

Notice on the Addition of Functions

In addition to the functions described in the operating instructions, there are a number of other functions that have been added. These new functions are described in this notice. Also refer to the included operating instructions.

The additional functions are as follows:

- DTS-HD audio output
- Speaker Setup
- Image file playback



Caution

- The addition of the functions resets the speaker settings. To use 7.1-channel analog output signals, check the speaker settings.

DTS-HD audio output

Output of the DTS Digital Surround and DTS-HD (DTS-HD High Resolution Audio and DTS-HD Master Audio) signals recorded on BD-ROMs has changed.

- Before the function was added, the DTS Digital Surround signals included within the DTS-HD signals were converted to linear PCM or analog audio signals for output. With the addition of the function, the DTS-HD signals are converted into linear PCM or analog audio signals for output.
- When using with a 7.1-channel speaker system, DTS Digital Surround signals are output in up to 7.1 channels.

For details, refer to the table below.

Changes are indicated in **bold**.

Audio format	AUDIO OUT terminals		DIGITAL OUT terminals		HDMI OUT terminal ¹	
	2ch ²	Multi-channel ²	Converted to linear PCM audio ³	Not converted to linear PCM audio ^{4,5}	PCM ⁶	Auto ^{6,7,8}
BD-ROM	DTS Digital Surround				7.1-channel audio⁹	DTS Digital Surround
	DTS-HD High Resolution Audio	Converted to 2-channel audio	7.1-channel audio⁹	Converted to 2-channel audio	DTS Digital Surround	DTS-HD High Resolution Audio
	DTS-HD Master Audio				7.1-channel audio^{9,10}	DTS-HD Master Audio ¹¹

1. When outputting linear PCM audio signals, if the number of compatible channels of the connected HDMI device is lower, the signals are output with the number of channels for which the device is compatible.
2. When **Audio Output Mode** is set to **2 Channel** or **Multi-channel**.
3. When **DTS Out** is set to **DTS → PCM**.
4. When **DTS Out** is set to **DTS 1/DTS 2**.
5. When outputting DTS Digital Surround bitstream with settings of **DTS 2** at **DTS Out**, the secondary audio and interactive audio signals are not mixed for output.
6. When **HDMI Audio Out** is set to **PCM** or **Auto**.
7. When outputting the bitstream of DTS-HD Master Audio, DTS-HD High Resolution Audio or DTS Digital Surround, the secondary audio and interactive audio signals are not mixed.
8. If the connected HDMI device is not compatible with DTS-HD Master Audio or DTS-HD High Resolution Audio, the signals are output in DTS Digital Surround bitstream.
If the connected HDMI device is not compatible with DTS Digital Surround bitstream, the signals are output in linear PCM.
9. Only compatible with 7.1-channel surround back. 6.1-channel surround back is output in 7.1 channels. In other cases, output as audio signals of 5.1-channels or less.
10. When the output video resolution is set to 480i or 480p, the signals may be output in 2 channel, depending on the **HDMI High Speed Transmission** setting and/or the connected HDMI device.
11. When the output video resolution is set to 480i or 480p, the signals may be output in DTS Digital Surround bitstream, depending on the **HDMI High Speed Transmission** setting and/or the connected HDMI device.



Caution

- The output from all terminals other than the ones selected for **Audio** does not sound as intended by the content provider.

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Speaker Setup

The following settings can be made at the speaker settings:

- Size of the different speakers
- Whether or not a subwoofer is connected
- Crossover frequency

This setting is only valid for the **AUDIO OUT (7.1 ch)** terminals.

The crossover frequency setting is the frequency (Hz) below which the bass component of channels whose speaker size is set to **Small** is distributed to the subwoofer or left and right channels for output, as well as the frequency (Hz) below which LFE signals (the channel normally output to the subwoofer) are output.

Changing the speaker setup

- When there are no speakers whose speaker size is set to **Small**, select **Bypass** for the crossover frequency.
- When there are speakers whose speaker size is set to **Small**, select the crossover frequency (**Bypass** cannot be selected).

1 When playback is stopped, display the Home Menu screen.

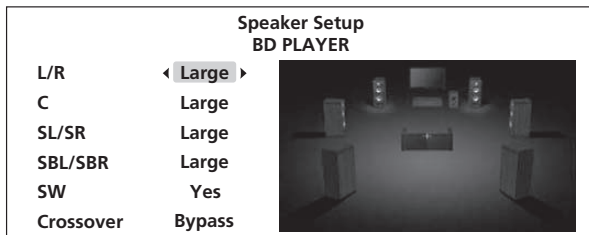
Press **HOME MENU**.

2 Select and set Initial Setup → Speakers → Speaker Setup → Next Screen.

Use **↑/↓** to select, then press **ENTER**.

3 Select the speaker and change the setting.

Use **↑/↓** to select, then use **←/→** to change the setting.



- **L/R** (front left and right speakers): **Large/Small**
- **C** (center speaker): **Large/Small/None**
- **SL/SR** (left and right surround speakers): **Large/Small/None**
- **SBL/SBR** (left and right surround back speakers): **Large/Small/None**
- **SW** (subwoofer): **Yes/No**
- **Crossover**: **Bypass/50 Hz/80 Hz/100 Hz/150 Hz**

Note

- Depending on the combination of settings of the different speakers, the settings of speakers other than the one you have changed may also change automatically.
- When a subwoofer with a filter bypass function is connected and there is no speaker whose speaker size is set to **Small**, if the subwoofer's filter is set to be bypassed, the player's high precision digital filter is used. In this case, set the crossover frequency to something other than **Bypass**.
- By default, the crossover frequency is set to **Bypass**.
- Before the function was added, the crossover frequency was set to **100 Hz** if there were speakers whose speaker size was set to **Small**. Otherwise, it was set to **Bypass**.

- After the functions are added, all of the speaker settings are reset. To use 7.1-channel analog output signals, check the speaker settings.

Image file playback

Image files recorded on DVDs or CDs can be played.

Caution

- In DVD, only the one recorded by the ISO 9660 file system can be played.

Playable files

❖ Supported image file formats

• JPEG

File format: JFIF Ver1.02/Exif Ver.2.2

Resolution: Up to 4096 x 4096 pixels

Only baseline JPEG files are supported.

❖ Playable file extensions

• Image files

.jpg .jpeg

Playing image files

1 Press HOME MEDIA GALLERY to display the Home Media Gallery.

The Home Media Gallery can also be displayed by selecting **Home Media Gallery** from the Home Menu then pressing **ENTER**.

2 Select the disc → Photos → Folders or All Photos.

Use **↑/↓** to select, then press **ENTER**.

- **Folders** – The files in the selected folder are displayed.
- **All Photos** – All the recorded files are displayed.

If you have selected **All Photos**, proceed to step 4.

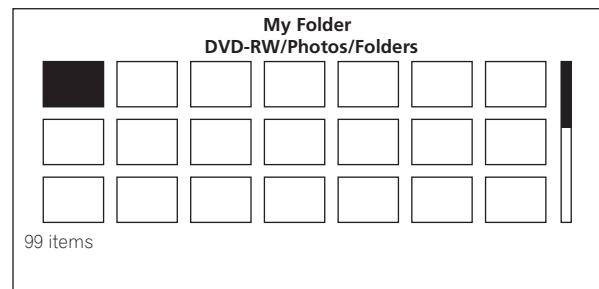
3 Select the folder containing the file you want to play.

Use **↑/↓/←/→** to select, then press **ENTER**.

A list of the files and folders in the selected folder is displayed.

4 Select and set the file you want to play.

Use **↑/↓/←/→** to select, then press **ENTER**.



A slideshow starts from the selected file, and continues until the end of the list is reached.

Slideshows can also be started by selecting **Slideshow** from the **TOOLS** menu.

❖ About Slideshow

A display of the files on the disc or in the folder that switches automatically.

- Use **◀◀/▶▶** to display the previous or next file.
- Use **DISPLAY** to display the disc information.
- When **■ STOP** is pressed during playback, the point at which the disc stopped is stored in the memory. When **▶ PLAY** is pressed, playback resumes from that point (resume playback function).

❖ Rotating images

▶ **Press ANGLE while playing a slideshow.**

- **The image rotates each time the button is pressed (90° → 180° → 270° → 0° → ...).**

The image can also be rotated by selecting **Rotate** from the **TOOLS** menu.

❖ About Play Mode types

The **All Repeat** and **Random Play** commands can be used during image file playback. When **All Repeat** is selected, all the files in the folder are played repeatedly.