and
karaoke 44

Controlling the pitch of your
voice or music source 45

Deactivating the controls on
the unit for a short time
(Party Lock) 47

Sound Adjustment

Adjusting the sound 47

Creating your own sound
effect..... 48

Multiple Systems Playback

Enjoying Wired Party Chain
function..... 49

Enjoying Wireless Party
Chain function 51

Listening to music
wirelessly with two systems
(Speaker Add function)..... 53

Karaoke

Singing along: Karaoke 54

Enjoying sound from a
guitar..... 55

Other Operations

Playing the drum (Taiko)..... 56

Enjoying music with the
illumination (Party Light/
Speaker Light)..... 58

Using the Sleep Timer..... 58

Using the Voice Guidance.... 59

Using optional equipment... 59

Deactivating the controls on
the unit (Child Lock) 60

Setting the automatic
standby function..... 60

Listening to built-in sound
demonstration 60

Updating the software..... 60

Additional Information

Troubleshooting	61
Precautions	71
Specifications.....	73
Parental Control area code list.....	75
Language code list	76

Unpacking

- This unit (MHC-V82D or MHC-V72D) (1)
- Remote control (DC 3 V) (1)
- R03 (DC 1.5 V) (size AAA) batteries (2)
- FM lead antenna (aerial) (1)
- AC power cord (mains lead) (1)
- AC plug adaptor* (1) (supplied only for certain areas)

* This plug adaptor is not for the use in Chile, Paraguay and Uruguay. Use this plug adaptor in the countries/regions where it is necessary.

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

- DVD VIDEO
- DVD-R/-RW in DVD VIDEO format or video mode
- DVD+R/+RW in DVD VIDEO format
- VIDEO CD (Ver. 1.0, 1.1, and 2.0 discs)
- Super VCD
- CD-R/-RW/-ROM in VIDEO CD format or super VCD format
- AUDIO CD
- CD-R/-RW in AUDIO CD format
- CD-R/-RW/-ROM in DATA CD¹⁾ format that contains the MP3 files (.mp3)²⁾³⁾, MPEG4 files (.mp4/.m4v)³⁾⁴⁾, Xvid files (.avi) and conforms to ISO 9660⁵⁾ Level 1/ Level 2 or Joliet (extended format).

- DVD-R/-RW/-ROM/+R/+RW in DATA DVD¹⁾ format that contains the MP3 files (.mp3)²⁾³⁾, MPEG4 files (.mp4/.m4v)³⁾⁴⁾⁶⁾, Xvid files (.avi)⁶⁾⁷⁾ and conforms to UDF (Universal Disk Format).

Playable files on USB device

- Music:
MP3 files (.mp3)²⁾³⁾, WMA files (.wma)³⁾⁸⁾, AAC files (.m4a/.mp4/.3gp)³⁾⁹⁾, WAV files (.wav)³⁾
- Video:
MPEG4 files (.mp4/.m4v)³⁾⁴⁾⁶⁾, Xvid files (.avi)⁶⁾⁷⁾

- ¹⁾ DATA CD/DATA DVD that is created in Packet Write format or which has not been correctly finalized cannot be played back.
- ²⁾ 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. The MP3 PRO audio file can be played back as MP3 file.
- ³⁾ Files with copyright protection (Digital Rights Management) cannot be played back by the system.
- ⁴⁾ MPEG4 files must be recorded in MP4 file format. Supported video codec and audio codec are as follows:
 - Video codec: MPEG4 Simple Profile (AVC is not supported.)
 - Audio codec: AAC-LC (HE-AAC is not supported.)
- ⁵⁾ A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).
- ⁶⁾ Video files which is larger than 720 (width) × 576 (height) pixels or with a high width to length ratio cannot be played back.
- ⁷⁾ Xvid files that are longer than 2 hours or the file has been combined from two or more Xvid files may not be played back.
- ⁸⁾ WMA file in WMA DRM, WMA Lossless, or WMA PRO format cannot be played back.

- ⁹⁾ AAC file in AAC DRM and AAC Lossless format or which is encoded at 96 kHz cannot be played back.

Note

- 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.
- You cannot play back the following discs/files:
 - CPRM (Content Protection for Recordable Media) compatible DVD-R/-RW recorded in Copy-Once programs
 - 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
 - Files that are encrypted or protected by passwords.

Notes on CD-R/-RW and DVD-R/-RW/+R/+RW

- In some cases, a CD-R/-RW and DVD-R/-RW/+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.
- Some playback functions may not work with some DVD-Rs/+RWs, even if they have been correctly finalized. In this case, view the disc by normal playback.

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 continuous sessions on a disc when they are recorded in the same format as the first session. However, the playback is not guaranteed.

Note on DVD VIDEO and VIDEO CD playback operations

Some playback operations for a DVD VIDEO or VIDEO CD may be intentionally restricted by software producers. Therefore, some playback features may not be available. Be sure to read the operating instructions of the DVD VIDEO or VIDEO CD.

Notes on playable files

- Playback may take a longer time to start when:
 - a DATA CD/DATA DVD/USB device is recorded with a complicated tree structure.
 - the audio files or video files in another folder have just been played back.
 - many folders or files on the USB device.
- The system can play back a DATA CD/DATA DVD or a USB device in the following conditions:
 - Up to a depth of 8 folders
 - Up to 300 folders
 - Up to 999 files in a disc
 - Up to 2,000 files in a USB device
 - Up to 650 files in a folder

These numbers may vary depending on the file or folder configuration.

- Folders that have no audio files or video 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 or video file.
- Compatibility with all encoding/writing software of the supported formats, recording devices, and recording media cannot be guaranteed.
- Depending on the Xvid file, the picture may be unclear or the sound may skip.

Notes about USB devices

- This system is not guaranteed to operate with all USB devices.
- 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 Americas:

<<https://www.sony.com/am/support>>

For customers in Europe:

<<https://www.sony.eu/support>>

For customers in other countries/regions:

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

Compatible iPhone/iPod models

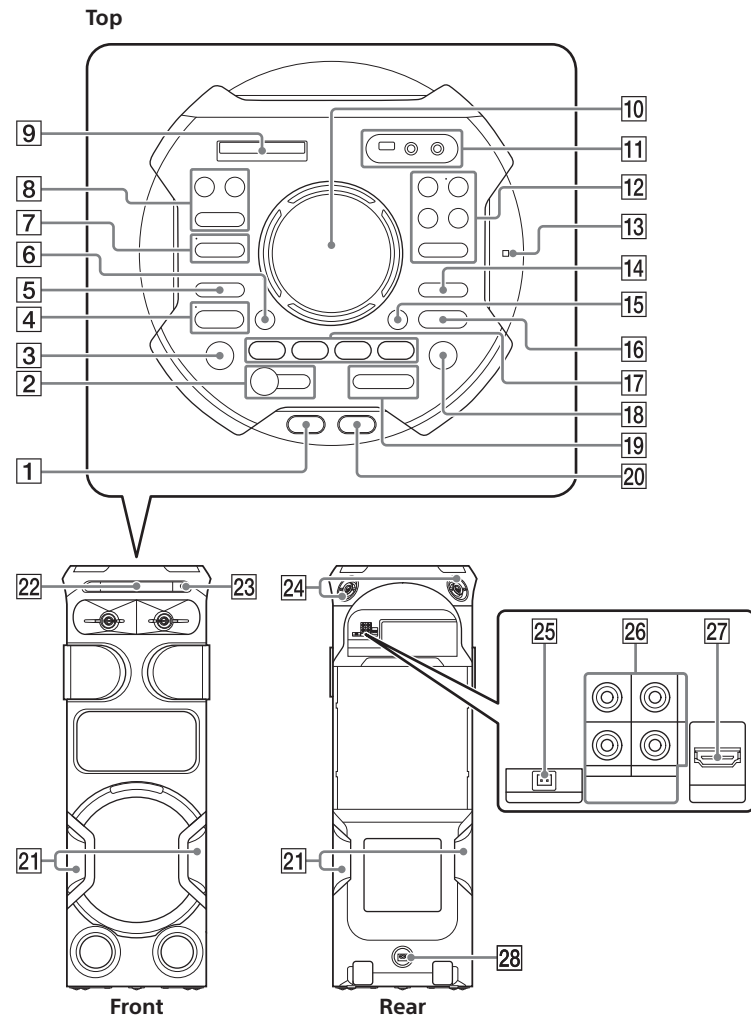
The system is compatible with iOS 10.0 or later.



The compatible iPhone/iPod models are as follows. Update your iPhone/iPod with the latest software before using with the system.


- iPhone X
- iPhone 8 Plus
- iPhone 8
- iPhone 7 Plus
- iPhone 7
- iPhone SE
- iPhone 6s Plus
- iPhone 6s
- iPhone 6 Plus
- iPhone 6
- iPhone 5s
- iPod touch (6th generation)

Guide to parts and controls

Unit



- 1  (power)
Press to turn on the system, or set it to standby mode.
- 2  (play) (page 20, 21, 36, 60)

 (stop) (page 21, 23, 31, 33, 60)
- 3 FUNCTION (page 17, 20, 33, 35, 36, 59)
- 4 BLUETOOTH indicator (page 34)


BLUETOOTH (page 36, 51, 53)

– PAIRING (page 35)
- 5 FIESTA (page 47)
- 6 GESTURE ON/OFF (page 44, 46)
- 7 MEGA BASS indicator (page 47)

MEGA BASS (page 47)
- 8 WIRELESS PARTY CHAIN (page 51, 52)

PARTY LIGHT (page 58)

PARTY CHAIN (page 50)
- 9 Display
- 10 GESTURE CONTROL sensor (page 44, 45, 56)
- 11 USB/MIC cover (page 31, 54, 55)

 (USB) (REC/PLAY) port (page 20, 31)

MIC1 jack (page 54)



MIC2/GUITAR jack (page 54, 55)
- 12 VOICE CHANGER (page 55)

GUITAR indicator (page 54, 56)

GUITAR (page 54, 56)


VOCAL FADER (page 55)

MIC/GUITAR LEVEL +/- (page 54, 55)

MIC ECHO (page 54)
- 13  (N-Mark) (page 37)
- 14  (folder) +/- (page 21)
- 15 SOUND FIELD (page 47)
- 16 VOLUME +/-
Adjust the volume.
- 17 PLAYBACK (page 44)

DJ (page 44)

SAMPLER (page 44)

KARAOKE (page 44)
- 18  (open/close) (page 20)

- 19** **◀◀/▶▶** (previous/next)
(page 21)

TUNING +/- (page 33)

- 20** **TAIKO** (page 56, 57)

- 21** **Party Light** (page 58)

Do not look directly at the light-emitting part when the illumination is turned on.

- 22** **Disc tray**

- 23** **Remote control sensor**
(page 18)

- 24** **Tweeter L/R Rear**

Generates 360° Live Sound with a different sound pressure compared to the front speaker units.

- 25** **FM ANTENNA terminal**
(page 17)

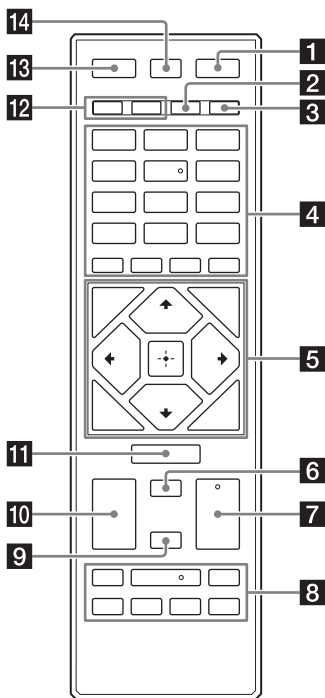
- 26** **AUDIO/PARTY CHAIN IN (TV)**
L/R jacks (page 17, 49, 59)

AUDIO/PARTY CHAIN OUT L/R
jacks (page 17, 49)

- 27** **HDMI OUT (TV) ARC connector**
(page 17)

- 28** **AC IN jack** (page 17)

Remote control



- 1** **⏻ (power)**

Press to turn on the system, or set it to standby mode.

- 2** **PLAY MODE** (page 23, 31)

- 3** **REPEAT/FM MODE**
(page 24, 33)

- 4** **Numeric (0 – 9) buttons¹⁾²⁾**
(page 21, 22, 23, 25, 27, 34)

MEGA BASS (page 47)

REC TO USB (page 31)

MEDIA MODE (page 20)

SUBTITLE (page 22)

AUDIO²⁾ (page 22)

ANGLE (page 22)


SCORE (page 55)

VOICE CHANGER (page 55)

MIC LEVEL+/- (page 54,
55)

VOCAL FADER (page 55)

MIC ECHO (page 54)

 (folder) +/- (page 21)

KEY CONTROL b/#
(page 55)

5 DVD TOP MENU (page 21)

DVD/TUNER MENU
(page 21, 34)

CLEAR¹⁾ (page 22)

RETURN (page 21)

SETUP¹⁾ (page 26)

OPTIONS (page 30, 32,
38, 45, 48, 50,
59, 60)





Select the menu items.


 (enter)

Enter/confirm the settings.


6 SEARCH (page 21, 22)

7  (volume) +/-²⁾
Adjust the volume.

8  (fast reverse/fast
forward) (page 21)


 (slow back/slow
forward) (page 21)


TUNING+/- (page 33)

 (play)²⁾ (page 20, 21)

 (previous/next)
(page 21)

PRESET+/- (page 34)

 (pause) (page 21)

 (stop) (page 21, 23,
31, 33)

9 SHIFT
Hold down to activate the
buttons printed in pink.


10 SOUND FIELD +/- (page 47)

11 FUNCTION (page 17, 20,
33, 59)

12 PARTY LIGHT (page 20,
58)



LIGHT MODE (page 58)

13 DISPLAY (page 20, 26,
33, 35)

 DISPLAY¹⁾ (page 26)

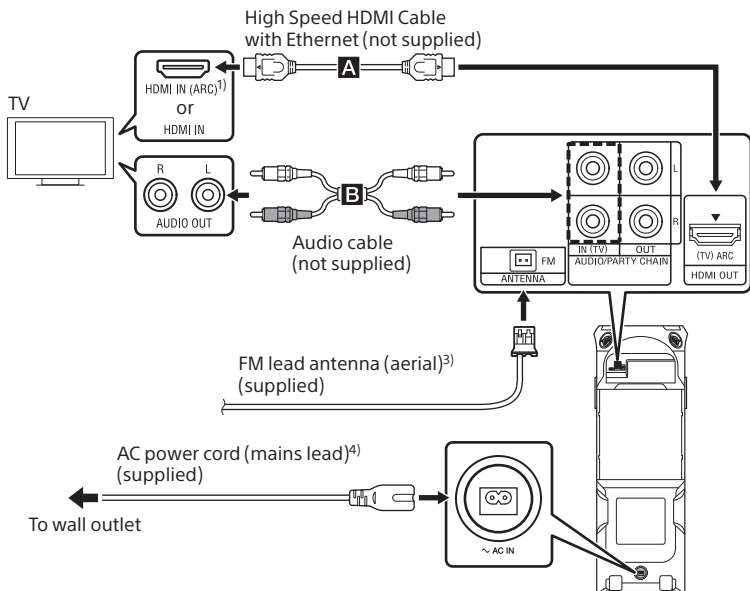
14 SLEEP (page 58)

¹⁾ This button is printed in pink. To use this
button, hold down SHIFT (**9**) button
and press this button.

- ²⁾ The numeric button 5/AUDIO,  + and  buttons have a tactile dot. Use the tactile dot as a reference when operating the system.

Hooking up the system

Be sure to make cable connections before connecting the AC power cord (mains lead).




Select the connection methods according to the jacks/connector on your TV.

	Available input jacks/connector on your TV		
	HDMI connector with "ARC" ¹⁾	HDMI connector without "ARC"	Without HDMI connector
To watch video	A	A	—
To listen to TV sound ²⁾	A	B	B

¹⁾ The Audio Return Channel (ARC) function enables the TV to output sound through the system with just an HDMI cable connection. To set the ARC function on this system, see [AUDIO RETURN CHANNEL] (page 30). To check the compatibility of your TV's ARC function, refer to the operating instructions supplied with your TV.

²⁾ To listen to TV sound, press FUNCTION repeatedly to select "TV".

³⁾ Extend the antenna (aerial) horizontally. Keep the antenna (aerial) away from the AC power cord (mains lead) and the USB cable to avoid picking up noise.

- 4) Connect the AC power cord (mains lead) last. The demonstration starts automatically. If you press  (power) to turn on the system, the demonstration ends.

Note

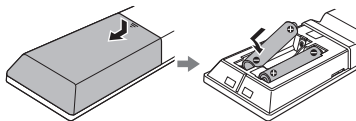
- Do not connect this system to the TV through the video deck.
- When the audio signals input to the HDMI OUT (TV) ARC connector of the system are other than 2-channel Linear PCM signals, the messages "CODE 01" and "SGNL ERR" appear on the display of the unit (page 66).

Hint

- You can also enjoy the sound of audio/video equipment via the system (page 59).
- You can also connect the audio input jacks of an optional equipment (VCR, etc.) to the AUDIO/PARTY CHAIN OUT L/R jacks. For details, refer to the operating instructions of your equipment.
- You can enjoy the Wired Party Chain function by connecting another audio system to this system (page 49).
- If the audio output level from the system is low when connecting the optional 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.

Inserting batteries

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

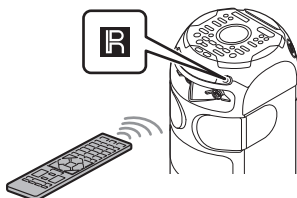


Note

- 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 system using the remote control

Point the remote control at the unit's remote control sensor.

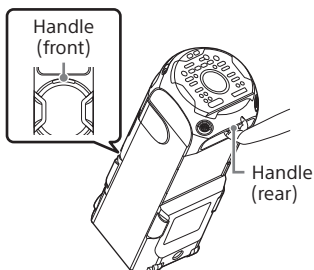


Carrying the unit

The unit has caster wheels so that you can roll it easily.

The caster wheels can be used only on flat surfaces. Lift the unit by two people on uneven surfaces using the handles on the unit. Correct hand placement while carrying the unit is very important to avoid personal injury and/or property damage.

Before carrying the unit, disconnect all the cables.

**Note**

- 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 color system

(Except for Latin American, European, and Russian models)

Set the color system depending on the color system of your TV. Each time you perform the procedure below, the color system changes as follows:

NTSC ↔ PAL

Use the controls on the unit to perform this operation.

- 1 Press **⏻** to turn on the system.
- 2 Touch **FUNCTION** repeatedly to select "DVD/CD".
- 3 Touch and hold **MIC ECHO** and **MEGA BASS** for more than 3 seconds.
"NTSC" or "PAL" appears on the display.

Performing the quick setup

Before using the system, you can make the minimum basic adjustments in the quick setup.

- 1 Turn on your TV and select the input according to the connection.

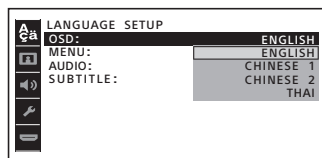
- 2 Press **⏻** to turn on the system.

- 3 Press **FUNCTION** repeatedly to select "DVD/CD".

The guide message [Press ENTER to run QUICK SETUP.] appears at the bottom of the TV screen.

The guide message appears when you turn on the system for the first time or after performing [RESET] (see "Returning the setup menu settings to the default" on page 69).

- 4 Press **+** without loading a disc. [LANGUAGE SETUP] appears on the TV screen. Displayed items may vary depending on country or region.



- 5 Press **↑/↓** repeatedly to select a language, then press **+**. [VIDEO SETUP] appears on the TV screen.

- 6** Press \uparrow/\downarrow repeatedly to select the setting that matches your TV type, then press $\boxed{+}$.

After [QUICK SETUP is complete.] appears on the TV screen, the system is ready for playback.

To change the setting manually

See "Using the Setup Menu" (page 26).

To quit the quick setup

Hold down SHIFT and press SETUP.

Turning off the demonstration

While the system is turned off, press DISPLAY repeatedly until the demonstration is turned off (Power Saving Mode).

The display and the illumination are turned off to conserve power.

To turn on the demonstration, press DISPLAY again.

To turn off the illumination during demonstration, press PARTY LIGHT.

Disc/USB Playback

Basic playback

DVD-V VIDEO CD C D DATA CD DATA DVD USB

For compatible USB devices, see "Websites for compatible devices" (page 11).

(You can use your iPhone/iPod with this system via BLUETOOTH connection only.)

- 1** Press **FUNCTION** repeatedly to select "DVD/CD" or "USB".

- 2** Prepare the playback source.

For DVD/CD function:

Touch \blacktriangle on the unit to open the disc tray and load a disc with the label facing up on the disc tray.

Touch \blacktriangle 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.

For USB function:

Push to open the USB/MIC cover, then connect a USB device to the Ψ (USB) port on the unit.

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 Ψ (USB) port.

- 3** **(DATA CD DATA DVD USB only)**
Press **MEDIA MODE** repeatedly to select [MUSIC] or [VIDEO].
- 4** Press \blacktriangleright to start playback.

Other operations

Depending on the disc or file, the function may not work.

To	Do this
Stop playback	Press ■ .
Pause playback	Press ⏸ .
Resume playback or return to normal playback	Press ▶ .
Cancel the resume point	Press ■ twice.
Select a track, file, chapter, or scene	Press ⏮ or ⏭ during playback. Or, hold down SHIFT and press the numeric buttons, then press + .
Select a folder	Press ⏮ + + repeatedly.
Display the DVD title	Press DVD TOP MENU .
View DVD menu	Press DVD/TUNER MENU .
Locate a point quickly in fast forward or fast reverse (Lock Search)	Press ⏮ or ⏭ during playback. Each time you press ⏮ or ⏭ , the playback speed changes.
Watch frame by frame (Slow-motion Play)	Press ⏸ , then press ⏮ or ⏭ . Each time you press ⏮ or ⏭ , the playback speed changes.

To play from a specific file

- 1 Press **MEDIA MODE** repeatedly to select **[MUSIC]** or **[VIDEO]**.
- 2 Press **SEARCH** to display the folder list on the TV screen.
- 3 Press **⏮**/**⏭** repeatedly to select the folder you want.
- 4 Press **+** to display the file list on the TV screen.
To return to folder list, press **RETURN**.
- 5 Press **⏮**/**⏭** repeatedly to select the file you want, then press **+**.

Other playback operations

Depending on the disc or file, the function may not work.

Searching a specific track



Hold down **SHIFT** and press the numeric buttons to select the track you want, then press **+**.

Searching a specific title/ chapter/scene/track/index



- 1 Press **SEARCH** repeatedly during playback to select the search mode.

- 2 Hold down **SHIFT** and press the numeric buttons to enter the title, chapter, scene, track, or index number you want, then press **[+]**.

Playback starts.

Note

- For VIDEO CD with PBC playback, press **SEARCH** to search the scene.
- For VIDEO CD without PBC playback, press **SEARCH** to search the track and index.

To search for a particular point using the time code

DVD-V

- 1 Press **SEARCH** repeatedly during playback to select the time search mode.
- 2 Hold down **SHIFT** and press the numeric buttons to enter the time code, then press **[+]**.

Example: To find a scene at 2 hours, 10 minutes, and 20 seconds, hold down **SHIFT** and press 2, 1, 0, 2, 0 ([2:10:20]).

If you make a mistake, hold down **SHIFT** and press **CLEAR** to cancel the number.

To search using the DVD menu

DVD-V

- 1 Press **DVD/TUNER MENU**.
- 2 Press **▲/▼/◀/▶**, or hold down **SHIFT** and press the numeric buttons, to select the title or item you want, then press **[+]**.

Changing the camera angles

DVD-V

Press **ANGLE** repeatedly during playback to select the camera angle you want.

Selecting the subtitle setting

DVD-V

Press **SUBTITLE** repeatedly during playback to select the subtitle language you want or turn off the subtitle.

Changing the language/sound

DVD-V

VIDEO CD

C D

DATA CD

DATA DVD

USB

Press **AUDIO** repeatedly during playback to select the audio format or mode you want.

DVD VIDEO

You can select audio format or language when the source contains multiple audio formats or multilingual audio.

When 4 digits are displayed, they indicate a language code. See "Language code list" (page 76) to confirm which language the code represents. When the same language is displayed two or more times, the DVD VIDEO is recorded in multiple audio formats.

VIDEO CD/AUDIO CD/audio file

You can change the sound output.

- **[STEREO]**: The stereo sound.
- **[1/L]/[2/R]**: The monaural sound of the left or right channel.

SUPER VIDEO CD

- [1:STEREO]: The stereo sound of audio track 1.
- [1:1/L]/[1:2/R]: The monaural sound of the left or right channel of audio track 1.
- [2:STEREO]: The stereo sound of audio track 2.
- [2:1/L]/[2:2/R]: The monaural sound of the left or right channel of audio track 2.

Playing a VIDEO CD with PBC functions

VIDEO CD

You can use the PBC (Playback Control) menu to enjoy the interactive features of VIDEO CD (VIDEO CD Version 2.0 and Super VCD).

1 Press ► to play a VIDEO CD with PBC functions.

The PBC menu appears on the TV screen.

2 Hold down SHIFT and press the numeric buttons to select the item number you want, then press [↵].

3 Continue playback according to the instructions on the menu.

Note

PBC playback is canceled when Repeat Play is activated.

To cancel PBC playback

1 Press ◀◀ or ▶▶, or hold down SHIFT and press the numeric buttons, to select a track when playback is stopped.

2 Press ► or [↵].

Playback starts from the selected track.

To return to PBC playback

Press ■ twice, then press ►.

Multi-disc resume play

DVD-V VIDEO CD

This system can store playback resume points for up to 6 discs and resumes playback when you insert the same disc again. If you store a playback resume point for the 7th disc, the resume point for the first disc will be deleted.

To activate this function, set [MULTI-DISC RESUME] in [SYSTEM SETUP] to [ON] (page 29).

Note

To play back from the beginning of the disc, press ■ twice, then press ►.

Using play mode

Playing in sequential order or random order (Normal Play/Shuffle Play)

< ID DATA CD DATA DVD USB

When playback is stopped, press PLAY MODE repeatedly.

■ When playing a disc

- [DISC]: Plays the disc.
- [FOLDER]*: Plays all playable files in the specified folder on the disc.
- [DISC (SHUFFLE)]: Shuffles all audio files on the disc.

- [FOLDER (SHUFFLE)]*: Shuffles all audio files in the specified folder on the disc.

* Cannot be selected for AUDIO CD.

■ When playing a USB device

- [ONE USB DEVICE]: Plays the USB device.
- [FOLDER]: Plays all playable files in the specified folder on the USB device.
- [ONE USB DEVICE (SHUFFLE)]: Shuffles all audio files on the USB device.
- [FOLDER (SHUFFLE)]: Shuffles all audio files in the specified folder on the USB device.

Note

- "FLDR" and "SHUF" light off on the display when Normal Play is set to [DISC] or [ONE USB DEVICE].
- "FLDR" lights up on the display when Normal Play is set to [FOLDER].
- "SHUF" lights up on the display when Shuffle Play is set to [DISC (SHUFFLE)] or [ONE USB DEVICE (SHUFFLE)].
- "FLDR" and "SHUF" lights up on the display when Shuffle Play is set to [FOLDER (SHUFFLE)].
- Shuffle Play cannot be performed for video files.
- Shuffle Play is canceled when you:
 - open the disc tray.
 - perform Synchronized Transfer.
 - change the MEDIA MODE setting.
- Shuffle Play may be canceled when you select a folder or a track to play back.

Playing repeatedly (Repeat Play)

DVD-V

VIDEO CD

CD

DATA CD

DATA DVD

USB

Press REPEAT repeatedly.

Depending on the disc or file, some settings may not be available.

- [OFF]: Does not play back repeatedly.
- [ALL]: Repeats all tracks or files in the selected play mode.
- [DISC]: Repeats all contents (DVD VIDEO and VIDEO CD only).
- [TITLE]: Repeats the current title (DVD VIDEO only).
- [CHAPTER]: Repeats the current chapter (DVD VIDEO only).
- [TRACK]: Repeats the current track.
- [FILE]: Repeats the current video file.

To cancel Repeat Play

Press REPEAT repeatedly to select [OFF].

Note

- "↺" lights up on the display when Repeat Play is set to [ALL] or [DISC].
- "↺ 1" lights up on the display when Repeat Play is set to [TITLE], [CHAPTER], [TRACK] or [FILE].
- You cannot perform Repeat Play with VIDEO CD during PBC playback.
- Depending on the DVD VIDEO, you cannot perform Repeat Play.
- Repeat Play is canceled when you:
 - open the disc tray.
 - turn off the system (DVD VIDEO and VIDEO CD only).
 - change the function (DVD VIDEO and VIDEO CD only).
 - perform Synchronized Transfer.
 - change the MEDIA MODE setting.

Restricting playback of the disc (Parental Control)

DVD-V

You can restrict playback of DVD VIDEOS according to a predetermined level. Scenes may be skipped or replaced with different scenes.

- 1** When playback is stopped, hold down **SHIFT** and press **SETUP**.
- 2** Press **↑/↓** repeatedly to select **[SYSTEM SETUP]**, then press **[+]**.
- 3** Press **↑/↓** repeatedly to select **[PARENTAL CONTROL]**, then press **[+]**.
- 4** Hold down **SHIFT** and press the numeric buttons to enter or re-enter your 4-digit password, then press **[+]**.
- 5** Press **↑/↓** repeatedly to select **[STANDARD]**, then press **[+]**.
- 6** Press **↑/↓** repeatedly to select a geographic area as the playback limitation level, then press **[+]**.
The area is selected.
When you select **[OTHERS→]**, enter the area code for the geographic area you want according to the "Parental Control area code list" (page 75) by holding down **SHIFT** and press the numeric buttons.
- 7** Press **↑/↓** repeatedly to select **[LEVEL]**, then press **[+]**.

- 8** Press **↑/↓** repeatedly to select the level you want, then press



The lower the value, the stricter the limitation.

To turn off the parental control function

Set **[LEVEL]** to **[OFF]** in step 8.

To play back a disc for which the parental control is set

- 1** Load the disc and press **▶**.
The display for entering your password appears on the TV screen.
- 2** Hold down **SHIFT** and press the numeric buttons to enter or re-enter your 4-digit password, then press **[+]**.
The system starts playback.

If you forget your password

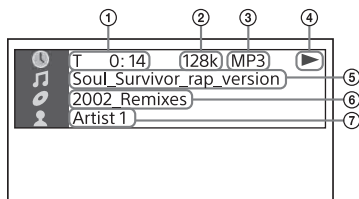
Remove the disc and repeat steps 1 to 3 of "Restricting playback of the disc (Parental Control)" (page 25). Hold down **SHIFT** and press the numeric buttons to enter a password "199703", then press **[+]**. Follow the on-screen instructions and enter a new 4-digit password. Then, reload the disc and press **▶**. You need to enter your new password again.

Viewing information of a disc and USB device

DVD-V VIDEO CD C D DATA CD DATA DVD USA

Information on the TV screen

Hold down **SHIFT** and press **DISPLAY** repeatedly during playback.



- ① **Playback information**
Playing time and remaining time
- ② **Bit rate**
- ③ **Media type**
- ④ **Playback status**
- ⑤ **Title¹⁾/track/file name²⁾**
- ⑥ **Album name¹⁾/folder name²⁾/chapter number/index number**
- ⑦ **Artist name¹⁾²⁾**
Appears when playing an audio file.

¹⁾ If an audio file has an ID3 tag, the system will display an album name/title name/artist name from the ID3 tag information. The system can support ID3 ver 1.0/1.1/2.2/2.3.

²⁾ If the name contains characters which cannot be displayed, those characters will be displayed as " _ ".

Note

- Depending on the source being played, some information or characters cannot be displayed.
- Depending on the play mode, the information displayed may be different.

Information on the display

Press **DISPLAY** repeatedly when the system is turned on.

You can view the information as follows:

- Playing time/remaining time of track, title, chapter
- Scene number
- 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 and video 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.

Using the Setup Menu

Displayed items vary depending on the country or region.

Note

Playback settings stored in the disc take priority over the setup menu settings. Therefore, some of the setup menu settings may not be performed.

1 When playback is stopped in DVD/CD or USB function, hold down **SHIFT and press **SETUP**.**

The setup menu appears on the TV screen.

- 2 Press \uparrow/\downarrow repeatedly to select the setup item you want, then press \rightarrow .
- 3 Press \uparrow/\downarrow repeatedly to select the item you want, then press \rightarrow .
- 4 Press \uparrow/\downarrow repeatedly to select the setting you want, then press \rightarrow .
The setting is selected and setup is completed.

To exit the menu

Hold down SHIFT and press SETUP.



Setting the language – [LANGUAGE SETUP]

[OSD]

Sets the language of the on-screen display.

[MENU]

DVD-V

Sets the language for the DVD menu.

[AUDIO]

DVD-V

Switches the language of the sound track.

When you select [ORIGINAL], the language given priority in the disc is selected.

[SUBTITLE]

DVD-V

Switches the language of the subtitle.

When you select [AUDIO FOLLOW], the language for the subtitles changes according to the language you selected for the sound track.

Note

If you select [OTHERS→] in [MENU], [AUDIO], and [SUBTITLE], enter a language code from the "Language code list" (page 76) using the numeric buttons.

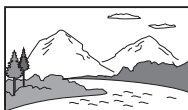


Setting the TV screen – [VIDEO SETUP]

[TV TYPE]

DVD-V

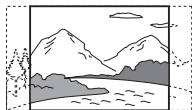
[16:9]: Selects this when you connect a wide-screen TV or a TV with a wide-mode function.



[4:3 LETTER BOX]: Selects this when you connect a 4:3 screen TV that does not have a wide-mode function. Displays a wide picture with black bands on the top and bottom.



[4:3 PAN SCAN]: Selects this when you connect a 4:3 screen TV that does not have a wide-mode function. Displays a full-height picture on the entire screen, with trimmed sides.

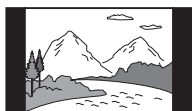


[4:3 OUTPUT]

DVD-V

[FULL]: Selects this when you connect a TV with a wide-mode function. Displays a 4:3 screen picture in 16:9 aspect ratio even on a wide-screen TV.

[NORMAL]: Changes the picture size to fit the screen size with the original picture aspect ratio. Displays black bands on the left and right side if you display a 4:3 screen picture.



[COLOR SYSTEM(VIDEO CD)]

(Except for Latin American, European, and Russian models)

VIDEO CD

[AUTO]: Outputs the video signal according to the color system of the disc. Select this setting if your TV uses a DUAL system.

[PAL]: Outputs the video signal in PAL system.

[NTSC]: Outputs the video signal in NTSC system.

For details, see "Changing the color system" (page 19).

[PAUSE MODE]

DVD-V

[AUTO]: The picture, including subjects that move dynamically, is output with no jitter. Normally select this setting.

[FRAME]: The picture, including subjects that do not move dynamically, is output in high resolution.



Setting the audio options - [AUDIO SETUP]

[AUDIO DRC]

(Dynamic Range Compression)

DVD-V

[OFF]: Off.

[STANDARD]: Selects this when watching movies at low volume late at night. The dynamic range is compressed as intended by the recording engineer.

[TRACK SELECTION]

DVD-V

[OFF]: No priority given.

[AUTO]: Gives priority to the sound track which contains the highest number of channels when you play back a DVD VIDEO on which multiple audio formats (PCM, MPEG audio, or Dolby Digital) are recorded.

[A/V SYNC]

DVD-V

VIDEO CD

DATA CD

DATA DVD

(Video files only)

[OFF]: Does not adjust.

[ON]: Adjusts the delay between picture and sound when the sound does not synchronize with the displayed picture.

[DOWNMIX]**DVD-V**

[NORMAL]: Outputs multi-channel audio into a 2-channel stereo signal.

[DOLBY SURROUND]: Outputs multi-channel audio into a 2-channel surround signal.


Setting the system
- [SYSTEM SETUP]
[SCREEN SAVER]

[ON]: The screen saver image appears if you do not operate the system for about 15 minutes. Press \triangle +/- to exit the screen saver.

[OFF]: Off.

[BACKGROUND]

[JACKET PICTURE]: The jacket picture (still picture) recorded on the disc appears in the background.

[GRAPHICS]: A preset picture stored in the system appears in the background.

[BLUE]: The background color is blue.

[BLACK]: The background color is black.

[PARENTAL CONTROL]

Sets the playback restrictions. For details, see "Restricting playback of the disc (Parental Control)" (page 25).

[MULTI-DISC RESUME]**DVD-V****VIDEO CD**

[ON]: Stores the resume playback point in the memory for up to 6 discs.

[OFF]: Playback starts at the resume playback point only for the current disc in the system.

[RESET]

Returns the setup menu settings to the default settings. For details, see "Returning the setup menu settings to the default" (page 69).


Setting the HDMI options
- [HDMI SETUP]
[HDMI RESOLUTION]

Selects the TV output resolution when the TV is connected via HDMI cable.

[AUTO(1920×1080p)]: Outputs video signals according to the resolution of the TV.

[1920×1080i]/[1280×720p]/[720×480p]¹⁾/[720×480/576p]²⁾: Outputs video signals according to the selected resolution setting.

¹⁾ For Latin American models only.

²⁾ For other models.

[YCbCr/RGB(HDMI)]

[YCbCr]: Outputs YCbCr video signals.

[RGB]: Outputs RGB video signals.

[AUDIO(HDMI)]

[AUTO]: Outputs audio signals in original format from HDMI OUT (TV) ARC connector.

[PCM]: Outputs 2-channel Linear PCM signals from HDMI OUT (TV) ARC connector.

[CONTROL FOR HDMI]

[ON]: The Control for HDMI function is enabled. You can operate mutually between system and TV connected with an HDMI cable.

[OFF]: Off.

[AUDIO RETURN CHANNEL]

Set this function when the system is connected to a TV's HDMI IN connector that is compatible with Audio Return Channel. This function is available when you set [CONTROL FOR HDMI] to [ON].

[ON]: You can listen to TV sound from the speakers of the system.

[OFF]: Off.

[STANDBY LINKED TO TV]

This function is available when you set [CONTROL FOR HDMI] to [ON].

[AUTO]: When you turn off the TV, the system turns off automatically in the following conditions:


- While playing video in DVD/CD or USB function.
- When the audio playback is stopped in DVD/CD or USB function.
- When TV function is selected.

[ON]: The system turns off automatically when you turn off the TV regardless of the function.

[OFF]: The system does not turn off when you turn off the TV.

USB Transfer

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.

For compatible USB devices, see "Websites for compatible devices" (page 11).

(You can use your iPhone/iPod with this system via BLUETOOTH connection only.)

Note

- Do not remove the USB device during transfer operation. 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 operation is 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 **↑/↓** repeatedly to select "BIT RATE", then press .

- 3 Press **↑/↓** 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

- Synchronized Transfer: Transfer all tracks or MP3 files from a disc to USB device.
- REC1 Transfer: Transfer a single track or MP3 file during playback.

- 1 **Push to open the USB/MIC cover, then connect a transferable USB device to the  (USB) port on the unit.**

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  (USB) port.

- 2 **Press **FUNCTION** repeatedly to select "DVD/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.

Note

If you start transferring in Shuffle Play or Repeat Play, the selected play mode changes to Normal Play automatically.

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:

The disc stops automatically.

REC1 Transfer:

The disc continues to play the next track or file.

To stop transfer

Press **■**.

Notes on transfer

- You cannot transfer MP3 files on a UDF (Universal Disk Format) formatted disc to the USB device.
- 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 all 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 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".
- 2 Press **MEDIA MODE** repeatedly to select [MUSIC].
- 3 When playback is stopped, press **OPTIONS**.
- 4 Press **↕/↕** repeatedly to select "ERASE", then press **[+]**.
The folder list is displayed on the TV screen.
- 5 Press **↕/↕** repeatedly to select a folder, then press **[+]**.
The file list is displayed on the TV screen.

- 6** Press **↑/↓** repeatedly to select an audio file you want to erase, then press **[+]**.

If you want to erase all the audio files in the folder, select [ALL TRACKS] on the list.

"FOLDER ERASE" or "TRACK ERASE" and "PUSH ENTER" appear on the display.

To cancel erase operations, press **■**.

- 7** Press **[+]**.

"COMPLETE" appears on the display.

To exit the options menu, press **OPTIONS**.

Note

- You can erase the supported audio file, MP4 format file, and 3GP format file only.
- You cannot erase audio files or folders when Shuffle Play has been selected. Set the play mode to Normal Play before erasing.
- Erase operation is prohibited when the disc tray is opened.
- Do not remove the USB device during erase operations.

Tuner

Listening to the radio

- 1** Press **FUNCTION** repeatedly to select "TUNER FM".

- 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 **■** to stop scanning. Then, perform manual tuning (below).

For manual tuning:

Press **TUNING+/-** repeatedly to tune to the station you want.

Note

When you tune to an FM station that provides RDS services, information such as the service name or station name is provided by broadcasts. You can check the RDS information by pressing **DISPLAY** repeatedly.

Hint

To reduce static noise on a weak FM stereo station, press **FM MODE** repeatedly until "ST" lights off on 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 Tune to the station you want.

2 Press DVD/TUNER MENU.

3 Press $\blacktriangle/\blacktriangledown$ repeatedly to select the preset number you want, then press $\boxed{+}$.

"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. Alternatively, hold down SHIFT and press the numeric buttons, then press $\boxed{+}$.

BLUETOOTH Connection

Streaming music from a BLUETOOTH device

Supported BLUETOOTH version, profiles and codecs

For details, see "BLUETOOTH section" (page 74).

Compatible BLUETOOTH devices

For details, see "Websites for compatible devices" (page 11).

About the BLUETOOTH indicator

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

- Flashes slowly: System is ready for pairing
- Flashes quickly: During pairing
- Lights up: Connection is established

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 BLUETOOTH device, the manual pairing procedure is not necessary. (See “One Touch BLUETOOTH Connection by NFC” (page 37).)

1 Place the BLUETOOTH device within 1 meter from the unit.

2 Touch FUNCTION on the unit repeatedly to select “BLUETOOTH”.

Note

- 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 3 seconds or more.
“PAIRING” flashes on the display.

4 Turn on the BLUETOOTH function on the BLUETOOTH device and perform the pairing procedure.

For details, refer to the operating instructions of your BLUETOOTH device.

5 Select the system’s name (for example, “MHC-V82D”) 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 8 BLUETOOTH devices. If the 9th BLUETOOTH device is paired, the oldest paired device will be deleted.

To cancel the pairing operation

Touch and hold – PAIRING on the unit for 3 seconds or more until “BT AUDIO” appears on the display.

To erase pairing information

You can erase all pairing information by resetting the system. See “Resetting the system” (page 69).

Note

After you reset the system, it may not be able to connect with your iPhone/iPod. In this case, delete the pairing information of the system on your iPhone/iPod, then perform the pairing operation again.

Listening to music on a paired BLUETOOTH device

Before playing music, check that the BLUETOOTH function of the BLUETOOTH device is turned on. Once the system and the BLUETOOTH device are connected, you can control playback by pressing ►, II, ■, ◀◀/▶▶ and ◀◀/▶▶I.

- 1 Touch FUNCTION on the unit repeatedly to select "BLUETOOTH".**
- 2 Touch BLUETOOTH or ► on the unit.**

The system connects to the last connected BLUETOOTH device. The device name appears on the display.

Perform the BLUETOOTH connection from the BLUETOOTH device if the device is not connected.
- 3 Touch ► to start playback.**

Depending on the BLUETOOTH device, you may need to:

 - touch ► twice.
 - 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.

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.

Connecting this system with multiple BLUETOOTH devices (Multi-device connection)

You can connect up to three BLUETOOTH devices to the system at the same time with A2DP/AVRCP connection.

To pair with the second or third device

Repeat steps 1 to 6 of "Pairing this system with a BLUETOOTH device" (page 34).

To switch the playback source

During playback from a connected BLUETOOTH device, start playback on another connected BLUETOOTH device. The system will output the sound from the most recent playback device.

Note

- Operations may vary depending on the BLUETOOTH device. A BLUETOOTH device may not be connectable depending on the combination of the devices. For details, refer to the operating instructions of the device.

- If you try to connect a 4th BLUETOOTH device, the oldest playback device will be disconnected.
- Depending on the BLUETOOTH device, you may not be able to make three BLUETOOTH connections at the same time.
- You cannot establish a multi-device connection when using the Wireless Party Chain function or Speaker Add function.

To disconnect any BLUETOOTH device from a multi-device connection

Terminate the BLUETOOTH connection on the BLUETOOTH device which you want to disconnect.

To disconnect all BLUETOOTH devices from a multi-device connection

Touch BLUETOOTH on the unit.

One Touch BLUETOOTH Connection by NFC

When you touch the system with an NFC-compatible BLUETOOTH device, the system automatically:

- turns on in the BLUETOOTH function.
- completes the pairing and BLUETOOTH connection.

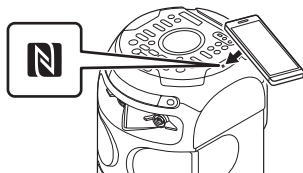
Compatible BLUETOOTH devices

BLUETOOTH devices with a built-in NFC function (OS: Android™ 4.1 or later)

Note

Depending on your NFC-compatible BLUETOOTH device, you may need to turn on the NFC function in advance. For details, refer to the operating instructions of the BLUETOOTH device.

- 1 **Touch the BLUETOOTH device to the N-Mark on the unit until the BLUETOOTH device responds to the system.**



Complete the connection by following the instructions displayed on the BLUETOOTH device.

When the BLUETOOTH connection is established, the BLUETOOTH device name appears on the display.

- 2 **Start playback of an audio source on the BLUETOOTH device.**

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 BLUETOOTH device if using a commercially available case.
- Touch the BLUETOOTH device to the N-Mark on the unit again.

To terminate the BLUETOOTH connection

Touch the BLUETOOTH device to the N-Mark on the unit again.

Setting the BLUETOOTH audio codecs

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

1 Press OPTIONS.
2 Press \uparrow/\downarrow repeatedly to select "BT CODEC", then press $\boxed{+/-}$.

3 Press \uparrow/\downarrow repeatedly to select the setting, then press $\boxed{+}$.

- "AUTO": Enable reception in AAC or LDAC codec format.
- "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 content¹⁾, and allows approximately three times more data²⁾ 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.

Setting the BLUETOOTH standby mode

The BLUETOOTH standby mode enables the system to turn on automatically when you establish a BLUETOOTH connection from a BLUETOOTH device.


1 Press OPTIONS.
2 Press \uparrow/\downarrow repeatedly to select "BT STBY", then press $\boxed{+/-}$.
3 Press \uparrow/\downarrow repeatedly to select the setting, then press $\boxed{+}$.

- "ON": The system turns on automatically even when the system is in standby mode.
- "OFF": Off.

To exit the options menu, press OPTIONS.

Turning on or off the BLUETOOTH signal

You can connect to the system from a paired BLUETOOTH device when the system's BLUETOOTH signal is set to on. The BLUETOOTH signal is turned on by default.

Touch and hold  **+** and **MEGA BASS** on the unit for about **3 seconds**.

"BT ON" or "BT OFF" appears on the display.

Note

- You cannot perform the following operations when BLUETOOTH signal is set to off:
 - Pair and/or connect with BLUETOOTH device.
 - Use "Sony | Music Center" app.
 - Change the BLUETOOTH audio codecs.
- If you touch the N-Mark on the unit with an NFC-compatible BLUETOOTH device or set the BLUETOOTH standby mode to on, the BLUETOOTH signal will be set to on automatically.

Apps Control

Operating the system using "Sony | Music Center" and "Fiestable" apps



Sony | Music Center



Fiestable

You can operate the system using the free apps "Sony | Music Center" and "Fiestable" on your smartphone/iPhone. "Sony | Music Center" and "Fiestable" are available on both Google Play and the App Store.

Before you start

- 1 Search for "Sony | Music Center" or scan the two-dimensional code below. Then, download the app on your smartphone/iPhone.



- 2 Search for "Fiestable", then download the app.

Operating the system using the apps

1 Establish a BLUETOOTH connection between the system and your smartphone/iPhone (page 34).

2 Launch "Sony | Music Center".

"Sony | Music Center" app allows you to:

- change function of the system.
- control playback of disc/USB device.
- tune to an FM station.
- browse music content of disc/USB device.
- view information of disc, USB device, and FM station.
- adjust volume.
- change sound settings, DJ Effect, and illumination.
- control multiple systems when using the Wireless Party Chain or Speaker Add function.

To use "Fiestable" app, touch "Fiestable" icon on the "Sony | Music Center" screen.



"Fiestable" app allows you to:

- operate DJ Effect.
- change illumination.
- enjoy Motion Control function.
- use Karaoke features.

Note

- If the "Sony | Music Center" app 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.
- Refer to "Sony | Music Center" Help for more details.
<http://info.vssupport.sony.net/help/>



- The specifications and design of the application may change without notice.

Achieving and sharing a Party People ranking and getting bonus features (Party King)

The system has a unique feature that automatically records your system usage.

Based on your usage, the system will rank you a Party People ranking according to predefined criteria. The more frequently you use the system, the higher a ranking you will achieve.

Once you have achieved a certain Party People ranking, you can share your achievement through social media.

The system will also award your achievements with bonus features.

Note

To use this feature, make sure "Sony | Music Center" and "Fiestable" apps (page 39) have been installed on your device.

1 Establish a BLUETOOTH connection between the system and your device (page 34).

2 Launch “Sony | Music Center” and touch the “Fiestable” icon.
You can check your current ranking, explore bonus features and also find out how to achieve next ranking.

Using Voice Control via “Fiestable”

You can operate the system by speaking preset voice commands that appear on your smartphone/iPhone screen.

Note

- Supported languages are as follows:
English/Brazilian Portuguese/French/
German/Italian/Polish/Russian/
Spanish
- If your smartphone/iPhone is set to an unsupported language, the list of preset voice commands will be displayed in English.

1 Establish a BLUETOOTH connection between the system and your smartphone/iPhone (page 34).

Make sure your smartphone/iPhone is connected to the Internet.

2 Launch “Sony | Music Center” and touch the “Fiestable” icon.

3 Touch “Voice Control via Fiestable”.

The preset voice commands appear on the app screen.

4 Touch the microphone icon on the app screen.

The system is muted. Speak into the microphone of your smartphone/iPhone. Your voice will be sent to an online speech to text conversion service. When the conversion completes, the command will be sent back to the system. Muting is canceled and the system will respond according to the command.

Note

The Voice Control via “Fiestable” does not work in the following cases:

- When the system is a Party Guest in the Wired Party Chain function.
- During the Taiko game.
- The built-in sound demonstration is turned on.
- When you open the disc tray.
- During USB transfer or erase operations.
- When the online speech to text conversion service is not available, terminated or the connection failed.
- When your smartphone/iPhone microphone is being used by other application.

Creating party lighting atmosphere via “Fiestable”

You can synchronize the screen illumination and flash light of multiple smartphones/iPhone using this function.

1 Turn on the illumination of the system (page 58).

2 Start playing the music.

3 Turn on the **BLUETOOTH** function on your smartphone/iPhone.

Note

- BLUETOOTH connection is not required unless you are using multiple systems. If you want to synchronize your smartphone/iPhone with a specific system, establish a BLUETOOTH connection between your smartphone/iPhone and that system (page 34). Otherwise, proceed to step 4 and your smartphone/iPhone will synchronize with the nearest system.
- Make sure to turn on the location service on your smartphone/iPhone.

4 Launch “Fiestable” and touch “Party Light via Fiestable”.

All smartphone/iPhone screen illumination and flash light flashes synchronously.

Control for HDMI

Using the Control for HDMI function

Connecting a TV compatible with the Control for HDMI function* by HDMI cable (High Speed HDMI Cable with Ethernet, not supplied) enables you to easily operate the device by a TV remote control.

* Control for HDMI is a standard used by CEC (Consumer Electronics Control) for allowing HDMI (High-Definition Multimedia Interface) devices to control each other.

Note

This function may work with devices other than those manufactured by Sony, but operation is not guaranteed.

Preparing to use the Control for HDMI function

Hold down SHIFT and press SETUP, then set [HDMI SETUP] – [CONTROL FOR HDMI] to [ON] (page 29). The default setting is [ON].

Enable the Control for HDMI function settings for the TV connected to the system.

Hint

If you enable the Control for HDMI (“BRAVIA” sync) function when using a TV manufactured by Sony, the Control for HDMI function of the system is also enabled automatically. When settings are completed, “COMPLETE” appears on the display.

System Power Off function

When you turn off the TV, the system will turn off automatically.

Hold down SHIFT and press SETUP, then set [HDMI SETUP] – [STANDBY LINKED TO TV] to [ON] or [AUTO] (page 30). The default setting is [AUTO].

Note

The connected device may not turn off depending on the status of the device.

System Audio Control function

If you turn on the system while you are watching the TV, the TV sound will be output from the speakers of the system. The volume of the system can be adjusted using the TV's remote control.

If the TV sound was output from the speakers of the system the previous time you watched the TV, the system will be turned on automatically when you turn on the TV again. Operations can also be made by the TV's menu. For details, refer to the operating instructions of your TV.

Note

- The system's volume level is displayed on the TV screen depending on the TV. It may differ from the volume level on the display.
- Depending on the settings of the TV, the System Audio Control function may not be available. For details, refer to the operating instructions of your TV.

Audio Return Channel

If the system is connected to a TV's HDMI IN connector compatible with Audio Return Channel, you can listen to TV sound from the speakers of the system without connecting an audio cable (not supplied).

Hold down SHIFT and press SETUP, then set [HDMI SETUP] – [AUDIO RETURN CHANNEL] to [ON] (page 30). The default setting is [ON].

Note

If the TV is not compatible with Audio Return Channel, an audio cable (not supplied) needs to be connected (page 17).

One-Touch Play function

When you press ► in DVD/CD or USB function, the TV is turned on automatically. The TV's input is switched to the HDMI input which the system is connected.

Note

Depending on the TV, the beginning part of content being played may not play correctly.

Remote Easy Control

You can select the system by the SYNC MENU button on the TV remote control and operate the system.

This function can be used if the TV supports the link menu. For details, refer to the operating instructions of your TV.

Note

- In the TV's link menu, the system is recognized by the TV as "Player".
- Some operations may not be available with some TVs.

Language Follow

When you change the language for the on-screen display of the TV, the system's on-screen display language is also changed.

Gesture Control

Operating playback, DJ Effect, sampler, and karaoke

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

Use the controls on the unit to perform this operation.

1 Touch **GESTURE ON/OFF** repeatedly to select **"GESTURE1"**.

The GESTURE CONTROL lights up.

2 Touch **PLAYBACK, DJ, SAMPLER** or **KARAOKE** to select the mode you want.

For PLAYBACK mode, touch FUNCTION repeatedly to select the function you want.

3 Swipe your hand over the **GESTURE CONTROL** sensor.

For **PLAYBACK** mode:

You can control basic playback when playing music from a disc, USB device, or BLUETOOTH device.

To	Swipe in this direction
Go backward	←
Go forward	→
Play	↑
Stop	↓
Increase volume	↺
Reduce volume	↻

For **DJ mode**:

You can select a DJ Effect to create a party atmosphere.

To	Swipe in this direction
Select FLANGER ¹⁾	←
Select ISOLATOR ²⁾	→
Select WAH ³⁾	↑
Select PAN ⁴⁾	↓
Increase the level of the selected effect	↺
Reduce the level of the selected effect	↻

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:

To output	Swipe in this direction
"Come On!"	←
"Let's Go!"	→
Reggae Horn sound	↑
Phaser sound	↓
Scratch sound	↺
Audience sound	↻

For KARAOKE mode:

You can operate the following karaoke features.

To	Swipe in this direction
Reduce the pitch of music (b)	←
Increase the pitch of music (#)	→
Increase the microphone volume	↑
Reduce the microphone volume	↓
Output hand clapping sound	↷
Output booing sound	↶

To adjust the level of the sampler

- 1 Press **OPTIONS** on the remote control.
- 2 Press **↑/↓** on the remote control repeatedly to select "SAMPLER", then press **[+]**.
- 3 Press **↑/↓** on the remote control repeatedly to adjust the sampler level, then press **[+]**.

To exit the options menu, press **OPTIONS**.

To turn off the DJ mode

Swipe your hand over the **GESTURE CONTROL** sensor in the same direction as in step 3 of "Operating playback, DJ Effect, sampler, and karaoke" (page 44).

To deactivate the Gesture Control

Touch **GESTURE ON/OFF** repeatedly to select "OFF".

The **GESTURE CONTROL** lights off.

Note

- Do not touch or contact to the **GESTURE CONTROL** sensor when you perform the swiping motion.
- The **DJ Effect** is automatically turned off when you:
 - deactivate the **Gesture Control**.
 - change the mode to **PLAYBACK/SAMPLER/KARAOKE**.
 - turn off the system.
 - change the function.
 - activate or deactivate the **Wired Party Chain** and **Wireless Party Chain** function.
 - change the sound field.
 - use the **Vocal Fader**.
 - change the key (**Key Control**).
- If you activate the **DJ Effect** during transferring, the sound effect will not be transferred onto the **USB** device.

Controlling the pitch of your voice or music source

You can have fun listening to your voice or music at different pitch by using this function.

Use the controls on the unit to perform this operation.

Controlling the pitch of your voice

- 1 Touch **GUITAR** on the unit repeatedly until **GUITAR** indicator lights off.

2 Push to open the USB/MIC cover, then connect an optional microphone to MIC1 or MIC2/ GUITAR jack on the unit.

3 Touch **GESTURE ON/OFF** repeatedly to select **"GESTURE2"**.

The GESTURE CONTROL lights up. "MIC PITCH CONTROL" appears on the display after 2 seconds.

4 Start singing or speaking into the microphone.

5 Move your hand up or down over the **GESTURE CONTROL** sensor.

The pitch of your voice changes accordingly.

Controlling the pitch of the music source

Note

Make sure you disconnect the microphone from the system.

1 Touch **GESTURE ON/OFF** repeatedly to select **"GESTURE2"**.

The GESTURE CONTROL lights up. "MUSIC PITCH CONTROL" appears on the display after 2 seconds.

2 Start playing the music.

3 Move your hand up or down over the **GESTURE CONTROL** sensor.

The pitch of the music changes accordingly.

Notes on pitch control

- Do not touch or contact to the GESTURE CONTROL sensor when you move your hand up or down over it.
- Other Gesture Control motions do not work in "GESTURE2" mode.
- The "GESTURE2" mode is automatically turned off when you:
 - activate the Taiko mode.
 - change the mode to PLAYBACK/ SAMPLER/KARAOKE/DJ.
 - turn on the DJ Effect.
 - turn on the guitar mode.¹⁾
 - select "FIESTA" / "MOVIE1" / "MOVIE2" / "DRAMA/NEWS" / "GAME" sound field.²⁾
 - turn on Virtual Football mode.²⁾
 - turn off the system.
 - change the function.
- The pitch of your voice or the music returns to default when you move your hand away from the GESTURE CONTROL sensor.

¹⁾ During "MIC PITCH CONTROL" mode only.


²⁾ During "MUSIC PITCH CONTROL" mode only.

To deactivate the Gesture Control

Touch **GESTURE ON/OFF** repeatedly to select **"OFF"**.

The GESTURE CONTROL lights off.

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

You can deactivate the controls (except ) on the unit for 30 seconds to wipe the touch panel. To use this function, make sure "GESTURE1" mode has been selected (page 44).

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

While the party lock is applied, the touch panel indications of the unit are turned off.

Sound Adjustment

Adjusting the sound

Reinforcing bass sound and creating more powerful sound

Press MEGA BASS repeatedly to select "BASS ON".

The MEGA BASS indicator lights up. To cancel, press MEGA BASS again.

Selecting a sound field

Press SOUND FIELD +/- (or touch SOUND FIELD on the unit) repeatedly to select the sound field you want.

To cancel, press SOUND FIELD +/- (or touch SOUND FIELD on the unit) repeatedly to select "FLAT".

To select FIESTA sound field directly

Touch FIESTA on the unit. This setting reproduces the sound effect of a party hall.

To select the Virtual Football mode

Note that you can only select Virtual Football mode during AUDIO IN and TV functions.

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.

Note

- 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 \uparrow/\downarrow repeatedly to select “CUSTOM EQ”, then press $\boxed{+}$.**
- 3 Press \uparrow/\downarrow repeatedly to adjust the equalizer level or surround setting, then press $\boxed{+}$.**
- 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

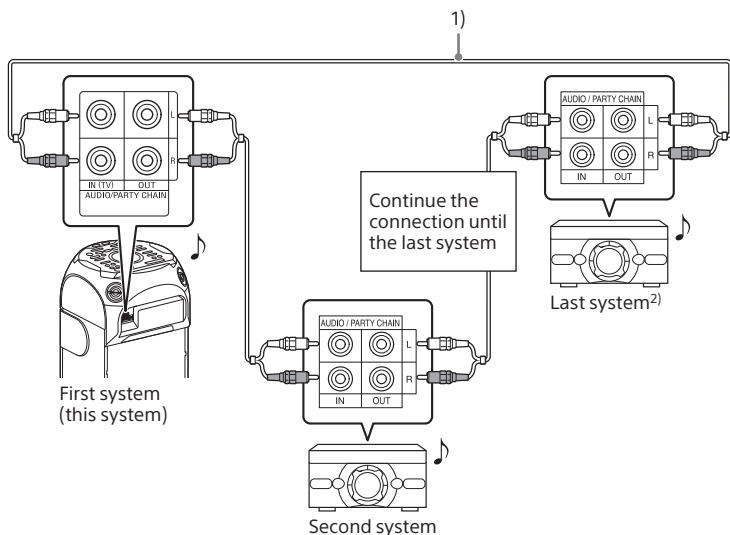
Press SOUND FIELD +/- (or touch SOUND FIELD on the unit) repeatedly to select “CUSTOM EQ”.

Enjoying Wired Party Chain function

You can connect multiple audio systems in a chain to create a more exciting party environment and to produce higher sound output. One activated system in the chain serves as the Party Host and shares music with other systems (Party Guests).

Example: When using this system as the Party Host

1 Set up a Wired Party Chain by connecting all the systems using audio cables (not supplied).



1) Connect this cable only if the last system is equipped with Wired Party Chain function.

2) **If one of the systems is not equipped with Wired Party Chain function**

- Connect the system which is not equipped with Wired 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.
- You must select the first system as Party Host so that all systems are playing the same music when Wired Party Chain function is activated.

2 Plug in the AC power cord (mains lead) and turn on all the systems.

3 Adjust the volume on each system.

4 Touch FUNCTION repeatedly on the Party Host to select the function you want.

If all the systems are equipped with the Wired Party Chain function, do not select the AUDIO IN function. If you select this function, sound cannot be output.

5 Start playing the music, then touch PARTY CHAIN on the Party Host.

"PARTY CHAIN" appears on the display. The Party Host starts the Wired Party Chain, and other systems become Party Guests automatically.

"WIRED P.CHAIN" lights up on the display of Party Host and Party Guests.

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.
- The Party Guest continues playing the music source as Party Host even when you change the function on Party Guest. However, you can adjust the volume and change the sound effect on Party Guest.
- When you use the microphone or play the guitar 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 Wired 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 the Wired Party Chain function)

Repeat steps 4 and 5 on the system to be used as a new Party Host. The current Party Host becomes Party Guest automatically.

Note

- You can select another system as the new Party Host only after the Wired 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 steps 4 and 5.

To deactivate the Wired Party Chain

Touch PARTY CHAIN on the Party Host.

"LEAVE PARTY" appears on the display.

Note

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

Setting a Wired Party Chain sound mode

You can set a sound mode when the Wired Party Chain function is activated.

1 Press OPTIONS.

2 Press \uparrow/\downarrow 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**.

Enjoying Wireless Party Chain function

You can connect multiple audio systems in a chain via **BLUETOOTH** connection if all the systems are equipped with the Wireless Party Chain function. This function allows you to create a more exciting party environment and to produce higher sound output without a cable connection.

Note that you can only play back audio source from a **BLUETOOTH** device.

The first system in the chain to be activated becomes the Party Host and shares music with other systems (Party Guests).

Example: When using this system as the Party Host

1 Turn on all the systems.

2 Set the first system as the Party Host.

- ① Touch **BLUETOOTH** on the unit to select the **BLUETOOTH** function.
- ② Connect the **BLUETOOTH** device to the system via **BLUETOOTH** connection.

- ③ Touch **WIRELESS PARTY CHAIN** on the unit.
"CHAINING" flashes on the display. The system enters the Wireless Party Chain setup mode.

When the system entered Wireless Party Chain setup mode, connection to the **BLUETOOTH** device is terminated automatically.

3 Set the second system as a Party Guest.

- ① Touch **BLUETOOTH** on the second system to select the **BLUETOOTH** function.
- ② Touch **WIRELESS PARTY CHAIN** on the second system.
The second system becomes a Party Guest.
"P.CHAIN" lights up on the display.

Note

The Wireless Party Chain function is canceled in the following conditions:

- There is no operation within 1 minute after the Party Host is set in step 2.
- **WIRELESS PARTY CHAIN** is touched again on the Party Host before step 3 is completed.

4 Set the third or additional systems as Party Guests.

Repeat step 3.

Note

Connect the third or additional systems within 30 seconds of connecting the previous system. "P.CHAIN" flashes on the display of the Party Host during these 30 seconds. After 30 seconds, the system cannot be connected.

5 Wait 30 seconds after the last Party Guest is connected.

"P.CHAIN" stops flashing on the display of the Party Host and the BLUETOOTH device reconnects to the Party Host.

6 Start playback on the connected BLUETOOTH device.

7 Adjust the volume on the Party Host.

The volume on the Party Guests will be adjusted accordingly. If you want to adjust the volume on a particular Party Guest, adjust the volume on that Party Guest.

Note

- When you watch video on your BLUETOOTH device during Wireless Party Chain function, there may be a delay between the audio and video.
- You cannot select another system as the new Party Host while the Wireless Party Chain is activated.
- When you use the microphone or play the guitar on Party Host, the sound will not be output from Party Guests.
- Sleep Timer and automatic standby functions are not available on Party Guests.
- For detailed operation on other systems, refer to the operating instructions of the systems.

Hint

To add new Party Guests after Wireless Party Chain has already been established, touch and hold WIRELESS PARTY CHAIN on the Party Host, then repeat step 3.

To deactivate the Wireless Party Chain

Touch WIRELESS PARTY CHAIN on the Party Host.

Note

When you change the function or turn off the Party Host, the Wireless Party Chain is also deactivated.

To make a Party Guest leave the Wireless Party Chain

Touch WIRELESS PARTY CHAIN on the Party Guest which want to leave.

Note

When you change the function or turn off a particular Party Guest, that Party Guest leaves the Wireless Party Chain connection.

Synchronization of settings in a Wireless Party Chain

When a Wireless Party Chain has been established, the following settings on the Party Host and Party Guests are changed:

- If MEGA BASS and illumination settings are changed on the Party Host, the settings on Party Guests are also changed.
- DJ Effect and Karaoke settings such as Vocal Fader and Key Control are turned off on both Party Host and Party Guests.
- Sound field settings return to defaults on both Party Host and Party Guests.
- When the Party Host is turned off, the Party Guests are also turned off.

Listening to music wirelessly with two systems (Speaker Add function)

To use this function, two same model systems are required. By connecting two systems via BLUETOOTH connection, you can enjoy music in a more powerful way. In the following steps, the two systems are described as "Host system" and "Guest system".

Note

- To use this function, make sure "Sony | Music Center" app (page 39) has been installed to your BLUETOOTH device.
- Be sure that the BLUETOOTH device has paired with both Host system and Guest system. For details on the pairing operation, see "Pairing this system with a BLUETOOTH device" (page 34).

- 1 Place two systems of the same model within 1 meter of each other.**
- 2 Turn on Host system and Guest system.**
- 3 Touch BLUETOOTH on Host system and Guest system to select the BLUETOOTH function.** "BLUETOOTH" appears on the display.
- 4 Connect Host system and a BLUETOOTH device via BLUETOOTH connection (page 34).**

- 5 Launch "Sony | Music Center" and follow the on-screen instructions to setup the Speaker Add for Host system and Guest system.**

"HOST" appears on the display of Host system, and "GUEST" appears on the display of Guest system.

- 6 Set the output mode using "Sony | Music Center" on your BLUETOOTH device.**

- "Double Mode": Outputs the stereo sound from both systems.
- "Stereo mode - right": Outputs the monaural sound of the right channel from Host system, and the left channel from Guest system.
- "Stereo mode - left": Outputs the monaural sound of the left channel from Host system, and the right channel from Guest system.

- 7 Start playback on the BLUETOOTH device, and adjust the volume.**

For details, see "Listening to music on a paired BLUETOOTH device" (page 36).

Note

- When you use the microphone or play the guitar on Host system, the sound will not be output from Guest system.
- The following operations do not work on Guest system when using Speaker Add:
 - Sleep Timer
 - Automatic standby function
 - Child Lock
 - Gesture Control
 - Party Lock
 - Vocal Fader, Key Control, and Score Mode
 - Controlling the system using remote control

Synchronization of settings with Speaker Add

- When a Speaker Add connection has been established, the following settings on the Guest system are synchronized with those on the Host system:
 - Volume
 - MEGA BASS
 - Sound field and Custom EQ
 - DJ Effect
 - Illumination
- When the settings above are changed on either Host system or Guest system, the settings on the other system are synchronized.
- When Host system is turned off, Guest system also turns off.

To deactivate the Speaker Add function

Use “Sony | Music Center” and follow the on-screen instructions.

Note

If you reset one of the two systems while using the Speaker Add function, make sure to turn off the other system.

Hint

- If you do not deactivate the function, the system will try to re-establish the most recent connection the next time you turn on the system.
- Switch to SBC codec when using the Speaker Add function. For details, see “Setting the BLUETOOTH audio codecs” (page 38).

Karaoke

Singing along: Karaoke

Preparing for Karaoke

- 1 Press MIC LEVEL- repeatedly to reduce the microphone volume level.**

Alternatively, touch MIC/GUITAR LEVEL- on the unit repeatedly.

- 2 Touch GUITAR on the unit repeatedly until GUITAR indicator lights off.**

- 3 Push to open the USB/MIC cover, then connect an optional microphone to MIC1 or MIC2/ GUITAR jack on the unit.**

Connect another optional microphone if you want to sing in duet.

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

- 5 Start singing along with the music.**

Note

- If howling occurs, the system will automatically reduce the microphone sound for a few seconds.
- If howling continues, do the following:
 - Move the microphone away from the system.
 - Change the direction of the microphone.
 - Press MIC LEVEL- repeatedly.
 - Press MIC ECHO repeatedly to adjust the echo level.

- Microphone sound will not be transferred to the USB device during USB transfer.
- You cannot adjust the microphone volume level using the VOLUME +/- on the unit or \triangle +/- on the remote control. Press MIC LEVEL +/- repeatedly to adjust the microphone volume level.
- When using the Wireless Party Chain or Speaker Add function, sound from the microphone is only output from the system to which the microphone is connected.
- If the sound through the microphone is extremely loud, it may be distorted. Press MIC LEVEL- repeatedly to reduce the microphone volume.

Reducing the vocal sound (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 b/# to suit your vocal range.

Activating the Karaoke 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.

Changing your voice (Voice Changer)

You can change your voice when you talk or sing into microphone.

Press VOICE CHANGER repeatedly to change your voice effect.

To turn off the Voice Changer

Press VOICE CHANGER repeatedly to select "OFF".

Enjoying sound from a guitar

You can listen to the sound from the guitar by connecting a guitar to the MIC2/GUITAR jack on the unit.

You can also play the guitar and sing along by connecting a microphone to the MIC1 jack on the unit.

Your guitar sound can be changed by selecting the guitar effect.

1 Touch MIC/GUITAR LEVEL – on the unit repeatedly to reduce the guitar volume level.

2 Push to open the USB/MIC cover on the unit.

3 Use an instrument cable (not supplied) to connect a guitar (not supplied) to MIC2/GUITAR jack on the unit.

4 Touch GUITAR on the unit repeatedly to select the guitar effect.

GUITAR indicator lights up.

- “CLEAN”: Original guitar sound. Recommended for electric guitar or electro-acoustic guitar.
- “O.DRIVE”: Distorted sound similar to an overdriven guitar amplifier. Recommended for electric guitar.
- “BASS”: Original guitar sound. Recommended for bass guitar.

5 Start playing the guitar and adjust the guitar volume.

The guitar sound is output from the system.

Note

- Howling may occur when using electro-acoustic guitar with “O.DRIVE” effect. Touch MIC/GUITAR LEVEL – on the unit repeatedly to reduce the guitar volume. Otherwise, change to the other guitar effect.
- Before disconnecting the guitar from the system, touch MIC/GUITAR LEVEL – on the unit repeatedly to reduce the guitar volume.

To turn off the guitar mode


Touch GUITAR on the unit repeatedly until the GUITAR indicator lights off.

Other Operations

Playing the drum (Taiko)

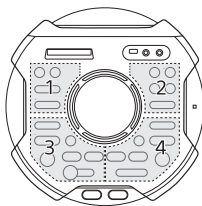
You can play a virtual drum by using the top panel of the system as a drum pad.

Note

- Tap the top panel using your hands gently. Do not use other items, such as a stick as it will scratch the surface of the top panel.
- The pressure you apply when tapping the top panel will not affect the volume level in the Taiko mode.
- When you activate the Taiko mode, the Taiko volume follows the current system’s volume level.
- During the Taiko mode, the controls on the unit are deactivated except  and TAIKO buttons. Use the buttons on the remote control to change the function or volume of the music source.




1 Press TAIKO on the unit repeatedly to select “TAIKO”.

The top panel lights up in 4 different colors according to zone.



2 Tap on zone 1, 2, 3 or 4 or swipe your hand over the GESTURE CONTROL sensor.

Available swiping motions:

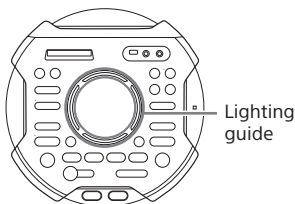
- Right to left ()
- Left to right ()
- Bottom to top ()

- Top to bottom (▼)

- Swipe your hand over the GESTURE CONTROL sensor in a clockwise (↻) or anticlockwise (↻) direction to adjust the drum sound volume.**

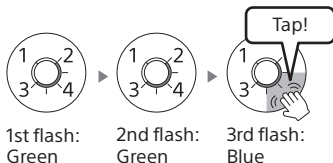
Playing the Taiko game

In this game, you need to tap the top panel according to the lighting guide pattern that appears on the surrounding of the GESTURE CONTROL sensor. Your score is calculated from a scale of 0 to 100 based on the number of correct actions performed.



- Press TAIKO on the unit repeatedly until "GAME 5" flashes on the display.**
The system counts down in 5 seconds and the game starts when "START" flashes on the display.
- Tap zone 1, 2, 3 or 4 according to the lighting guide pattern.**
The lighting guide will flash 3 times. You need to tap the correct zone on the third time it flashes.

Example:



Make sure you tap on the correct zone at the exact moment when the lighting guide flashes in blue.

Lighting guide pattern	Zone you need to tap
	1
	2
	3
	4

- Continue to play the game for 50 seconds.**

The score appears on the display after you completed the game.

To deactivate Taiko game

Press TAIKO on the unit repeatedly until the lighting guide lights off.

Competing in Taiko game using "Fiestable" (Taiko Game Ranking)

You can play Taiko game and compete with other players to achieve top 10 ranking.

- Establish a BLUETOOTH connection between the system and your smartphone/iPhone (page 34).**

2 Launch “Sony | Music Center” and touch the “Fiestable” icon.

3 Touch “Taiko Game Ranking”.

The current leaderboard is displayed on the smartphone/iPhone screen.

4 Touch “Play” and start playing the Taiko game.

Perform Step 2 and 3 of “Playing the Taiko game” (page 57).

Once the game is completed, your score will be shown on the smartphone/iPhone screen. If your score is in the top 10 ranking, the app will prompt you to input your name. The name is limited to only 16 alphanumeric characters. Then, your ranking will be displayed.

To reset the ranking

Touch “RESET” on the app screen.

Note

- If you activate the Taiko game using the TAIKO button on the unit, your score will not be recorded in the ranking.
- If your score is 0, it will not be ranked.
- The Taiko Game Ranking does not work in the following cases:
 - If you activate Taiko game using the TAIKO button on the unit.
 - When you open the disc tray.
 - During USB transfer or erase operations.
- The Taiko Game Ranking is automatically turned off when:
 - You press TAIKO on the unit.
 - BLUETOOTH is disconnected.
 - You receive an incoming call.

Enjoying music with the illumination (Party Light/Speaker Light)

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

2 Press LIGHT MODE repeatedly to select the illumination mode you want.

The illumination mode is different when Wireless Party Chain or Speaker Add function is activated.

To turn off the illumination

Press PARTY LIGHT repeatedly to select “LED OFF”.

Note

- Do not look directly at the light-emitting part when the illumination 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 illumination 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 the Voice Guidance

IMPORTANT: THE VOICE GUIDANCE FOR THIS SYSTEM IS ONLY AVAILABLE IN ENGLISH.

- 1** Press **OPTIONS**.
- 2** Press **↕/↕** repeatedly to select **"VOICE GUIDANCE"**, then press **[+]**.
- 3** Press **↕/↕** to select **"ON"**, then press **[+]**.

The Voice Guidance is activated.

To exit the options menu, press **OPTIONS**.

Depending on the status of the system, the voice guidance outputs from the system as follows:

- When setting the system to the pairing mode: "BLUETOOTH pairing"
- When connected to a BLUETOOTH device: "BLUETOOTH connected"
- When disconnected from a BLUETOOTH device: "BLUETOOTH disconnected"
- When the settings are completed for the Speaker Add function: "Double mode"
- When setting the output mode during the Speaker Add function: "Left/Right/Double mode"

To deactivate the Voice Guidance

Select **"OFF"** in step 3.

To adjust the level of the Voice Guidance

- 1** Press **OPTIONS**.
- 2** Press **↕/↕** repeatedly to select **"SAMPLER"**, then press **[+]**.

- 3** Press **↕/↕** repeatedly to adjust the Voice Guidance level, then press **[+]**.

To exit the options menu, press **OPTIONS**.

Note

- The Voice Guidance volume level change according to the system's volume level. However, in some cases, the Voice Guidance volume level may not change.
- In some cases, there may be a delay in Voice Guidance output or the Voice Guidance may not work.


Using optional equipment

- 1** Press **◀** – repeatedly until **"VOL MIN"** appears on the display.
- 2** Use an audio cable (not supplied) to connect audio output jacks of an optional equipment to **AUDIO/PARTY CHAIN IN (TV) L/R** jacks on the unit.
- 3** Press **FUNCTION** repeatedly to select **"AUDIO IN"**.
- 4** Start playing the connected equipment.
- 5** Press **◀** + 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. To turn off automatic standby function, see "Setting the automatic standby function" (page 60).

Deactivating the controls on the unit (Child Lock)

You can deactivate the controls (except ) on the unit to prevent misoperation by children.

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

"CHILD LOCK ON" appears on the display.

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.



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 or guitar is connected.
 - When the system is a Party Guest in the Wireless Party Chain function or the Guest system in the Speaker Add function.

Listening to built-in sound demonstration

Touch and hold  on the unit for more than 2 seconds.

The built-in sound demonstration is played back.

To stop the demonstration, touch  on the unit.

Updating the software

The software of this system may be updated in the future.

You can update your system's pre-installed software from the websites below.

Follow the online instructions to update the software.

For customers in Americas:

<<https://www.sony.com/am/support>>

For customers in Europe:

<<https://www.sony.eu/support>>

For customers in other countries/regions:

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

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 error code and "CHECK MANUAL" flashes on the display

See the following table for the corrective action.

Error code	Corrective action
"PROTECT2"	Contact your nearest Sony dealer.
"PROTECT3"/ "PROTECT4"/ "PROTECT6"	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.

General

The power does not turn on.

- Check that the AC power cord (mains lead) is connected securely.

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 60).

There is no sound.

- Adjust the volume.
- Check the connection of the optional equipment, if any (page 59).
- 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 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.
- Move the unit away from the neon signs or fluorescent light.

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.

The color irregularity on a TV screen persists.

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

"CHILD LOCK" appears when you use any control on the unit.

- Set the Child Lock function to off (page 60).

A clicking sound is heard when the system is turned on.

- This is the operating sound and it occurs when the system is turned on or off, for example. This is not a malfunction.

Disc/USB playback

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 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 71).
- Reload the disc.

- Load the disc that this system can play back (page 9).
- 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 DVD VIDEO with unsupported region code was loaded.
- 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 11).

The sound skips during disc playback.

- Wipe the disc clean (page 71).
- Reload the disc.
- Move the unit to a place with no vibration.

Playback does not start from the first track/file.

- Set the play mode to Normal Play (page 23).
- Resume Play has been selected on the disc. Press ■ twice. Then, press ► to start playback.

You cannot perform some functions such as Stop, Lock Search, Slow-motion Play, Repeat Play, or Shuffle Play.

- Depending on the disc, you may not be able to do some of the operations above. Refer to the operating instructions supplied with the disc.

Files cannot be played back.

- The data is not stored in the supported format.
- Make sure you have selected the correct MEDIA MODE setting before playback.

- 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.

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 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 “_”.

There is no sound during USB playback.

- 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 during USB playback.



- You are using an unsupported USB device. Check the information on the website about compatible USB devices (page 11).
- 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 10).
 - 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 controls (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  (USB) port. Turn off the system 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.

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 11).
- The USB device is not working properly. Refer to the operating instructions of the USB device on how to deal with this problem.

There is no picture.

- Check that the system is connected securely.
- If the HDMI cable is damaged, replace it with a new one.
- Make sure you connect the unit to the HDMI input connector on your TV (page 17).
- Make sure you turn on the TV and operate the TV correctly.
- Make sure you select the input according to the connection on the TV so that you can view the pictures from the system.
- (Except for Latin American, European, and Russian models) Make sure you set the color system correctly, according to your TV's color system.

Picture noise appears.

- Wipe the disc clean (page 71).
- If video signal from your system has to go through your VCR to your TV, the copy-protection applied to some DVD VIDEO programs could affect the picture quality.
- (Except for Latin American, European, and Russian models) Set the color system to match your TV (page 19, 28).

The aspect ratio of the TV screen cannot be changed.

- The aspect ratio is fixed on your DVD VIDEO and video file.
- Depending on the TV, you may not be able to change the aspect ratio.

The language for sound track, subtitles, or camera angles cannot be changed.

- Multilingual tracks, multilingual subtitles, or multi-angles are not recorded on the DVD VIDEO being played back.
- The DVD VIDEO prohibits changing the setting.

The subtitles cannot be turned off.

- The DVD VIDEO prohibits turning off subtitles.

USB transfer

Transferring results in an error.

- You are using an unsupported USB device. Check the information on the website about compatible USB devices (page 11).
- 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.

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 connection**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 "BT OFF" appears on the display.

- Set the BLUETOOTH signal to "BT ON" (page 39).

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 \triangleleft / \rightarrow .

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.

Apps Control

Voice Control does not work properly.

- Speak closer to your smartphone/ iPhone microphone.
- Speak clearly at a slower speed.
- Reduce the surrounding noise.

Control for HDMI (“BRAVIA” Sync)

The system does not turn on even when the TV is turned on.

- Hold down SHIFT and press SETUP, then set [HDMI SETUP] – [CONTROL FOR HDMI] to [ON] (page 29). The TV must support the Control for HDMI function (page 42). For details, refer to the operating instructions of your TV.
- Check the speaker settings of the TV. The system power syncs with the speaker settings of the TV. For details, refer to the operating instructions of your TV.
- If the sound was output from the TV’s speakers the previous time, the system does not turn on even when the TV is turned on.

The system turns off when the TV is turned off.

- The [STANDBY LINKED TO TV] in [HDMI SETUP] is set to [ON] (page 30), the system turns off automatically when you turn off the TV regardless of the input.

The system does not turn off even when the TV is turned off.

- To turn the system off automatically regardless of the input when you turn off the TV, set [STANDBY LINKED TO TV] to [ON] (page 30). The TV must support the Control for HDMI function (page 42). For details, refer to the operating instructions of your TV.

There is no picture/sound when connected to the HDMI OUT (TV) ARC connector.

- Change the setting in [HDMI SETUP] – [HDMI RESOLUTION]. The problem may be solved.
- The equipment connected to the HDMI OUT (TV) ARC connector does not conform to the audio signal format. In this case, set [HDMI SETUP] – [AUDIO(HDMI)] to [PCM] (page 29).
- Try the following:
 - Turn the system off and on again.
 - Turn the connected equipment off and on again.
 - Disconnect then connect the HDMI cable again.

No TV sound is heard from the system. “CODE 01” and “SGNL ERR” appear on the display.

- This system supports 2-channel Linear PCM formats only. Check the audio output setting on the TV and change it to PCM output mode if automatic mode is selected. For details, refer to the operating instructions of your TV.
- Check that the speaker output setting on the TV is set to use external speakers.

No TV sound is output from the system.

- Check the type and connection of the HDMI cable or audio cable that is connected to the system and the TV (page 17).
- If your TV is compatible with Audio Return Channel, make sure the system is connected to an ARC-compatible HDMI IN connector of the TV (page 17). If sound is still not output or if sound is interrupted, connect an audio cable (not supplied), hold down SHIFT and press SETUP, then set [HDMI SETUP] – [AUDIO RETURN CHANNEL] to [OFF] (page 30).
- If your TV is not compatible with Audio Return Channel, TV sound will not be output from the system even if the system is connected to the TV's HDMI IN connector. To output TV sound from the system, connect an audio cable (not supplied) (page 17).
- Change the function of the system to "TV" (page 17).
- Increase the volume on the system.
- Depending on the order in which you turn on the TV or system first, the system may be muted and "M" (muting) lights up on display of the unit. If this happens, turn on the TV first, then the system.
- Set the speakers setting of the TV (BRAVIA) to Audio System. Refer to the operating instructions of your TV on how to set the TV.

The sound is output from both the system and the TV.

- Mute the sound of the system or the TV.
- Change the speaker output on the TV to TV speaker or Audio System.

The Control for HDMI function does not work properly.

- Check the connection with the system (page 17).
- Enable the Control for HDMI function on the TV. For details, refer to the operating instructions of your TV.
- Wait a while, then try again. If you unplug the system, it will take a while before operations can be made. Wait for 15 seconds or longer, then try again.
- Make sure the TV connected to the system support the Control for HDMI function.
- The type and number of devices that can be controlled by the Control for HDMI function is restricted by the HDMI CEC standard as follows:
 - Recording devices (Blu-ray Disc recorder, DVD recorder, etc.): up to 3 devices
 - Playback devices (Blu-ray Disc Player, DVD player, etc.): up to 3 devices (this system uses one of them)
 - Tuner-related devices: up to 4 devices
 - Audio system (receiver/headphone): up to 1 device (used by this system)

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 60).

The Gesture Control does not operate properly.

- Move your hand closer to GESTURE CONTROL sensor 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 44).
- Install a noise filter (not supplied) to the AC power cord (mains lead).
- Turn off surrounding electrical equipment.

"PARTY LOCK" appears when you use any control on the unit.

- Set the Party Lock function to off (page 47).

Multiple systems playback

Wired Party Chain function cannot be activated.

- Check the connections (page 49).
- Make sure the audio cables are connected correctly.

"PARTY CHAIN" is flashing on the display.

- You cannot select AUDIO IN function if you connect the last system to the first system (page 49) during Wired Party Chain function. Select other function (page 50).
- Touch PARTY CHAIN on the unit.
- Turn off the system, then turn it on again.

Wired Party Chain function does not work properly.

- Turn off the system. Then, turn it on again to activate the Wired Party Chain function.

BLUETOOTH device cannot be connected to the system during Wireless Party Chain function.

- After connecting all the systems, perform the pairing and connecting operations between the BLUETOOTH device and the Party Host.

BLUETOOTH device cannot be connected to the system during Speaker Add function.

- After connecting two same model systems, perform the pairing and connecting operations between the BLUETOOTH device and the Host system.

Karaoke

There is no microphone sound.

- Adjust the microphone volume level.
- Make sure the microphone is connected to the MIC1 or MIC2/ GUITAR jack on the unit correctly.
- Make sure the microphone is turned on.

There is acoustic feedback.

- Reduce the volume.
- Move the microphone and guitar away from the system or change the direction of the microphone.


The sound loses stereo effect during playback.


- Turn off the Vocal Fader (page 55).
- Make sure the system is connected properly.

Resetting the system

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

Use the controls on the unit to perform this operation.

- 1 Unplug the AC power cord (mains lead), then plug it back in.
- 2 Press  to turn on the system.
- 3 Touch and hold GUITAR and MEGA BASS for about 3 seconds. "RESET" appears on the display.





After the reset completes, the system automatically reboots. Press  to turn on the system.




All BLUETOOTH pairing information and user-configured settings, such as preset radio stations are reset to factory default setting (except for some setup menu settings).

To reset all setup menu settings, see "Returning the setup menu settings to the default" (page 69).

Returning the setup menu settings to the default

You can return the setup menu settings (except for [PARENTAL CONTROL] settings) to the default settings.

- 1 Hold down SHIFT and press SETUP.
The setup menu appears on the TV screen.
- 2 Press  repeatedly to select [SYSTEM SETUP], then press .
- 3 Press  repeatedly to select [RESET], then press .

- 4 Press  repeatedly to select [YES], then press .
It takes a few seconds to complete. Do not press  while resetting the system.

Self-diagnosis function

When the self-diagnosis function is activated, a service number appears on the TV screen or the display. The service number consists of an alphabet and numerals (e.g. C 13 50). See the following table for the cause and corrective action.

First 3 characters of the service number	Cause and corrective action
C 13	This disc is dirty. <ul style="list-style-type: none"> • Clean the disc with a soft cloth (page 71).
C 31	The disc is not inserted correctly. <ul style="list-style-type: none"> • Turn off the system, then turn it on again. Then re-insert the disc correctly.
E XX (XX is a number)	To prevent a malfunction, the system has performed the self-diagnosis function. <ul style="list-style-type: none"> • Contact your nearest Sony dealer or local authorized Sony service facility and give the 5-character service number. Example: E 61 10

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.
- A DVD VIDEO with unsupported region code was loaded.

CODE 01/SGNL ERR

An unsupported audio signal is input from the connected TV's HDMI IN (ARC) connector (page 66).

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.

NoDEVICE

No USB device is connected or unsupported device is connected.

NO DISC

There is no disc in the unit.

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.


NO VIDEO

No supported video files exist in the playback source.

NOT USE

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

OVER CURRENT

An over current from the  (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.

Use the controls on the unit to perform this operation.

1 Press  to turn on the system.

2 Touch FUNCTION repeatedly to select "DVD/CD".

3 Remove the disc.

Touch  to open and close the disc tray.

Wait until "NO DISC" appears on the display.

4 Press  to turn off the system.

5 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 system

- 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.

IMPORTANT NOTICE

Caution: If you leave a still video image or on-screen display image displayed on your TV for an extended period of time via this system, you risk permanent damage to your TV screen. Projection TVs are especially susceptible to this.

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.

On BLUETOOTH communication

- BLUETOOTH devices should be used within approximately 10 meters (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 away from the wireless LAN equipment.
 - Turn off the power of the wireless LAN equipment when using your BLUETOOTH device within 10 meters.
 - 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

Speaker section

MHC-V82D

Speaker system:

5-way, Double Bass Reflex

Speaker unit:

Tweeter L/R Front: 50 mm, cone type

Tweeter L/R Rear: 50 mm, cone type

Midrange L/R (Upper): 100 mm, cone type

Midrange L/R (Lower): 120 mm, cone type

Woofer: 300 mm, cone type

MHC-V72D

Speaker system:

4-way, Double Bass Reflex

Speaker unit:

Tweeter L/R Front: 50 mm, cone type

Tweeter L/R Rear: 50 mm, cone type

Midrange L/R: 120 mm, cone type

Woofer: 300 mm, cone type

Inputs

AUDIO/PARTY CHAIN IN (TV) L/R:

Voltage 2 V, impedance
24 kilohms

TV (ARC):

Supported audio signal:
2-channel Linear PCM

MIC1:

Sensitivity 1 mV, impedance
10 kilohms

MIC2/GUITAR:

Sensitivity 1 mV, impedance
10 kilohms (When guitar mode is
turned off.)

Sensitivity 200 mV, impedance
250 kilohms (When guitar mode is
turned on.)

Outputs

AUDIO/PARTY CHAIN OUT L/R:

Voltage 2 V, impedance 1 kilohm

HDMI OUT (TV) ARC:

Supported audio signal:
2-channel Linear PCM (up to
48 kHz), Dolby Digital

HDMI section

Connector:

Type A (19 pin)

Disc player section

System:

Compact disc and digital audio
and video system

Laser Diode Properties

Emission Duration: Continuous
Laser Output*: Less than 44.6 μ W

* 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

Video color system format:
Latin American models:
NTSC
Other models:
NTSC and PAL

USB section

Supported USB device:
Mass Storage Class
Maximum current:
1 A
ψ (USB) port:
Type A

FM tuner section

FM stereo, FM superheterodyne tuner
Antenna:
FM lead antenna
Tuning range:
87.5 MHz – 108.0 MHz (50 kHz
step)

BLUETOOTH section

Communication system:
BLUETOOTH Standard version 4.2
Output:
BLUETOOTH Standard Power
Class 2
Maximum output power:
<9.5 dBm
Maximum number of devices to be
registered:
8 devices
Maximum number of simultaneous
connection (Multipoint):
3 devices
Maximum communication range:
Line of sight approx. 10 m¹⁾
Frequency band:
2.4 GHz band (2.4000 GHz –
2.4835 GHz)
Modulation method:
FHSS (Freq Hopping Spread
Spectrum)

Compatible BLUETOOTH profiles²⁾:
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.

NFC section

Frequency band:
13.56 MHz

Supported audio formats

Supported bit rate and sampling
frequencies:

MP3:
32/44.1/48 kHz, 32 kbps –
320 kbps (VBR)
AAC:
44.1 kHz, 48 kbps – 320 kbps
(CBR/VBR)
WMA:
44.1 kHz, 48 kbps – 192 kbps
(CBR/VBR)
WAV:
44.1/48 kHz (16 bit)

Supported video formats

Xvid:

Video codec: Xvid video
 Bit rate: 4.854 Mbps (MAX)
 Resolution/Frame rate:
 720 × 480, 30 fps
 720 × 576, 25 fps (except for Latin American models)
 Audio codec: MP3

MPEG4:

File format: MP4 File Format
 Video codec: MPEG4 Simple Profile (AVC is not compatible.)
 Bit rate: 4 Mbps
 Resolution/Frame rate:
 720 × 480, 30 fps
 720 × 576, 25 fps (except for Latin American models)
 Audio codec: AAC-LC (HE-AAC is not compatible.)
 DRM: Not compatible

General

Power requirements:

AC 120 V – 240 V, 50/60 Hz

Power consumption:

MHC-V82D: 190 W

MHC-V72D: 120 W

Power consumption (at the Power Saving mode):

0.5 W (When "BT STBY" is set to "OFF" and [CONTROL FOR HDMI] is set to [OFF].)

2 W* (When "BT STBY" is set to "ON" and [CONTROL FOR HDMI] is set to [ON].)

Dimensions (W/H/D) (Approx.):

MHC-V82D:

370 mm × 1,060 mm × 427 mm

MHC-V72D:

370 mm × 930 mm × 427 mm

Mass (Approx.):

MHC-V82D: 26.0 kg

MHC-V72D: 21.6 kg

Operating temperature:

5 °C to 35 °C

* The power consumption of the system will be less than 0.5 W when there is no HDMI connection and "BT STBY" is set to "OFF".

Design and specifications are subject to change without notice.

Parental Control area code list

Code	Area	Code	Area
2044	Argentina	2304	Korea
2047	Australia	2363	Malaysia
2046	Austria	2362	Mexico
2057	Belgium	2376	Netherlands
2070	Brazil	2390	New Zealand
2079	Canada	2379	Norway
2090	Chile	2427	Pakistan
2092	China	2424	Philippines
2115	Denmark	2436	Portugal
2165	Finland	2489	Russia
2174	France	2501	Singapore
2109	Germany	2149	Spain
2248	India	2499	Sweden
2238	Indonesia	2086	Switzerland
2254	Italy	2528	Thailand
2276	Japan	2184	United Kingdom

Language code list

The language spellings conform to the ISO 639:1988 (E/F) standard.

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1186	Scots Gaelic	1350	Malayalam	1513	Siswati
1028	Abkhazian	1194	Galician	1352	Mongolian	1514	Sesotho
1032	Afrikaans	1196	Guarani	1353	Moldavian	1515	Sundanese
1039	Amharic	1203	Gujarati	1356	Marathi	1516	Swedish
1044	Arabic	1209	Hausa	1357	Malay	1517	Swahili
1045	Assamese	1217	Hindi	1358	Maltese	1521	Tamil
1051	Aymara	1226	Croatian	1363	Burmese	1525	Telugu
1052	Azerbaijani	1229	Hungarian	1365	Nauru	1527	Tajik
1053	Bashkir	1233	Armenian	1369	Nepali	1528	Thai
1057	Byelorussian	1235	Interlingua	1376	Dutch	1529	Tigrinya
1059	Bulgarian	1239	Interlingue	1379	Norwegian	1531	Turkmen
1060	Bihari	1245	Inupiak	1393	Occitan	1532	Tagalog
1061	Bislama	1248	Indonesian	1403	(Afan) Oromo	1534	Setswana
1066	Bengali; Bangla	1253	Icelandic	1408	Oriya	1535	Tonga
1067	Tibetan	1254	Italian	1417	Punjabi	1538	Turkish
1070	Breton	1257	Hebrew	1428	Polish	1539	Tsonga
1079	Catalan	1261	Japanese	1435	Pashto; Pushto	1540	Tatar
1093	Corsican	1269	Yiddish	1436	Portuguese	1543	Twi
1097	Czech	1283	Javanese	1463	Quechua	1557	Ukrainian
1103	Welsh	1287	Georgian	1481	Rhaeto-Romance	1564	Urdu
1105	Danish	1297	Kazakh	1482	Kirundi	1572	Uzbek
1109	German	1298	Greenlandic	1483	Romanian	1581	Vietnamese
1130	Bhutani	1299	Cambodian	1489	Russian	1587	Volapük
1142	Greek	1300	Kannada	1491	Kinyarwanda	1613	Wolof
1144	English	1301	Korean	1495	Sanskrit	1632	Xhosa
1145	Esperanto	1305	Kashmiri	1498	Sindhi	1665	Yoruba
1149	Spanish	1307	Kurdish	1501	Sangho	1684	Chinese
1150	Estonian	1311	Kirghiz	1502	Serbo-Croatian	1697	Zulu
1151	Basque	1313	Latin	1503	Singhalese	1703	Not specified
1157	Persian	1326	Lingala	1505	Slovak		
1165	Finnish	1327	Laothian	1506	Slovenian		
1166	Fiji	1332	Lithuanian	1507	Samoa		
1171	Faroeese	1334	Latvian; Lettish	1508	Shona		
1174	French	1345	Malagasy	1509	Somali		
1181	Frisian	1347	Maori	1511	Albanian		
1183	Irish	1349	Macedonian	1512	Serbian		

<https://www.sony.net/>

Made for

Apple iPhone | iPod

HDMI



Bluetooth®

LDAC

**DVD
VIDEO**

**COMPACT
disc
DIGITAL VIDEO**

MP3



* 5 0 0 0 5 3 8 1 3 * (1)