

Connecting—Continued

Audio Formats & DV-SP1000/DV-SP1000E Outputs

The DV-SP1000/DV-SP1000E supports many digital audio formats. The following table shows which outputs work with each format.

Disc type	Audio format	DV-SP1000/DV-SP1000E audio output					
		HDMI OUT (digital) ^a	i.LINK (digital) ^b	DIGITAL 1 & 2 AUDIO OUT (digital) ^c	FRONT, SURR 1, CENTER, SUBWOOFER, SURR 2 (analog) ^d	D.MIX AUDIO OUT (analog) ^e	SCART (analog) ^f
DVD-Video	PCM	✓ ^g	✓ ^h	✓ ⁱ	✓ ^j	✓	✓
	Dolby Digital	✓ ^k	✓	✓	✓ ^l	✓	✓
	DTS	✓ ^k	✓	✓	✓	✓	✓
	MPEG ^m	✓ ^k	✓	✓	✓	✓	✓
DVD-Audio ⁿ	PCM	✗	✓	✓ ^{o, i}	✓	✓	✓
	Dolby Digital	✗	✓	✓ ^p	✓	✓	✓
	DTS	✗	✓	✓ ^p	✓	✓	✓
	MPEG	✗	✓	✓ ^p	✓	✓	✓
SACD ^q	Stereo area	✗	✓ ^r	✗	✓	✓	✓
	Multichannel area	✗	✓ ^r	✗	✓	✓	✓
	Hybrid disc CD layer	✓	✓	✓	✓	✓	✓
VCD	MPEG1	✓	✓	✓	✓	✓	✓
CD	PCM	✓	✓	✓ ⁱ	✓ ^j	✓	✓
	DTS	✓ ^k	✓	✓	✓	✓	✓
MP3	MP3	✓	✓	✓	✓	✓	✓

- a. The Digital Out/Digital 2 settings apply to the HDMI OUT (see page 75). Components must support HDCP (High-bandwidth Digital Content Protection) in order to play DVD-Video. The DV-SP1000/DV-SP1000E does.
- b. The Digital Out/Digital 1 settings apply to the i.LINK sockets (see page 74). Components must support DTCP (Digital Transmission Content Protection) in order to play DVD-Video, DVD-Audio, and SACD. The DV-SP1000/DV-SP1000E does.
- c. If the Digital Out setting is set to Off, nothing is output by these outputs (see page 75).
- d. 2-channel stereo sources are output only by the FRONT AUDIO OUT sockets. For multichannel sources, the Downmix Setting determines how the FRONT AUDIO OUT sockets work (see page 76).
- e. 2-channel sources, including Dolby Surround, are output as they are. Multichannel sources are down mixed.
- f. European model only. 2-channel sources, including Dolby Surround, are output as they are. Multichannel sources can be down mixed to stereo or Lt/Rt (see page 76).
- g. To output PCM at sampling rates other than 44.1 kHz and 48 kHz, set the Linear PCM Out setting to Down Sample On (see page 75).
- h. Protected high sampling rate digital audio (96 kHz) will be down sampled to 48 kHz.
- i. You can choose whether or not to downsample 96 kHz audio to 48 kHz (see page 75).
- j. Set the Dolby Pro Logic setting to On to add surround sound (see page 76).
- k. To use with an HDMI TV that does not support this format, set the appropriate Digital Out/Digital 2 setting (i.e., Dolby Digital Out, DTS Out, or MPEG Out) to downmix to PCM (see page 75).
- l. Set the Dolby Pro Logic setting to Auto or On to decode Dolby Surround material. Set it to On to add surround sound to 2-channel Dolby Digital material (see page 76).
- m. Only the 2-channel audio information is used.
- n. High sampling rate DVD-Audio (192 kHz/176 kHz) will be down sampled to 96 kHz, 88.2 kHz, 48 kHz, or 44.1 kHz depending on the disc.
- o. Some DVD-Audio discs may not allow PCM output from the DIGITAL 1/2 AUDIO OUTS.
- p. Multichannel DVD-Audio will be down mixed to stereo.
- q. By default the DV-SP1000/DV-SP1000E plays the multichannel area, although you can change this (see page 80).
- r. When the i.LINK Output Setting is set to On, SACD audio is output from the i.LINK sockets, but not the analog audio outputs. When it's set to Off, SACD audio is output from the analog audio outputs, but not the i.LINK sockets (see page 76).