

Audio Output Signals

The audio output differs as follows, depending on the source, output jack, and the selected settings.

Disc/source	Jacks/ settings ¹		Digital			Analog	
	HDMI OUT jack ²	Auto ³	2ch PCM ³	DIGITAL OUT (OPTICAL/COAXIAL) jacks ⁴	Bitstream ⁴	PCM	LINE OUT (R-AUDIO-L) jacks
BD	LPCM 2ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	2ch
	LPCM 5.1ch	LPCM 5.1ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	2ch
	LPCM 7.1ch	LPCM 7.1ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	2ch
	Dolby Digital	LPCM 5.1ch ⁵	LPCM 2ch	Dolby Digital/LPCM 2ch ⁶	LPCM 2ch	LPCM 2ch	2ch
	Dolby Digital Plus	LPCM 7.1ch ⁵	LPCM 2ch	Dolby Digital/LPCM 2ch ⁶	LPCM 2ch	LPCM 2ch	2ch
	Dolby TrueHD	LPCM 7.1ch ⁵	LPCM 2ch	Dolby Digital/LPCM 2ch ⁶	LPCM 2ch	LPCM 2ch	2ch
	DTS	LPCM 5.1ch ⁵	LPCM 2ch	DTS/LPCM 2ch ⁶	LPCM 2ch	LPCM 2ch	2ch
	DTS-HD High Resolution Audio	LPCM 5.1ch ⁵ (DTS core)	LPCM 2ch	DTS/LPCM 2ch ⁶	LPCM 2ch	LPCM 2ch	2ch
	DTS-HD Master Audio	LPCM 5.1ch ⁵ (DTS core)	LPCM 2ch	DTS/LPCM 2ch ⁶	LPCM 2ch	LPCM 2ch	2ch
	Dolby Digital	LPCM 2ch	LPCM 2ch	Dolby Digital	LPCM 2ch	LPCM 2ch	2ch
DVD	LPCM	LPCM 2ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	2ch
	Dolby Digital	Dolby Digital	LPCM 2ch	Dolby Digital	LPCM 2ch	LPCM 2ch	2ch
CD	DTS	DTS	LPCM 2ch	DTS	LPCM 2ch	LPCM 2ch	2ch
	LPCM	LPCM	LPCM 2ch	LPCM 2ch	LPCM 2ch	LPCM 2ch	2ch
DTS 5.1 MUSIC DISC	DTS	DTS	LPCM 2ch	DTS	LPCM 2ch	LPCM 2ch	2ch

¹ When "Audio Output Priority" is set to "Stereo Analog," LPCM 2ch signals are output from each jack.

² When "Audio Output Priority" is set to "HDMI" or "Coaxial/Optical," LPCM 2ch signals are output from jacks other than the selected jack.

³ Auto: when "Audio (HDMI)" is set to "Auto" in the "Audio Settings" setup (page 44).

⁴ Bitstream: when "Audio (HDMI)" is set to "2ch PCM" in the "Audio Settings" setup (page 44).

⁵ "Dolby Digital" or "DTS" is set to "DTS" in the "Audio Settings" setup (page 44).

⁶ When "BD Audio Setting" is set to "Direct," audio recorded by the source is output by bitstream. However, this audio may be output as follows depending on the audio formats supported by the AV amplifier (receiver).

— When the AV amplifier (receiver) does not support HD Audio (Dolby Digital Plus, Dolby TrueHD, DTS-HD High Resolution Audio and DTS-HD Master Audio) but supports Multi-ch LPCM, up to LPCM 7.1ch is output.

— When the AV amplifier (receiver) does not support HD Audio or Multi-ch LPCM but supports Dolby Digital/DTS, a Dolby Digital or DTS bitstream is output.

— When the AV amplifier (receiver) does not support HD Audio, Multi-ch LPCM or Dolby Digital/DTS, LPCM 2ch is output.

⁶ The 2-channel or less-channel primary/secondary audio signals are output as LPCM 2ch signals.

⁷ When outputting 480i/480p video signals from the HDMI OUT jack, Dolby TrueHD and DTS-HD Master Audio are output as LPCM. Dolby Digital or DTS bitstream signals even if "BD Audio Setting" is set to "Direct" in the "Audio Settings" setup (page 44).

Specifications

System

Laser: Semiconductor laser

Inputs and outputs

(Jack name):

Jack type/Output level/Load impedance)

LINE OUT R-AUDIO-L:

Phono jack/2 Vrms/10 kilohms

DIGITAL OUT (OPTICAL):

Optical output jack/-18 dBm

(wave length 660 nm)

DIGITAL OUT (COAXIAL):

Phono jack/0.5 Vp-p/75 ohms

HDMI OUT:

HDMI 19-pin standard connector

COMPONENT VIDEO OUT (Y, Pb, Pr):

Phono jack/Y: 1.0 Vp-p/
Pb, Pr: 0.7 Vp-p/75 ohms

LINE OUT VIDEO:

Phono jack/1.0 Vp-p/75 ohms

LINE OUT S VIDEO:

4-pin mini DIN/
Y: 1.0 Vp-p, C: 0.286 Vp-p/75 ohms

LAN (100):

100BASE-TX Terminal

EXT:

External memory slot (For connecting the external memory)

DC output: 5 V 500 mA Max

General

Power requirements:

120 V AC, 60 Hz

Power consumption:

26 W

Dimensions (approx.):

430 mm x 220 mm x 60 mm

(17 in. x 8 3/4 in. x 2 3/8 in.)

(width/depth/height) incl. projecting parts

Mass (approx.):

2.9 kg (6 3/8 lb)

Operating temperature:

5 °C to 35 °C (41 °F to 95 °F)

Operating humidity:

25 % to 80 %

Supplied accessories

See page 13.

Specifications and design are subject to change without notice.