

Micro HI-FI Component System

Operating Instructions

WARNING

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

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

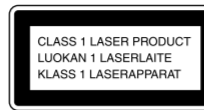
As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately. Do not install the appliance in a confined space, such as a bookcase or built-in cabinet. Do not expose batteries or apparatus with battery-installed to excessive heat such as sunshine, fire or the like.

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.

CAUTION

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

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



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- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
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About this manual

- "DVD" may be used as a general term for a DVD VIDEO, DVD-R, DVD-RW, DVD+R or DVD+RW.
- CD-R or CD-RW is sometimes referred to as "DATA CD".
- DVD-R, DVD-RW, DVD+R or DVD+RW is sometimes referred to as "DATA DVD".
- This manual mainly explains operations using the remote, but the same operations can also be performed using the buttons on the unit having the same or similar names.

Playable Discs

DVD	DVD VIDEO DVD-ROM DVD-R*/DVD-RW* DVD+R*/DVD+RW*
CD	CD-DA (Music CD) CD-ROM CD-R*/CD-RW* VIDEO CD

* If discs have not been correctly finalized, they will not be played back. For more information, refer to the operating instructions supplied with the recording device.

Discs that cannot be played

- Blu-ray Discs
- HD DVDs
- DVD-RAMs
- DVD Audio discs
- PHOTO CDs
- Super Audio CDs
- Data track of CD-Extras
- Audio material side on DualDiscs
- DVD-R/DVD-RW/DVD+R/DVD+RW in VR (Video Recording) mode
- CPRM (Content Protection for Recordable Media)-compatible DVD-R/RW containing content flagged as "Copy once"

Music discs encoded with copyright protection technologies

This product is designed to play back discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Note on playback operations of a DVD
Some playback operations for a DVD may be intentionally restricted by software producers. Since this system plays a DVD according to the disc contents, some playback features may not be available.

Note about double-layer DVDs

The playback picture and sound may be momentarily interrupted when the layers switch.

Region code (DVD VIDEO only)

Your system has a region code printed on the rear of the unit and will only play a DVD VIDEO (playback only) labeled with an identical region code or (R).

Note about Multi Session CD

You can play only 1st session of a multisession disc.

Playable File Types

Video	File format	Extensions
Xvid video		".avi"
MPEG4 video ¹⁾		".mp4" or ".m4v"
Music	File format	Extensions
MP3 (MPEG1 Audio Layer 3) ²⁾		".mp3"
WMA ³⁾		".wma"
AAC ⁴⁾		".m4a"
Photo	File format	Extensions
JPEG		".jpg" or ".jpeg"

¹⁾ Supported video and audio codecs are as follows:
- Video codec: MPEG4 Simple Profile (AVC is not supported).
- Audio codec: AAC-LC (HE-AAC is not supported).

²⁾ MP3 PRO format is not supported.
³⁾ WMA DRM, WMA Lossless and WMA PRO formats are not supported.
⁴⁾ AAC DRM and AAC Lossless formats are not supported.

- Notes**
- Some files may not play depending on the format, the encoding method or recording condition.
 - Some USB devices may not work with this system.
 - The system supports ISO 9660 Level 1/ Level 2 and Joliet for DATA CD.
 - The system supports UDF (Universal Disk Format) for DATA DVD.
 - The system supports FAT12, FAT16 and FAT32 for USB device.

- The system can recognize the files or folders on a DATA DVD, DATA CD or USB device as follows:
- up to 300 folders
- up to 648 files
- It may take time to read files in the following cases:
- there are too many folders or files.
- the memory capacity of the USB device is very large.
- the memory of the USB device is fragmented.

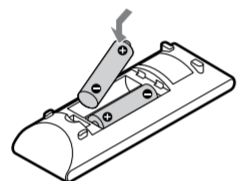
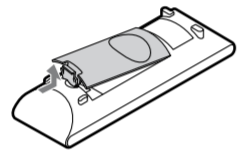
Compatible USB devices with this system

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

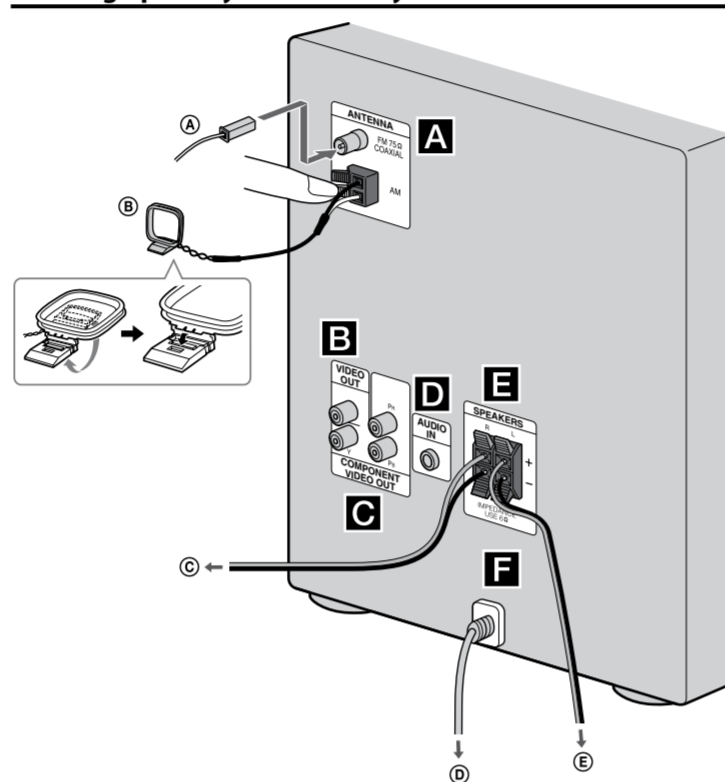
For customers in Europe:
<<http://support.sony-europe.com/>>
For customers in Asia and other countries/ regions:
<<http://www.sony-asia.com/support>>

Preparing the remote

Insert the two R6 (size AA) batteries, matching the polarities as shown below.



Hooking up the system securely



- A** FM lead antenna (Extended horizontally.)
- B** AM loop antenna (except for Russian model)
- C** To right speaker
- D** To wall outlet
- E** To left speaker

Antennas

Find a location and orientation that provide good reception when you set up the antennas. Keep the antennas away from the speaker cords and the power cord to avoid picking up noise.

VIDEO OUT jack

Connect the video input jack of the TV or projector.

COMPONENT VIDEO OUT jacks

Connect the component video input jacks of the TV or projector using the optional component video cords for higher quality video images. If your TV accepts progressive signal, see "Progressive" (page 21) to set the progressive scan mode.

AUDIO IN jack

Connect an optional audio component.

Speakers

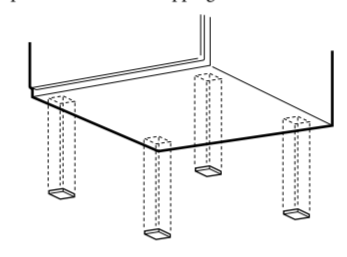
Insert only the stripped portion of the cords.

Power

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

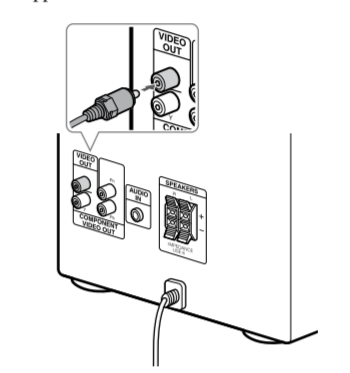
Attaching the speaker pads

Attach the supplied speaker pads at each corner on the bottom of the speakers to prevent them from slipping.



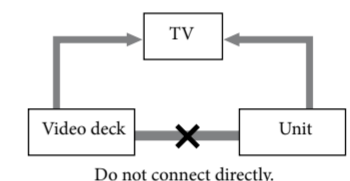
Connecting your TV

Connect the video input jack of your TV to the VIDEO OUT jack on the unit, using the supplied video cord.



When connecting a video deck

Connect the TV and the video deck using video and audio cords (not supplied) as shown below.



If you connect a video deck between this system and the TV, you may experience video leakage when watching the video signal from this system. Do not connect a video deck between this system and TV.

Color System Setup

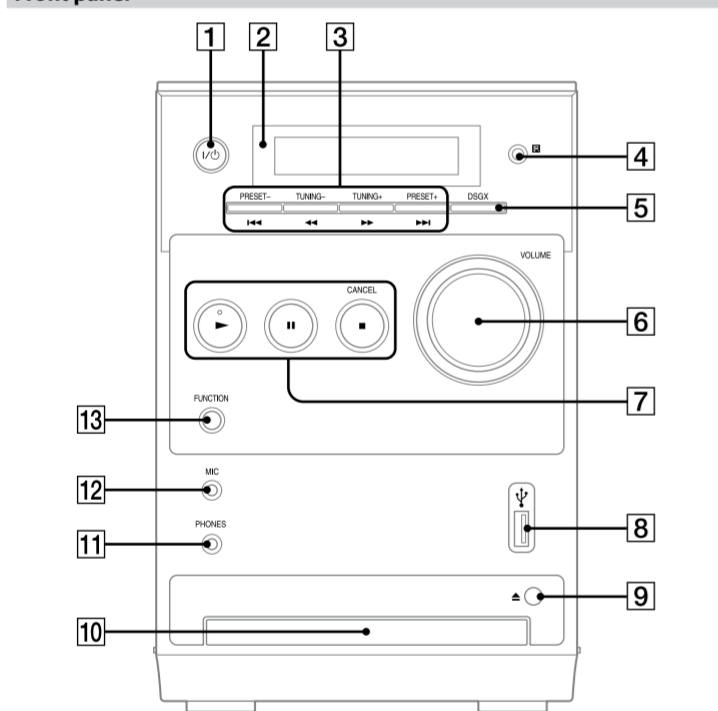
Change the color system if necessary from [PAL], [Multi] or [NTSC] after connecting your TV. The factory default of the color system is [PAL] for Russian and Saudi Arabian models, and [NTSC] for other models.

- Connect the power cord to a wall outlet.
- Press I/O to turn on the system.
- Press FUNCTION repeatedly to switch the function to DVD/CD.
- Press SETUP in stop mode. The setup menu appears.
- Press +/- repeatedly to select [Preference Page], then press (enter).
- Press +/- repeatedly to select [TV Type], then press (enter).
- Press +/- repeatedly to select [PAL], [Multi] or [NTSC], then press (enter).
- Press SETUP to turn off the setup menu.

Note
The display on the TV screen may be interrupted momentarily after changing the color system as described above.

Parts and Controls

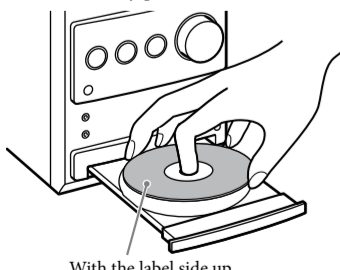
Front panel



- I/O (on/standby) button**
Press to turn on or off the system.
- Display**
- PRESET +/- button**
Press to select a preset station.
- TUNING +/- button**
Press to tune to a desired station.
- Previous/next button**
Press to select a track, file or chapter.
- Rewind/fast forward button**
Press to find a point in a track, file or chapter.
- Remote sensor**
- DSGX button**
Press to turn on or off the DSGX effect.
- VOLUME control**
Turn to adjust the volume.
- (play) button**
Press to start or re-start playback (resume play).
- (pause) button**
Press to pause playback. To resume playback, press the button again.
- CANCEL (stop) button**
Press to stop and remember the stop point (resume point). To re-start playback from the resume point (resume play), press (play). Press to cancel the automatic tuning for a radio station.
- (USB) port**
Used for connecting a USB device.
- (open/close) button**
Press to open or close the disc tray.
- Disc tray**
- PHONES jack**
Used for connecting the headphones.
- MIC jack**
Used for connecting a microphone.
- FUNCTION button**
Press to select the function.

Playing a Disc

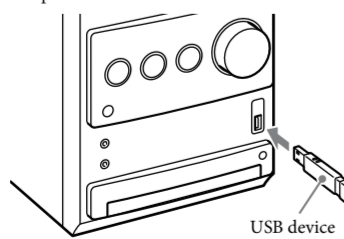
- Press FUNCTION repeatedly to select the DVD/CD function.
- Press (play) on the unit to open the disc tray.
- Place a disc in the disc tray, then press (play) on the unit to close the disc tray. Playback starts automatically when you close the disc tray. If the playback does not start automatically, press (play).



- Press VOLUME +/- or turn VOLUME control on the unit to adjust the volume.

Playing Files on a Disc/USB Device

- Press FUNCTION repeatedly to select the DVD/CD or USB function.
 - DVD/CD: For a disc.
 - USB: For a USB device.
- Load the source.
 - For a disc: Place a disc in the tray by pressing (play) on the unit to open or close the disc tray.
 - For a USB device: Connect a USB device to the (USB) port.



- Select a desired file from the displayed file list.
 - Cursor position number
 - Cursor

You can also check the current cursor position and its number from the following information that will appear on the display.

[FLD] XXX:
Indicates that a folder is selected, representing its cursor position number (ex. "[FLD] 005").

[BACK]:
Indicates that (play) is selected.

File format and XXX:
Indicates the file format of a currently selected file, representing its cursor position number (ex. "WMA 002").

- Press (play) to start playback.
- Press VOLUME +/- or turn VOLUME control on the unit to adjust the volume.

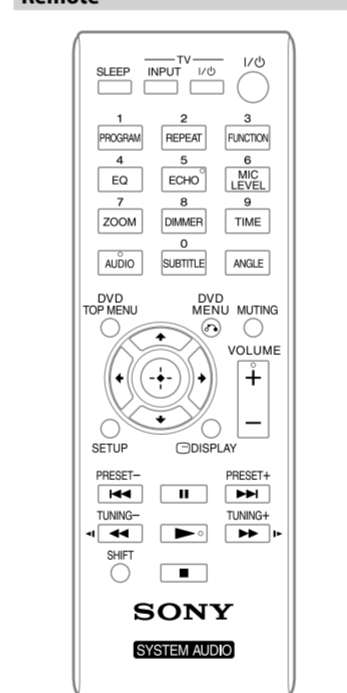
Listening to Sound from an Optional Component

You can listen to sound from a component connected to the AUDIO IN jack on the unit using a 3.5 mm stereo audio cord (not supplied).

- Connect the audio output jacks of your component and the AUDIO IN jack of this system using the audio cord.
- Press VOLUME - or turn VOLUME control on the unit counterclockwise to turn down the volume.
- Press FUNCTION repeatedly to select the AUDIO IN function.
- Press VOLUME +/- or turn VOLUME control on the unit to adjust the volume.

You can select stereo sound or monaural sound settings for sound output from the speakers. In monaural sound settings, you can select the right or left channel and listen to the selected channel sound through both the right and left speakers.

Remote



- SLEEP**
Press to set the Sleep Timer.
- TV INPUT**
Press to switch the TV's input source between the TV signal and other input source. Note that only Sony TVs can be operated using this remote.

TV I/O (on/standby)

Press to turn on or off the TV. Note that only Sony TVs can be operated using this remote.

I/O (on/standby)

Press to turn on or off the system.

PROGRAM

Press to activate program play in the DVD/CD function, or press to preset radio stations in the tuner function.

REPEAT

Press to activate repeat/shuffle playback mode.

FUNCTION

Press to select the function.

EQ

Press to select a sound effect.

ECHO

Press to adjust the echo level.

MIC LEVEL

Press to adjust the microphone volume.

ZOOM

Press to zoom in or zoom out of a displayed picture when viewing a DVD VIDEO, a VIDEO CD, an Xvid video, an MPEG4 video or a JPEG image. You can move the magnified portion of the picture by pressing (left/right).

DIMMER

Press to change the brightness of the display.

TIME

Press to display or switch the time information during playback.

Other Playback Operations

To change angles (only for DVD VIDEOS)

Press ANGLE during playback to select the desired angle.

To display subtitles (only for DVD VIDEOS)

Press SUBTITLE during playback to select the desired subtitle language.

To change the sound

Press AUDIO repeatedly during playback to select a desired audio format.

When playing a DVD
When playing a DVD VIDEO with multiple audio formats, you can change the audio format from PCM, Dolby Digital or MPEG audio. If the DVD VIDEO is recorded with multilingual tracks, you can also change the audio language.

When playing a CD/VIDEO CD
You can select stereo sound or monaural sound settings for sound output from the speakers. In monaural sound settings, you can select the right or left channel and listen to the selected channel sound through both the right and left speakers.

To play a VIDEO CD with PBC functions

When you start playing a VIDEO CD with PBC (Playback control) functions, the PBC menu appears for your operation.

To play without using PBC
In stop mode, press and hold SHIFT, then press the number buttons to select the desired item number.

To magnify the displayed picture

You can zoom in or zoom out of a displayed picture when viewing a DVD VIDEO, a VIDEO CD, an Xvid video, an MPEG4 video or a JPEG image.

Press ZOOM repeatedly to magnify the image.
The magnified portion of the picture can be moved by pressing (left/right).

To search for a title/chapter/track/scene, etc.

When playing a DVD/VCD

- Press (play) during playback. The Display Menu appears on the TV screen.
- Press +/- to select an option, then press (enter).
- Press and hold SHIFT, then press the number buttons to jump to the desired option.

When playing a CD

- Press (play) during playback. The selection display appears on the TV screen.
- Press and hold SHIFT, then press the number buttons to select the desired track.

When playing an audio file/JPEG image file/video file

- Press (play) during playback. The selection display appears on the TV screen.
- Press and hold SHIFT, then press the number buttons to select the desired file.

To play in programmed order

Select the tracks to play in the order you want (only for CD-DA discs). A maximum of 20 tracks can be programmed.

- Press PROGRAM. The Program Menu display appears on the TV screen.

- Press and hold SHIFT, then press the number buttons to enter a 2-digit track number for the track selection ("02" for track 2, for example).
- Press +/- to select [Start] to play the program.

To play repeatedly/shuffle, etc.

Press REPEAT repeatedly to select the desired playback mode.
The selected mode appears on the display.

- "REP CHP": Repeats the current chapter.
- "REP ALL": Repeats all titles.
- "REP TRA": Repeats the current track.
- "REP OFF": The system returns to normal playback mode.
- "SHUFFLE": Plays all tracks/chapters/files only once in random order.
- "SHUF REP": Repeats shuffle play.
- "FOLDER": Plays the current folder.
- "RANDOM": Repeatedly plays a randomly selected file from the current folder. In this mode, the same file may be played more than twice.
- "SINGLE": Plays the current file.
- "REP ONE": Repeats the current file.
- "REP FLD": Repeats the current folder.

Note
The selectable modes and their order differ depending on the disc or file.

To view information about the disc/file

You can check the playing time and remaining time of the current title, chapter, track. You can also check the time information during playback of video files.

Press TIME repeatedly during playback. Each time you press the button, the displayed item changes. Displayable items vary depending on the playback source.



■ [Last Memory]

This system recalls the point where you stopped the disc the last time it was played and resumes playback from that point the next time you insert the same disc.

[On]: The system stores the resume points in memory.

[Off]: The system does not store the resume points in memory. Playback restarts at the resume point only for the current disc in the unit.

Note

When the resume playback memory is full, the resume playback point for the earliest disc is deleted.

■ [Auto Standby] (DVD/CD and USB functions only)

[On]: Enters standby mode automatically when in stop, pause, no disc, or eject mode for more than 30 minutes.

[Off]: The unit does not enter standby mode automatically.

Video Setup Page

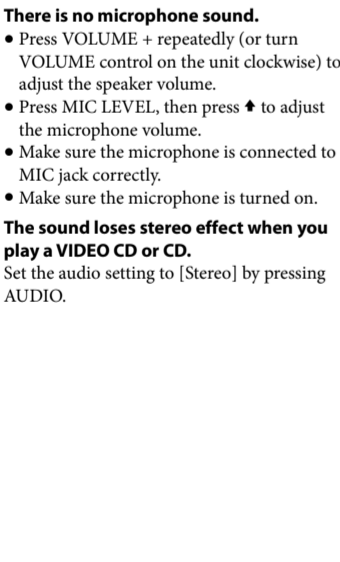
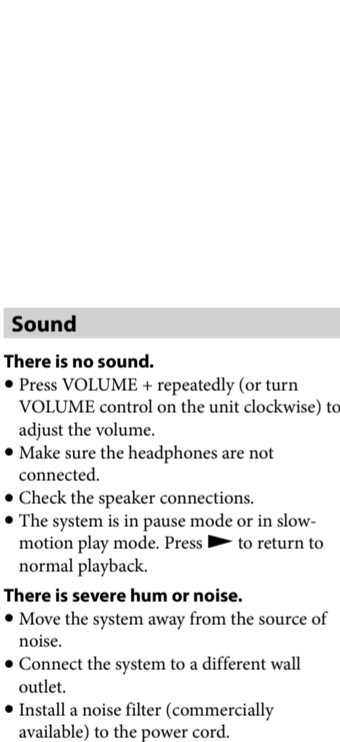
■ [Progressive]

You can set the progressive signal that is output from the COMPONENT VIDEO OUT jack.

The default setting is underlined.

[On]: Turns on the progressive scan mode. Follow the instructions on the display.

[Off]: Turns off the progressive scan mode and outputs the interlaced signal with the interlaced scan mode.



Adjusting the Sound

To generate more dynamic sound

Press DSGX on the unit repeatedly during playback to turn on or off the DSGX (Dynamic Sound Generator X-tra) function.

The default setting is underlined.

- "DSGX ON": Generates more dynamic sound.
- "DSGX OFF": Turns off the DSGX function.

To select an equalizer setting

Press EQ repeatedly during playback until the desired mode appears on the display.

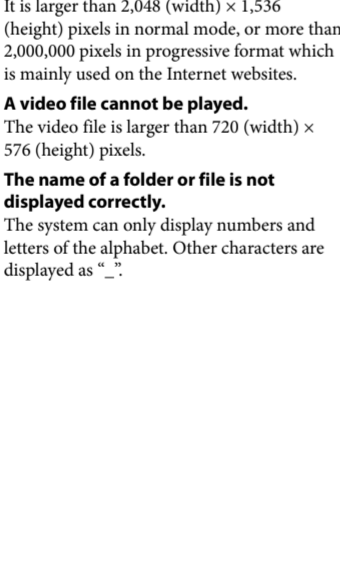
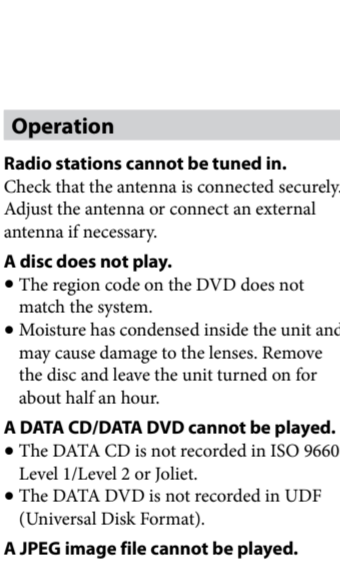
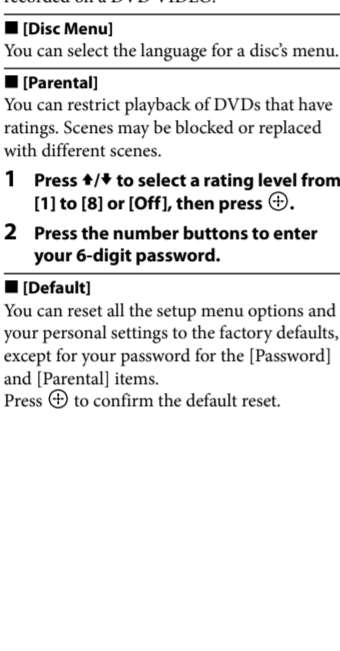
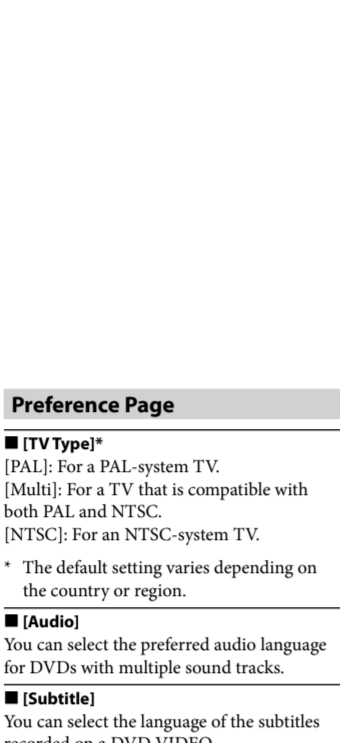
The default setting is underlined.

• "ROCK": Enhanced low and high range for great sounding movie effects and atmosphere. Great for action movies and rock music.

• "JAZZ": Clear mid and high range. Recreates the atmosphere of a live club with the artist just in front of you. Good for jazz music and watching dramas.

• "CLASSIC": Ideal for listening to classical music and watching live concert DVDs.

• "FLAT": Flat and pure sound mode.



Singing along: Karaoke

You can sing along with the music by connecting an optional microphone.

- 1 **Connect an optional microphone to the MIC jack on the unit.** "MIC ON" appears on the display.
- 2 **Press MIC LEVEL.**
- 3 **Press \ast/\ast to adjust the microphone volume.**
- 4 **Start playing the music and adjust the volume.**

■ After you have finished

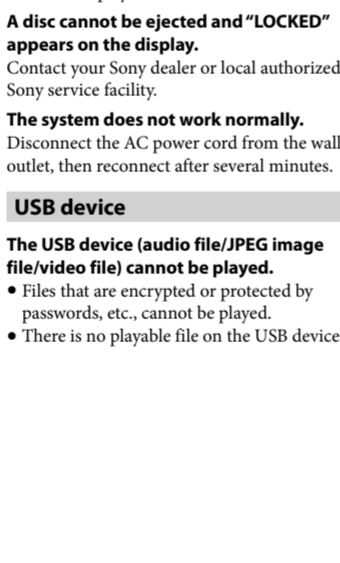
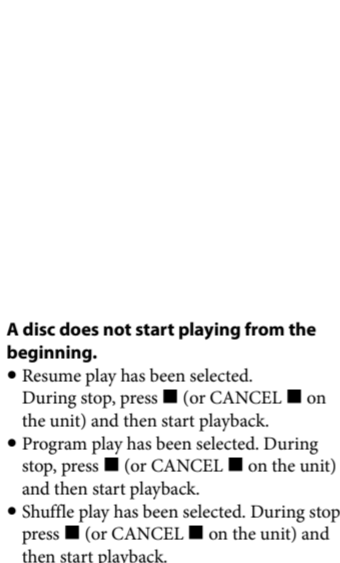
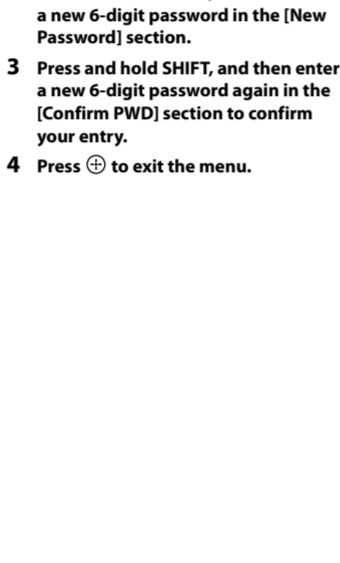
Adjust the microphone volume to "MIC 0" and disconnect the microphone from the MIC jack.

■ To adjust the microphone echo level

- 1 **Press ECHO in "MIC ON" mode.**
- 2 **Press \ast/\ast to adjust echo effect.**

Note

The microphone function ("MIC ON" mode) is not available when selecting the AUDIO IN or tuner function.



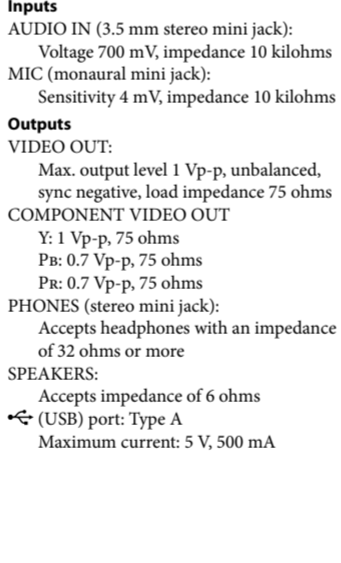
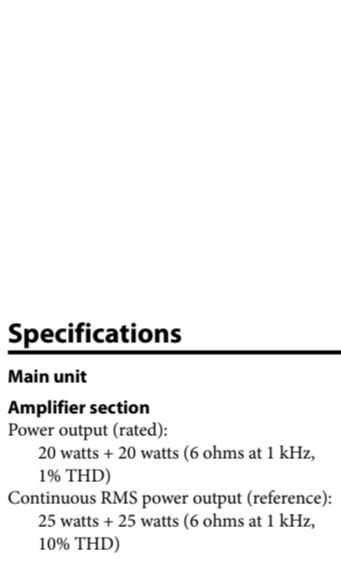
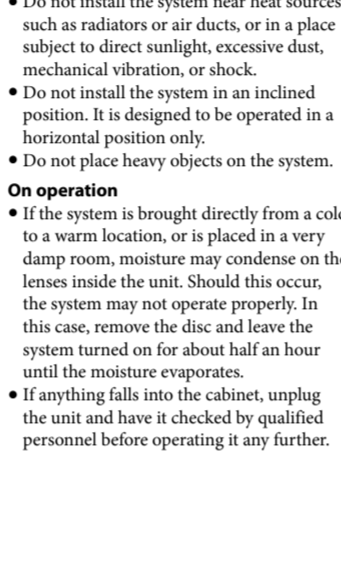
Using a Tuner

Note that the AM reception is not available for Russian model.

To preset radio stations

You can preset up to 20 FM stations and 10 AM stations. You can then tune to any of those stations simply by selecting the corresponding preset number.

- 1 **Press FUNCTION repeatedly to select "FM" or "AM."**
- 2 **Press and hold TUNING \pm for 2 seconds to start tuning until you find the desired radio station.** "SEARCH +" or "SEARCH -" appears on the display until a radio station with sufficient signal strength is found.
- 3 **Press PROGRAM.** "P 01" flashes in the display.
- 4 **Press PRESET \pm (or press and hold SHIFT, then press the number buttons) to select a preset number.**
- 5 **Press \odot to store the station frequency.**



To listen to a preset radio station

- 1 **Press FUNCTION repeatedly to select "FM" or "AM."**
- 2 **Press PRESET \pm (or press and hold SHIFT, then press the number buttons) to select a preset number.**
- 3 **Press VOLUME \pm or turn VOLUME control on the unit to adjust the volume.**

Tips

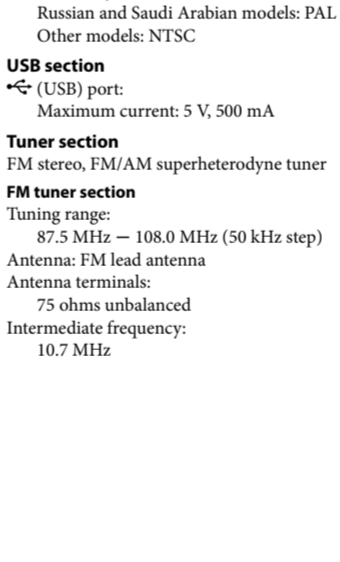
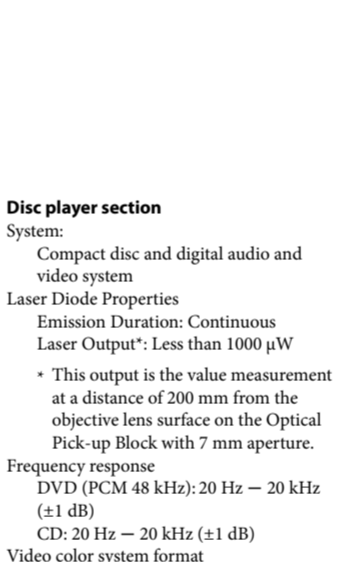
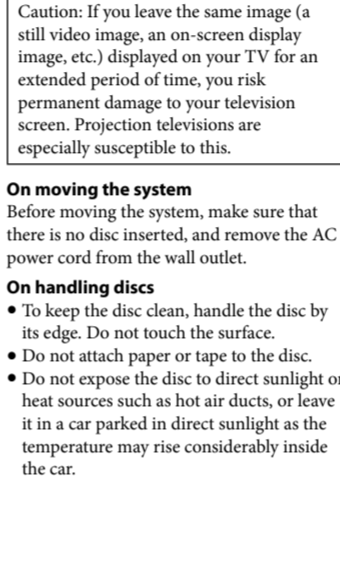
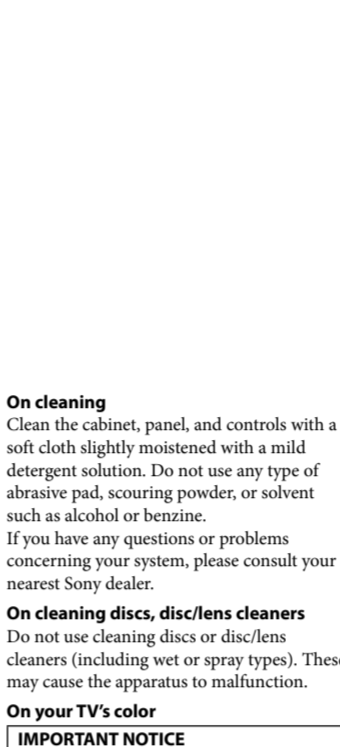
• When an FM stereo program has static noise, press AUDIO repeatedly to select "MONO." You will loose stereo effect, but reception will improve.

• When an AM program has static noise, press AUDIO repeatedly to improve the reception.

To change the AM tuning interval (except for Russian and Saudi Arabian models)

You can change the tuning interval, 9 kHz or 10 kHz, for AM reception by pressing and holding \blacktriangleright for 5 seconds when using the AM function. Please note that changing the tuning interval erases all the AM station presets.

To reset the interval to the factory preset (9 kHz), repeat the procedure.



Convenient Functions

Using the Sleep Timer

You can set the system to turn off at a preset time, so you can fall asleep listening to music.

Press SLEEP repeatedly. Each time you press this button, the minute display (the remaining time) changes by 10 minutes.

A countdown will start from the last 20 seconds before the system turns off.

■ **To check the remaining time** Press and hold SLEEP for 3 seconds. The remaining time until the system turns off appears on the display.

■ **To cancel the sleep timer function** Press SLEEP repeatedly until "OFF" appears on the display.

To change the brightness of the display

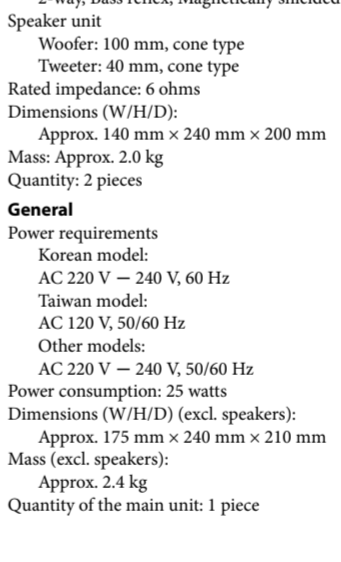
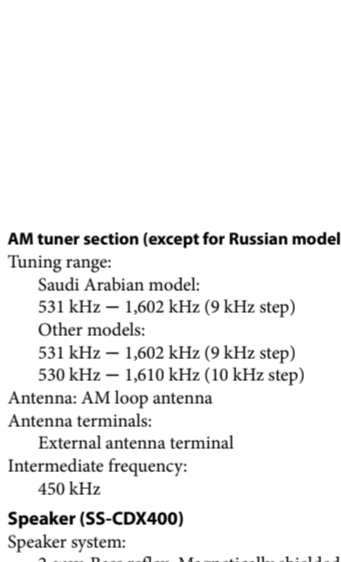
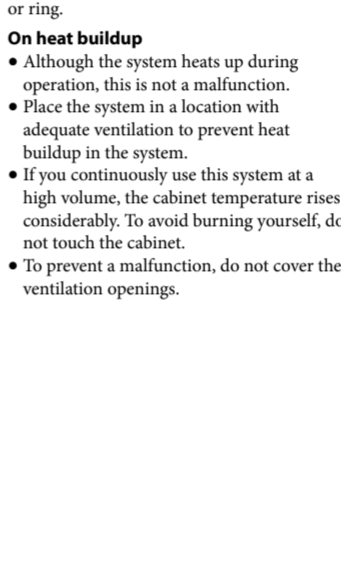
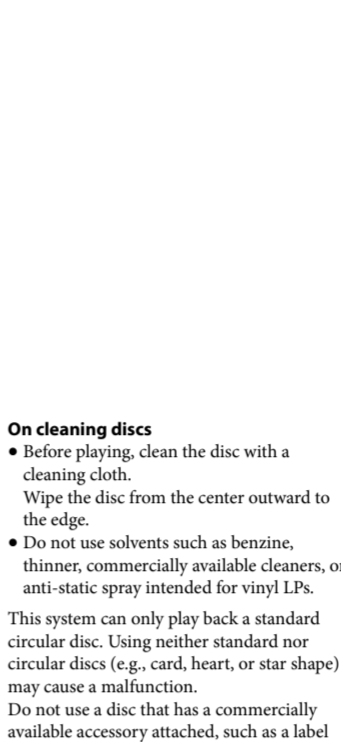
The brightness of the display can be selected from 2 levels.

The default setting is underlined.

Press DIMMER repeatedly.

• "DIM OFF": Bright.

• "DIM ON": Dark.



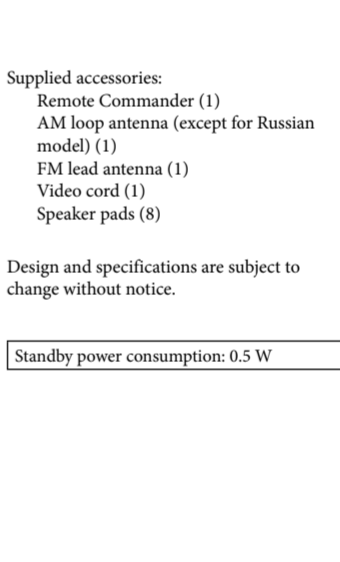
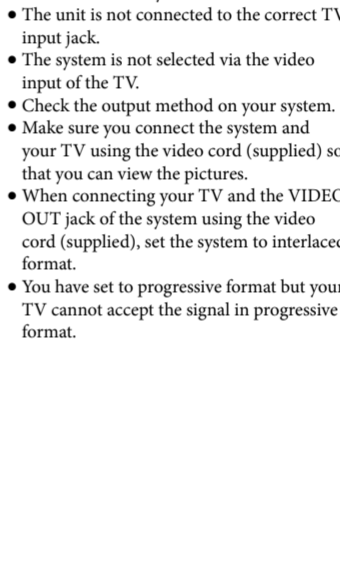
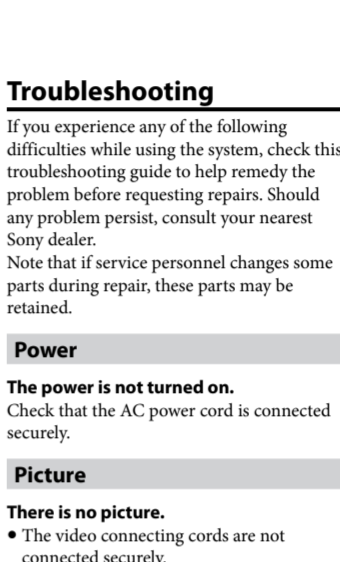
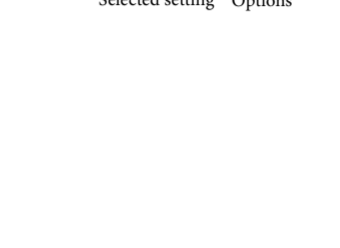
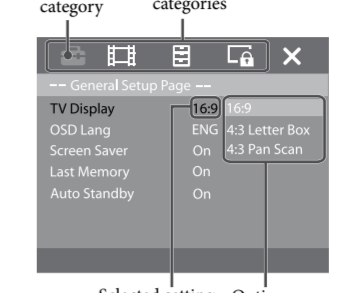
Using the Setup Display

You can make various adjustments to menu items. Displayable items may vary depending on the country or region.

The default setting is underlined.

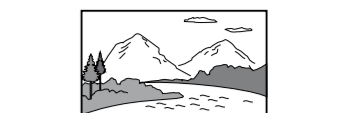
- 1 **Press FUNCTION repeatedly to select the DVD/CD or USB function.**
- 2 **Press SETUP in stop mode.** The setup menu appears.
- 3 **Press \ast/\ast to select one of the setup menu categories, then press \odot .**
- 4 **Press \ast/\ast to select a setup item, then press \blacktriangleright or \odot .**
- 5 **Select the option you want to change and press \odot to confirm and go back to the previously selected item.**
- 6 **Press SETUP to turn off the menu.**

Selected category Setup categories



General Setup Page

■ **[TV Display] [16:9]:** Select this when you connect a wide-screen TV or a TV with a wide mode function.



[4:3 Letter Box]: Displays a wide picture with black bands on the top and bottom.



[4:3 Pan Scan]: Displays a full-height picture on the entire screen, with trimmed sides.



■ **[OSD Lang] (On-Screen Display)** You can select the display language on the TV screen.

■ **[Screen Saver]**

[On]: Turns on the screen saver when in stop, pause, no disc, or eject mode for more than 15 minutes.

[Off]: Turns off the screen saver.

