SONY

Home Audio System

Operating Instructions

Getting Started

Disc

USB Device

Tuner

Other Operations

Additional Information

MHC-ECL7D/ECL6D

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.

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

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

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

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

CAUTION

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

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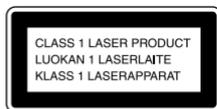
This appliance is classified as a CLASS 1 LASER product. This marking is located on the rear exterior.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

Europe Only

Pb

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

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."

Table of Contents

Playable discs

DVD	DVD VIDEO DVD-ROM DVD-R[1)2)]/DVD-RW[1)2)] DVD+R[1)2)]/DVD+RW[1)2)]
CD	CD-DA (Music CD) CD-ROM CD-R[1)3)]/CD-RW[1)3)] VIDEO CD

[1)] 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.
[2)] The system supports UDF (Universal Disk Format) for DATA DVD.
[3)] The system supports ISO 9660 Level 1/Level 2 for DATA CD.

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 of 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 ⊕.

Note on multi-session discs
This system can play back continuous sessions on a disc when they are recorded in the same format as the first session. When a session recorded in a different format is encountered, that session and the ones following it cannot be played back. Note that even if the sessions are recorded in the same format, some sessions may not play back.

Notes on discs
- The system can only play back a standard circular disc. Using anything other than standard or circular discs (e.g., card, heart, or star shaped discs) may cause a malfunction.
- Do not use a disc that has a commercially available accessory attached, such as a label or ring.

Compatible USB devices with this system

Check the websites below for information about compatible USB devices.

For customers in Russia:

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

For customers in other countries/regions:

http://www.sony-asia.com/support

Note
The system supports FAT16 and FAT32 for USB devices.

Playable file types

Video

File format	Extensions
Xvid video	".avi"

Music

File format	Extensions
MP3 (MPEG1 Audio Layer 3)[1]	".mp3"
WMA[2][3]	".wma"

Photo

File format	Extensions
JPEG	".jpg" or ".jpeg"

[1] MP3 PRO format is not supported.
[2] WMA DRM, WMA Lossless and WMA PRO formats are not supported.
[3] For USB function only

Guide to parts and controls

This manual mainly explains operations using the remote control, but the same operations can also be performed using the buttons on the unit having the same or similar names.

Main unit
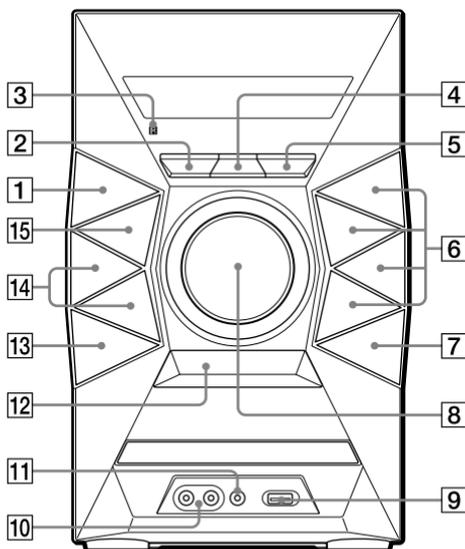
About the child lock function

You can lock the buttons except **I/**⏻ (on/standby) on the unit to prevent them from being operated by mistake. Hold down ■ (stop) on the unit until "LOCK ON" or "LOCK OFF" appears on the display. The buttons except **I/**⏻ on the unit will be locked or unlocked.

Remote control

1

I/⏻ (on/standby) button
Press to turn the system on or off.

2

OPTIONS button (page 19)
Press to erase a file or folder on the connected USB device.

3

Remote control sensor

4

REC TO USB button (page 17)
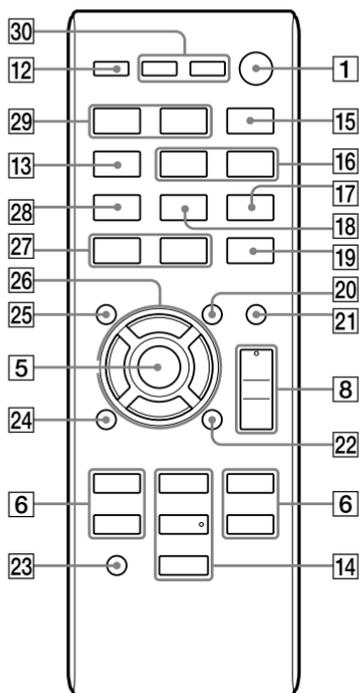Press to start transferring music from a disc to the connected USB device.

5

Unit: ENTER button
Remote control: ⊕ (enter) button
Press to enter/confirm the settings.

6

TUNING +/− button
Press to tune to a desired station.

I◀◀ /▶▶I (previous/next) button
Press to select a track, file or chapter.

◀◀/▶▶ (fast reverse/fast forward) button
Press to find a point in a track, file or chapter.

I▶ (slow forward) button
Press in pause mode to watch in slow-motion.

PRESET +/− button
Press to select a preset radio station.

7

▲ OPEN/CLOSE (open/close) button
Press to open or close the disc tray.

8

Unit: VOLUME control
Turn to adjust the volume.

Remote control: VOLUME +/− button
Press to adjust the volume.

9

⟍ (USB) port (page 16)
Use to connect a USB device.

10

AUDIO IN L/R jacks
Use to connect an external audio component.

11

MIC (microphone) jack
Use to connect a microphone.

12

BASS BOOST button
Press to create a more dynamic sound. You can turn the effect on or off by pressing repeatedly.

7^{GB}

13

EQ button
Press to select a sound effect.

14

Unit: ►ΙΙ (play/pause) button
Remote control: ► (play) button, ΙΙ (pause) button
Press to start or pause playback. To return to playback from pause status, press ► (or ►ΙΙ on the unit).

■ **(stop) button**
—Press once to stop playback and remember the stop point (resume point). Press ► (or ►ΙΙ on the unit) after this to resume playback from the point where you stopped. If you want to start playback from the first track/title/chapter, etc., press ■ twice, and then press ► (or ►ΙΙ on the unit).
—Press to cancel automatic tuning while scanning radio frequencies.
—Press to stop transferring while music data is being transferred to the connected USB device.

15

FUNCTION button
Press to select a function.

16

ECHO button
Press to adjust the echo level.

MIC LEVEL button
Press to adjust the microphone volume.

17

TIME button
Press to display or switch the time information during playback.

18

DIMMER button
Press to change the brightness of the display of the unit. Repeatedly pressing the button changes the brightness in 2 levels (bright/dark).

19

ANGLE/TIMER MENU button (page 22, 24)
—Press to switch to other viewing camera angles when multi-angles are recorded on a DVD VIDEO.
—Press to set the play timer. See also the description for the SHIFT 23 button.

20

⚙ DVD MENU button
—Press to open or close the DVD menu during playback of a DVD VIDEO.
—Press to return to the previous screen while operating in the folder/file list displayed on the TV screen.

21

MUTING button
Press to mute or unmute the sound.

22

⊡ DISPLAY button (page 23)
Press to display or hide the pull-down menu for search mode or for information about the current playback.

23

SHIFT button
Press and hold to use with the pink-labeled buttons (number buttons, SLEEP 27 and TIMER MENU 19).

24

SETUP button (page 26)
Press to open or close the setup menu.

25

DVD TOP MENU button
—Press to open the DVD top menu when playing a DVD.
—Press to turn the PBC function on or off when playing a VIDEO CD with PBC function.

26

⬆/⬇/⬅/➡ button
Press to move the cursor for item selection.

27

AUDIO/SLEEP button (page 20, 22, 24)
—Press to select an audio signal format during playback if multiple audio signal formats are available.
—Press to select the FM reception mode (monaural or stereo) when listening to FM stereo programs.
—Press to set the sleep timer. See also the description for the SHIFT 23 button.

SUBTITLE button
Press to select a subtitle language when multilingual subtitles are available (e.g., DVD VIDEOs).

28

ZOOM button
Press to zoom in or zoom out of a displayed picture when viewing a DVD VIDEO, a VIDEO CD, an Xvid video or a JPEG image. You can scroll the picture up, down, left or right at the selected magnification level by pressing ⬆/⬇/⬅/➡ 26.

29

PROGRAM button (page 20, 21)
Press to program CD-DA tracks for program play, or press to preset radio stations.

REPEAT button (page 21)
Press to activate repeat playback mode.

30

TV INPUT button
Press to switch the TV's input source between the TV signal and an other input source.
When using this system with the controllable TVs other than Sony TVs, make sure to set the manufacturer's code number. For details, see "Manufacturer's code numbers for non-Sony TVs" (page 12).

TV I/⏻ (on/standby) button
Press to turn the TV on or off.
When using this system with the controllable TVs other than Sony TVs, make sure to set the manufacturer's code number.

Hooking up the system securely

Ⓐ To left speaker
Ⓑ To right speaker
Ⓒ Speaker cord (Red)
Ⓓ Speaker cord (Black)

Ⓔ FM lead antenna
  (Extended horizontally.)
Ⓕ To wall outlet
Ⓖ AM loop antenna

MHC-ECL6D
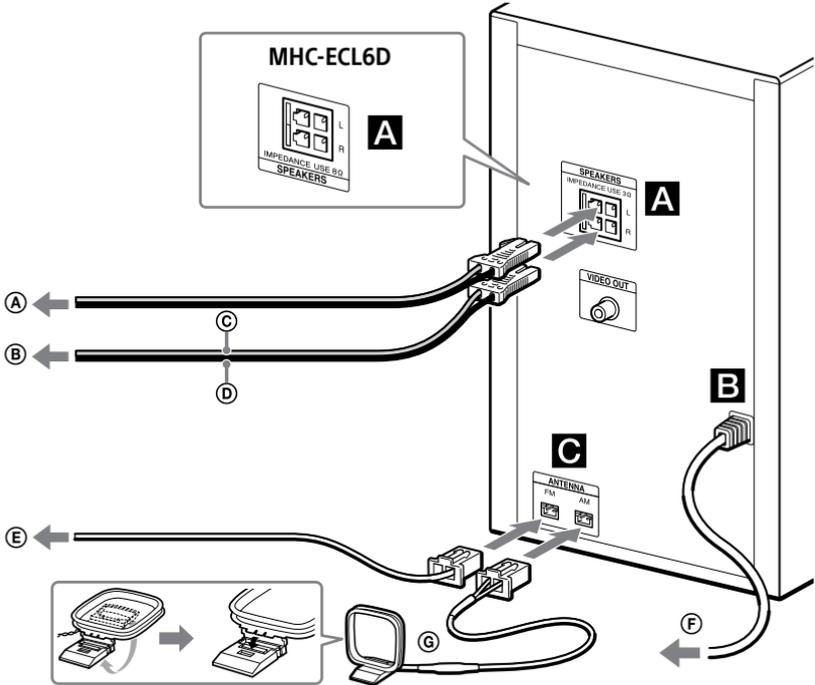
Ⓐ Speakers

Connect the speaker cords.

Ⓑ Power

Connect the power cord to a wall outlet.

Ⓒ Antennas

When inserting the connector of FM lead antenna or AM loop antenna, make sure to insert it in the correct orientation.
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.

Attaching the speaker pads

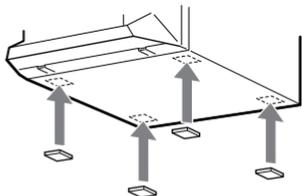Attach the supplied speaker pads at each corner on the bottom of the speakers to prevent them from slipping.

Preparing the remote control

Insert an R6 (size AA) battery (supplied), matching the polarity as shown below.
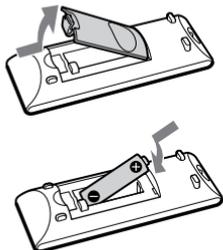
Notes on using the remote control
- With normal use, the battery should last for about six months.
- If you do not use the remote control for a long period of time, remove the battery to avoid damage from battery leakage and corrosion.

Setting the clock

1 **Press I/(¹) to turn on the system.**

2 **Press and hold SHIFT, then press ANGLE/TIMER MENU to select the clock set mode.**
If "SELECT" appears on the display, press |◀◀ /▶▶| repeatedly to select "CLOCK," and then press ⊕ (enter).

3 **Press |◀◀ /▶▶| to set the hour, and then press ⊕.**

4 **Use the same procedure to set the minutes.**
The clock settings are lost when you disconnect the power cord or if a power failure occurs.

To display the clock
Press TIME. The clock is displayed for a few seconds.

Connecting your TV

Connect the video input jack of your TV to the VIDEO OUT jack on the unit, using the supplied video cord.
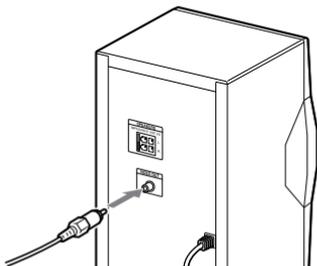
When connecting a video deck
Connect the TV and the video deck using video and audio cords (not supplied) as shown below.
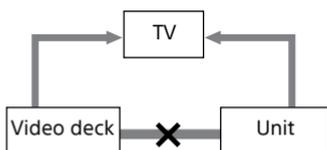
Do not connect directly.

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.

Manufacturer's code numbers for non-Sony TVs

This system supports the following TV manufacturers. Make sure to set the corresponding manufacturer's code number.

1 Press I/⏻ to turn on the system.

2 Press and hold SHIFT, then press the number buttons to enter a manufacturer's code number while holding down TV I/⏻.
If more than one code number is listed, try entering them one at a time until you find the one that works with your TV.

Manufacturer	Code number
SONY	01 (default)
HITACHI	02, 24
LG/GOLDSTAR	04, 76
NEC	04
PHILIPS	06, 08, 21, 72
TOSHIBA	07, 38
RCA	10
PIONEER	16
PANASONIC	17, 19, 49
SHARP	18, 29
SAMSUNG	20, 71
JVC	33

Setting up the color system

Change the color system if necessary from [PAL], [NTSC] or [Auto] after connecting your TV.

1 **Press I/⟳ to turn on the system.**

2 **Press FUNCTION repeatedly to switch the function to DVD/CD.**
Playback starts automatically if a disc with an auto playback function is loaded. Press ■ twice to stop playback.

3 **Press SETUP in stop mode.**
The setup menu appears.

4 **Press ◆/◆ repeatedly to select [SCREEN] settings, then press ⊕.**

5 **Press ◆/◆ repeatedly to select [TV System], then press ⊕.**

6 **Press ◆/◆ repeatedly to select [PAL], [NTSC] or [Auto], then press ⊕.**

7 **Press SETUP to turn off the setup menu.**

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

Getting Started

Playing a disc

1 **Press FUNCTION repeatedly to select the DVD/CD function.**

2 **Press ▲ OPEN/CLOSE on the unit to open the disc tray.**

3 **Place a disc in the disc tray, then press ▲ OPEN/CLOSE on the unit to close the disc tray.**
Playback starts automatically when you close the disc tray.
If playback does not start automatically, press ▶.

4 **Press VOLUME +/− to adjust the volume.**

Playing files on a disc

1 **Press FUNCTION repeatedly to select the DVD/CD.**

2 **Press ▲ OPEN/CLOSE on the unit to open the disc tray.**

3 **Place a disc in the disc tray, then press ▲ OPEN/CLOSE on the unit to close the disc tray.**

4 **Press ◄/► repeatedly to select a media type (music/photo/video), then press ⊕ (or ▶).**

5 **Press VOLUME +/− to adjust the volume.**
When you want to play a different file, stop playback, and then follow the procedure below.

To play a desired file

1 **Press ♫ DVD MENU or ▲/▼ to move the cursor to ☐..., then press ⊕.**

2 **Press ▲/▼ to move the cursor to a folder that contains a file you want to play, then press ⊕ (or ▶).**

3 **Press ◄◄/►►I or ▲/▼ to move the cursor to the desired file, then press ⊕ (or ▶) to start playback.**

(Example: MP3 disc)

4 **Press VOLUME +/− to adjust the volume.**

To play a desired folder

1 Press ⌖ DVD MENU or ↑/↓ to move the cursor to ⌒..., then press ⊕.

2 Press ↑/↓ to move the cursor to a desired folder, then press ⊕ (or ▶).

3 Press VOLUME +/− to adjust the volume.

Tips
- You can select a file to play by pressing ⏮ /⏭ repeatedly during playback while watching information on the display.
- You can return to the previous screen by pressing ⌖ DVD MENU when operating in the folder/file list displayed on the TV screen.
- You can move one page forward or backward by pressing ◄/► in the folder/file list when multiple pages exist for item selection.

Notes
- The system can recognize files or folders on a DATA DVD or DATA CD as follows:
  - up to 188 folders including the root folder on a DATA DVD or DATA CD
  - up to 999 files on a DATA DVD or DATA CD
- Some files may not play depending on the format, the encoding method or the recording condition.
- It may take time to read files when there are too many folders or files on a DATA DVD or DATA CD.

Disc

15^{GB}

USB Device

Before using the USB device

Check the information on websites for compatible USB devices using the URLs listed under "Compatible USB devices with this system" (page 5). For details on how to use the USB device, refer to the user's guide supplied with your USB device.

Notes
- Do not connect the system and the USB device through a USB hub.
- The system can recognize files or folders on a USB device as follows:
  —up to 188 folders including the root folder on a USB device
  —up to 999 files on a USB device
- It may take time to read files in the following cases:
  —there are too many folders or files on a USB device.
  —the memory capacity of the USB device is very large.
  —the memory of the USB device is fragmented.
- Music transfer functions of this system cannot be used when the number of folders on a USB device exceeds 188 (including the "ROOT" folder and empty folders).
- Do not remove the USB device during transferring or erase operations. Doing so may corrupt the data on the device or damage the device itself.
- Some files may not play depending on the format, the encoding method or the recording condition.
- Some USB devices may not work with this system.
- It may take a long time before "SEARCH" appears depending on the type of USB device connected.

To use the system as a battery charger

You can use the system as a battery charger for USB devices that have a rechargeable function when the system is on.

1 **Press FUNCTION repeatedly to select the USB function.**

2 **Connect a USB device to the ♀ (USB) port.**
The charging begins when the USB device is connected to the ♀ (USB) port. For details, refer to the user's guide supplied with your USB device.

Transferring music from a disc to the USB device

You can transfer music from a disc (CD-DA disc or MP3 disc) by using the following transfer modes of this system.

■ **CD SYNC transfer**

Transfer all the CD-DA tracks from the CD-DA disc.

■ **MP3 folder transfer**

Transfer MP3 files in a specific folder from the MP3 disc.

■ **REC1 transfer**

Transfer a currently playing track or MP3 file from the disc.

To transfer all the CD-DA tracks or a desired CD-DA track

1 Press FUNCTION repeatedly to select the DVD/CD function.

2 Connect a USB device to the ↯ (USB) port.

3 Press ⏏ OPEN/CLOSE on the unit to open the disc tray.

4 Place a disc in the disc tray, then press ⏏ OPEN/CLOSE on the unit to close the disc tray.

■ **To transfer all the CD-DA tracks (CD SYNC transfer)**

Press ■ twice to stop playback, and then proceed to step 5.

■ **To transfer a desired CD-DA track (REC 1 transfer)**

Press ⏮ /⏭ to select a desired CD-DA track during playback, then press ⊕ (or ▶) to start playback of the selected track.

5 Press REC TO USB on the unit.
"READY" appears on the display.

6 Press ⊕ to start transferring.
"USB REC" appears on the display. Do not remove the USB device until transferring is completed. When transferring is completed, "COMPLETE" appears on the display and audio files in MP3 format will be created.

To transfer a desired MP3 file or a desired MP3 folder

1 Press FUNCTION repeatedly to select the DVD/CD function.

2 Connect a USB device to the ↯ (USB) port.

3 Press ⏏ OPEN/CLOSE on the unit to open the disc tray.

4 Place a disc in the disc tray, then press ⏏ OPEN/CLOSE on the unit to close the disc tray.
Confirm that the message "MUSIC" is showing on the display, then press ⊕ (or ▶).

$$MUSIC$$

5 Select an MP3 file or MP3 folder you want to transfer.

■ **To transfer a desired MP3 file (REC1 transfer)**

1 Press ♂ DVD MENU or ↑/↓ to move the cursor to ⬜•••, then press ⊕.

2 Press ↑/↓ to move the cursor to a folder that contains a file you want to transfer, then press ⊕ (or ▶).

3 Press ⏮ /⏭ or ↑/↓ to move the cursor to the desired file, then press ⊕ (or ▶) to start playback.

■ **To transfer a desired MP3 folder (MP3 folder transfer)**

1 Press ♪ DVD MENU or ♦/♦ to move the cursor to 🗀•••, then press ⊕.

2 Press ♦/♦ to move the cursor to a desired folder, then press ⊕ (or ►).

3 Press ■ to stop playback.

6 Press REC TO USB on the unit.
"READY" appears on the display.

7 Press ⊕ to start transferring.
"USB REC" appears on the display. Do not remove the USB device until transferring is completed. When transferring is completed, "COMPLETE" appears on the display and audio files in MP3 format will be created.

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.

Folder and file generation rules

When first transferring to a USB device, a folder ("CDDA001*," "MP3_REC1" or "CD_REC1") is created directly below the "ROOT" (in case of MP3 folder transfer, a folder that has the same name as the transferring source is created below the "ROOT"). Folders and files are generated as follows.

CD SYNC transfer

Transferring source	Folder name	File name
CD-DA	"CDDA001"*	"TRACK001"*

MP3 folder transfer

Transferring source	Folder name	File name
MP3	Same as the transferring source	

REC1 transfer

Transferring source	Folder name	File name
MP3	"MP3_REC1"	Same as the transferring source
CD-DA	"CD_REC1"	"TRACK001"*

* Folder and file numbers are assigned serially thereafter.

Notes

- CD-TEXT information is not transferred in the created MP3 files. This system does not support the CD-TEXT standard.
- Transferring stops automatically if:
  - the USB device runs out of space during transferring.
  - the number of audio files and folders on the USB device reaches the limit for the number that the system can recognize.
- If a folder or file that you are trying to transfer already exists on the USB device with the same name, a sequential number is added after the name without overwriting the original folder or file.
- Do not use the buttons on the remote control or unit during transferring to prevent transferring from stopping.

Playing files on a USB device

1 Press FUNCTION repeatedly to select the USB function.

2 Connect a USB device to the ψ (USB) port.
The media type selection screen appears on the display.

3 Press ◆/➜ repeatedly to select a media type (music/photo/video), then press ⊕ (or ►).

4 Press VOLUME +/− to adjust the volume.
When you want to play a different file, stop playback, and then follow the procedures described in "To play a desired file" (page 14) and "To play a desired folder" (page 15).

Erasing audio files or folders from the USB device

1 Press FUNCTION repeatedly to select the USB function.

2 Connect a USB device to the ψ (USB) port.

3 Press I◄◄ /►►I or ◆/◆ repeatedly to select the audio file or folder you want to erase, then press ⊕ (or ►) to start playback.

4 Press OPTIONS on the unit.
"ERASE" appears on the display.

5 Press I◄◄ /►►I to select "FO ERASE" (folder erase) or "FI ERASE" (file erase).

6 Press ⊕.
"COMPLETE" appears on the display.

Listening to the radio

Presetting radio stations

1 **Press FUNCTION repeatedly to select "FM" or "AM."**

2 **Press and hold TUNING +/− for 2 seconds until the frequency begins to change on the display.**
The system automatically scans the radio frequencies and stops when it finds a clear station.
If scanning does not stop, press ■ to stop scanning, then perform manual tuning to tune to a desired station. You can perform manual tuning by pressing TUNING +/− repeatedly.

3 **Press PROGRAM.**
"P 01" flashes on the display.

4 **Press PRESET +/− (or press and hold SHIFT, then press the number buttons) to select a preset number.**

5 **Press ⊕ to store the station.**

6 **Repeat steps 2 through 5 to preset other stations.**
You can preset up to 20 FM and 10 AM stations. The preset stations are retained for about half a day even if you disconnect the power cord or if a power failure occurs.

Listening to a preset radio station

1 **Press FUNCTION repeatedly to select "FM" or "AM."**

2 **Press PRESET +/− (or press and hold SHIFT, then press the number buttons) to select a preset number.**

3 **Press VOLUME +/− to adjust the volume.**

Tip
When an FM stereo program has static noise, press AUDIO/SLEEP repeatedly to select "MONO." You will lose the stereo effect, but reception will improve.

To change the AM tuning interval (except for Russian model)

The AM tuning interval is preset to 9 kHz or 10 kHz by factory default. Use buttons on the unit to change the AM tuning interval.

1 **Tune to any AM station.**

2 **Hold down OPTIONS on the unit until "530" or "531" appears on the display.**
All the AM preset stations are erased.

Setting the play modes

Playing in programmed order (program play)

Select tracks to play in your desired order (only for CD-DA discs). A maximum of 16 tracks can be programmed.

1 Press PROGRAM.
The program menu display appears on the TV screen.

2 Press and hold SHIFT, then press the number buttons to enter a 2-digit track number ("02" for track 2, for example).

3 Press ↓ and repeat the procedure in step 2 to program additional tracks.

4 Press ←/↑/↓/→ to select [PLAY] to start the program play.

To cancel program play
Press ■, then press ►. Playback changes to normal play mode.

To delete the program
Press PROGRAM. Then, press ↑/↓/←/→ to select [CLEAR], and then ⊕.

Playing repeatedly

Press REPEAT repeatedly to select the desired play mode.
The selected mode appears on the display.
- "REP CHP": Repeats the current chapter.
- "REP TIT": Repeats the current title.
- "REP ALL": Repeats all titles/tracks/files.
- "REP OFF": The system returns to normal playback mode.
- "SHUFFLE": Repeatedly plays a randomly selected file from the current folder. In this mode, the same file may be played more than once.
- "REP ONE": Repeats the current track or file.
- "REP FLD": Repeats the current folder.

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

Adjusting the sound

Generating more dynamic sound

Press BASS BOOST repeatedly during playback to turn the function on or off.
The default setting is underlined.
- "BASS ON": Generates more dynamic sound.
- "BASS OFF": Turns off the function.

Setting the sound effect

Press EQ repeatedly until the desired sound effect is displayed.

Other Operations

Other playback operations

Changing angles (only for DVD VIDEOs)

Press ANGLE/TIMER MENU during playback to select the desired angle.

Displaying subtitles (only for DVD VIDEOs and Xvid video files)

Press SUBTITLE repeatedly during playback to select the desired subtitle language.

Changing the sound

Press AUDIO/SLEEP repeatedly during playback to select the desired audio signal format.

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

Playing 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 use the PBC menu, press and hold SHIFT, then press the number buttons to select a desired item number.

To play without using PBC

Press DVD TOP MENU.
When turning off the PBC function, you can select a desired track by entering a track number.

Magnifying 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 or a JPEG image.

Press ZOOM repeatedly to magnify the image.

Each time you press the button, the magnification level changes. You can scroll the displayed picture up, down, left or right at the selected magnification level by pressing ✦/✦/✦/✦.

Searching for a title/chapter/track, etc.

1 **Press ⊡ DISPLAY during playback.**
   The pull-down menu appears on the top of the TV screen.

2 **Press ✦/✦ to move the highlight to the track/title/chapter number area.**

3 **Press and hold SHIFT, then press the number buttons to enter a track/title/chapter number ("02" for track 2 or title 2, "003" for chapter 3, for example).**

4 **Press ⊕ to jump to the selected track/title/chapter.**

Viewing playing time information

Press ⊡ DISPLAY repeatedly during playback.

Each time you press the button, the displayed item changes. You can view information such as the elapsed playing time and the remaining time of the current track/chapter. Displayable items vary depending on the playback source.

Using the pull-down menu for various information during playback

Press ⊡ DISPLAY repeatedly during playback.

The pull-down menu appears on the TV screen. In addition to playing time information, you can view information such as the current repeat mode, selected audio format and subtitle language, for example. Displayable items vary depending on the playback source.

Listening to sound from an optional component

You can listen to sound from a component connected to the AUDIO IN L/R jacks on the unit using an audio cord (not supplied).

1 Connect the audio output jacks of your component and the AUDIO IN L/R jacks of this system using the audio cord.

2 Press VOLUME − until "VOL MIN" appears on the display.

3 Press FUNCTION repeatedly to select the AUDIO IN function.

4 Start playback of the connected component and press VOLUME +/− to adjust the volume.

Other Operations

Singing along: Karaoke

You can sing along with the music by connecting microphone (not supplied).

1 Connect an optional microphone to the MIC jack on the unit.

2 Press MIC LEVEL while singing.

3 Press ♦/♦ to adjust the microphone 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 while singing.

2 Press ♦/♦ to adjust the echo effect.

Note
The microphone function is only available when using the DVD/CD and USB functions.

Using the timers

Using the sleep timer

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

Press and hold SHIFT, then press AUDIO/SLEEP repeatedly.

Each time you press the button, the minute display (the remaining time) changes by 10 minutes.
When selecting "AUTO," the system automatically turns off after the current disc or USB device is stopped, or within 100 minutes.

To cancel the sleep timer function

Press and hold SHIFT, then press AUDIO/SLEEP repeatedly until "OFF" appears on the display.

Using the play timer

The play timer can be set with the DVD/CD, USB, FM or AM functions. Make sure you have set the clock before setting the play timer.

1 Prepare the sound source.

2 Hold down SHIFT, and then press ANGLE/TIMER MENU.

3 Press |◄◄ /►►| repeatedly to select "PLAY SET," then press ⊕.

4 Set the time to start playback.
Press ♦/♦ repeatedly to set the hour, then press ⊕. Follow the same procedure to set the minutes.

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

6 Select the sound source.

Press ✦/✦ repeatedly until the desired sound source appears, then press ⊕.

7 Press I/⏻ to turn off the system.

The system automatically turns on before the preset time.
If the system is on at the preset time, the play timer will not be activated. Do not operate the system from the time the system turns on until playback starts.

To check the setting

1 Hold down SHIFT, and then press ANGLE/TIMER MENU.

2 Press I◀◀/▶▶I repeatedly to select "SELECT," then press ⊕.

3 Press I◀◀/▶▶I repeatedly to select "PLAY SEL," then press ⊕.

To cancel the timer

Repeat the same procedure as in "To check the setting" until "OFF" appears in step 3, and then press ⊕.

To change the setting

Start over from step 1 of "Using the play timer."

Tip
The play timer setting remains until the setting is cancelled manually.

Convenient functions

Changing the brightness of the display

The brightness of the display can be selected from 2 levels.
The default setting is underlined.

Press DIMMER repeatedly.

- "<u>DIM OFF</u>": Bright.
- "DIM ON": Dark.

About automatic standby function

This system is equipped with an automatic standby function. With this function, the system enters standby mode automatically in about 30 minutes when there is no operation or audio signal output.
You can turn the automatic standby function on or off. By default, the automatic standby function is turned on.

Hold down I/⏻ on the unit while the system is on, until "AUTO STANDBY ON" or "AUTO STANDBY OFF" appears.
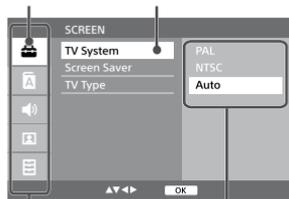
Other Operations

Using the setup menu

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.

Selected   Selected setup
category   item

Setup categories   Options

3 **Press ✦/✦ to select one of the setup categories, then press ⊕.**

4 **Press ✦/✦ to select a setup item, then press ➔ or ⊕.**

5 **Press ✦/✦ to select the option you want to change, and then press ⊕ to confirm your selection.**

6 **Press SETUP to turn off the setup menu.**

[SCREEN] settings

■ [TV System]*

[PAL]: For a PAL-system TV.
[NTSC]: For an NTSC-system TV.
[Auto]: For a TV that is compatible with both PAL and NTSC.

* The default setting varies depending on the country or region.

■ [Screen Saver]

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

■ [TV Type]

[16:9]: Select this when connecting a wide-screen TV or a TV with a wide mode function.

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

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

[LANGUAGE] settings

■ [OSD] (On-Screen Display)

You can select the display language on the TV screen.

■ [Audio]

You can select the preferred audio language for DVDs with multiple sound tracks.

■ [Subtitle]

You can select the language of the subtitles recorded on a DVD VIDEO.

■ [Menu]

You can select the language for a disc's menu.

[AUDIO] settings

■ [DRC]

Adjusts the level of dynamic range for audio output.

■ [Karaoke Setup]

[ECHO]: Adjusts the echo level.
[MIC VOL]: Adjusts the microphone volume level.

[VIDEO] settings

■ [Brightness]

Adjusts the picture brightness level.

■ [Contrast]

Adjusts the picture contrast level.

■ [Hue]

Adjusts the picture hue (color tone) level.

■ [Saturation]

Adjusts the picture saturation level.

■ [Sharpness]

Adjusts the sharpness level of the picture outline.

[PREFERENCE] settings

■ [Rating]

You can restrict playback of DVDs that have ratings. Scenes may be blocked or replaced with different scenes. If you have set a password, make sure to unlock password protection by entering your password (see "[Password]") before changing the rating level.

Press ♦/♦ to select a rating level from [0 Lock ALL] to [8 No Limit], then press ⊕.

■ [Password]

You can set a password for [Rating] and [Default] settings to avoid unwanted operation.

Enter a new 4-digit password, and then press ⊕.
When you want to change the password, enter your password to unlock the input field, and then enter a new password.
If you forget your password, follow the procedure below to confirm the currently set password.

1 **Press FUNCTION repeatedly to select the DVD/CD function.**

2 **Press ▲ OPEN/CLOSE on the unit to open the disc tray.**

3 **Press ■, ZOOM and ⊕ in turn.**
[CUSTOM PAGE] appears, and you can confirm the currently set password.
To exit the [CUSTOM PAGE], press SETUP.

■ [Default]

You can reset all the setup menu options and your personal settings to the factory defaults.
If you have set a password, make sure to unlock password protection by entering your password (see "[Password]") before performing reset.

Press ♦ to select [Restore], and then press ⊕.

Other Operations

Precautions

On placement

- Do not place the system in a confined space where ventilation is poor as this may cause overheating.
- Do not install the system near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration, or shock.
- Do not install the system in an inclined position. It is designed to be operated in a horizontal position only.
- Do not place heavy objects on the system.

On operation

- If the system is brought directly from a cold location to a warm one, or is placed in a very damp room, moisture may condense on the lenses inside the unit. Should this occur, the system may not operate properly. In this case, remove the disc and leave the system turned on for about half an hour until the moisture evaporates.
- If anything falls into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.

On cleaning

Clean the cabinet, panel, and controls 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 alcohol or benzine.
If you have any questions or problems concerning your system, please consult your nearest Sony dealer.

On cleaning discs, disc/lens cleaners

- Do not use cleaning discs or disc/lens cleaners (including wet or spray types). These may cause the apparatus to malfunction.
- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center outward to the edge.
- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.

On your TV's color

IMPORTANT NOTICE

Caution: If you leave the same image (a still video image, an on-screen display image, etc.) displayed on your TV for an extended period of time, you risk permanent damage to your television screen. Projection televisions are especially susceptible to this.

On moving the system

Before moving the system, make sure that there is no disc loaded, and remove the power cord from the wall outlet.

On handling discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not attach paper or tape to the disc.
- Do not expose discs to direct sunlight or heat sources such as hot air ducts, or leave them in a car parked in direct sunlight, as the temperature may rise considerably inside the car.

On heat buildup

- Although the system heats up during operation, this is not a malfunction.
- At high volume, over long periods of time, the cabinet becomes hot. This is not a malfunction. However, touching the cabinet should be avoided.
- Place the system in a location with adequate ventilation to prevent heat buildup in the system.
- To prevent a malfunction, do not cover the ventilation openings.

Troubleshooting

If you experience any of the following difficulties while using the system, check this troubleshooting guide to try to remedy the problem before requesting repairs. Should the problem persist, consult your nearest Sony dealer.
Note that if service personnel changes some parts during repair, these parts may be retained.

If "PROTECT" appears on the display

Immediately unplug the power cord, and check the following items after "PROTECT" disappears.

- Are you using only the supplied speakers?
- Is anything blocking the ventilation holes of the system?

After you have checked these above items and found no problems, reconnect the power cord, and turn on the system. If the issue persists, contact your nearest Sony dealer.

Power

The power is not turned on.
Check that the power cord is connected securely.

The system does not enter automatic standby mode.
- The automatic standby function is invalid for the tuner function.
- The system may not enter standby mode in the following cases:
  — when an audio signal is detected.
  — during playback of audio tracks or files.
  — while the preset play timer or sleep timer is in process.

Picture

There is no picture.
- The video connecting cord is not connected securely.
- The unit is not connected to the correct TV input jack.
- The system is not selected via the video input of the TV.
- Make sure you connect the system and your TV using the video cord (supplied) so that you can view the pictures.

Even though you set the aspect ratio in "[TV Type]" under "[SCREEN] settings," the picture does not fill the TV screen.
The aspect ratio is fixed on the disc.

Color irregularity occurs on the TV screen.
The system's speakers contain magnetic parts, so magnetic distortion may occur. When color irregularity occurs on the TV screen, check the following items.
—Install the speakers at least 0.3 meters away from your TV set.
—If the color irregularity persists, turn off the TV set once, then turn it on after 15 to 30 minutes.
—Reposition the speakers farther away from your TV set.

The [TV System] setting does not match your TV.
Reset the setting (see "[Default]" under "[PREFERENCE] settings").

Sound

There is no sound.
- Press VOLUME + repeatedly to adjust the volume.
- Check the speaker connections.
- The system is in pause status or in slow-motion play mode. Press ▶ to return to normal playback.

There is severe hum or noise.
- Move the system away from the source of noise.
- Connect the system to a different wall outlet.
- Install a noise filter (commercially available) on the power cord.

There is no microphone sound.
- Press VOLUME + repeatedly to adjust the speaker volume.
- Press MIC LEVEL, then press ♦ to adjust the microphone volume.
- Make sure the microphone is connected to MIC jack correctly.
- Make sure the microphone is turned on.

Operation

There is severe hum or noise, or stations cannot be received.
- Connect the antenna properly.
- Try another location and orientation for better antenna reception.
- Keep the antenna away from the speaker cords and the power cord to avoid picking up noise.
- Turn off nearby electrical equipment.

A disc does not play.
- The region code on the DVD does not match the system.
- Moisture has condensed inside the unit and may cause damage to the lenses. Remove the disc and leave the unit turned on for about half an hour.

Files on the DATA DVD, DATA CD or USB device cannot be played.
- The system cannot play audio files with DRM (Digital Rights Management) copyright protection or files downloaded from an online music store. If you try to play one of these files, the system plays the next unprotected audio file.
- There is no playable file on the disc or USB device.

A video file cannot be played.
The video file is larger than 720 (width) × 576 (height) pixels.

The name of a folder or file is not displayed correctly.
The system can only display numbers and letters of the alphabet. Other characters are displayed as "-".

A disc does not start playing from the beginning.

- The disc is in resume play mode. Pressing ■ once during playback makes the system resume play mode. When you want to restart playback from the beginning, press ■ twice, and then press ►.
- Program play or shuffle play mode may have been selected. Stop playback and set the play mode to normal play.

A disc cannot be ejected and "LOCKED" appears on the display.
Contact your Sony dealer or local authorized Sony service facility.

The system does not work normally.
Disconnect the power cord from the wall outlet, then reconnect after several minutes.

The USB device does not work properly.
If you connect an unsupported USB device, the following problems may occur. Check the information on websites for compatible USB devices using the URLs listed under "Compatible USB devices with this system" (page 5).
—The USB device is not recognized.
—File or folder names are not displayed on this system.
—Playback is not possible.
—The sound skips.
—There is noise.
—A distorted sound is output.

"OVER CURRENT" appears.

- A problem has been detected with the level of electrical current from the ψ (USB) port. Turn off the system and remove the USB device from the ψ (USB) port. Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

Transferring results in an error.

- Check the information on websites for compatible USB devices using the URLs listed under "Compatible USB devices with this system" (page 5).
- 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 then on again after removing it from the system. Then perform transferring again.
- The USB device was disconnected or the power was turned off during transferring. Delete the partially transferred file, and perform transferring 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.

Additional Information

Messages

DISC ERR
You have loaded a disc that cannot be played.

ERROR
The memory of the USB device is full.

NO FILE
There are no playable files on the discs or on the USB device.

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

PLAY SET
You tried to select the timer when the play timer is not set.

SELECT
You pressed SHIFT and ANGLE/TIMER MENU during timer operation.

TIME NG
The play timer start and end times are set to the same time.

Specifications

Main unit

Amplifier section
MHC-ECL7D
Power output (rated):
 60 W + 60 W (at 3 ohms, 1 kHz, 1% THD)
Output power (reference):
 235 W + 235 W (per channel at 3 ohms, 1 kHz)

MHC-ECL6D
Power output (rated):
 30 W + 30 W (at 8 ohms, 1 kHz, 1% THD)
Output power (reference):
 60 W + 60 W (per channel at 8 ohms, 1 kHz)

Inputs
AUDIO IN L/R jacks:
 Sensitivity 1.2 V, impedance 10 kilohms
MIC (monaural mini jack):
 Sensitivity 4 mV, impedance 10 kilohms

Outputs
VIDEO OUT:
 Max. output level 1 Vp-p, unbalanced, sync negative, load impedance 75 ohms
SPEAKERS
 MHC-ECL7D: accepts impedance of 3 ohms
 MHC-ECL6D: accepts impedance of 8 ohms

Disc player section

System:
Compact disc and digital audio and video system

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

* This output is the value measurement at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.

Video color system format
PAL or NTSC

USB section

ψ (USB) port:
Type A, maximum current: 500 mA

Tuner section

FM stereo, FM/AM superheterodyne tuner
FM tuning range:
87.5 MHz — 108.0 MHz (50 kHz step)
AM tuning range:
Russian model:
531 kHz — 1,602 kHz (9 kHz step)
Other models:
531 kHz — 1,602 kHz (9 kHz step)
530 kHz — 1,610 kHz (10 kHz step)
Antenna: FM lead antenna, AM loop antenna

Speaker (SS-ECL7D for MHC-ECL7D)

Speaker system: 2-way speaker system, Bass reflex
Speaker units:
Woofer: 160 mm, cone type
Tweeter: 40 mm, horn type
Rated impedance: 3 ohms
Dimensions (W/H/D): Approx. 230 mm × 300 mm × 205 mm
Mass: Approx. 2.6 kg net per speaker
Quantity: 2 pieces

Speaker (SS-ECL6D for MHC-ECL6D)

Speaker system: 2-way speaker system, Bass reflex
Speaker units:
Woofer: 130 mm, cone type
Tweeter: 40 mm, horn type
Rated impedance: 8 ohms
Dimensions (W/H/D): Approx. 200 mm × 300 mm × 185 mm
Mass: Approx. 2.3 kg net per speaker
Quantity: 2 pieces

General

Power requirements:
AC 120 V — 240 V, 50/60 Hz
Power consumption:
MHC-ECL7D: 70 watts
MHC-ECL6D: 50 watts
Dimensions (W/H/D, including largest protrusions) (excl. speakers):
MHC-ECL7D: Approx. 193 mm × 300 mm × 260 mm
MHC-ECL6D: Approx. 193 mm × 300 mm × 260 mm
Mass (excl. speakers):
MHC-ECL7D: Approx. 2.4 kg
MHC-ECL6D: Approx. 2.4 kg
Quantity of the main unit: 1 piece
Supplied accessories:
Remote control (1)
R6 (size AA) battery (1)
FM lead antenna (1)
AM loop antenna (1)
Video cord (1)
Speaker pads (8)

Design and specifications are subject to change without notice.

Standby power consumption: 0.5 W

Additional Information

Licences and trademarks

- This system incorporates Dolby* Digital.

  * Manufactured under license from Dolby Laboratories.
    "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

- "DVD" logo is a trademark of DVD Format/Logo Licensing Corporation.

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

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Additional Information