

SONY

STR-DH550

5.2 Ch. 4K A/V Receiver

Bring the excitement home with 5.2 channels, 725 watts⁸ and iPhone[®] and iPod[®] connectivity. It also handles all of your components with 4 HD inputs and 4K resolution pass-through. Now, all of your music and movies will get the multi-layered sound quality they deserve with HD Digital Cinema Sound and auto calibration for easy set-up.



Bullets

- 5.2 Ch. 725W A/V Receiver (145 W x 7 @ 6 ohms, 1 kHz, THD 0.9%)
- Enhanced use via On Screen Display and streamlined remote
- Supports high-res file playback via USB²
- Flexible HDMI[®] connectivity with 4 inputs and 1 output²
- Pure Direct mode minimizes audio noise in the signal path
- Enjoy smartphone content via MHL connectivity (x1)³
- Supports 4K pass-through⁴
- Standby A/V pass-through for connected HDMI[®] devices
- HDMI[®] Audio Return Channel for playback of TV audio⁵
- Front USB for iPod[®]/iPhone[®] playback and charging¹
- HD Digital Cinema SoundTM
- Experience memorable performances with Sony's Sound Field Technology
- Digital Cinema Audio Calibration for quick Set-Up
- Dolby[®] TrueHD, Prologic, Prologic II, and dts[®] HD Enhanced Audio Codecs⁶
- BRAVIA[®] Sync for multi-device control w/ one remote⁷
- Supports 3D pass-through⁸
- Supports 24p True CinemaTM pass-through⁹

Features

5.2 Ch. Of Surround Sound

145W per channel, the STR-DH550 delivers impressive multi-channel sound performance. (145W x 7 @ 6 ohms, 1 kHz, 0.9% THD).

On-screen user interface

Easily set-up and control the A/V receiver via the on-screen graphical user interface. Change inputs, adjust settings, and confirm volume levels on-screen.

High Resolution Audio playback

Enjoy High Resolution file playback (up to 48k/16-bit PCM) when using the convenient USB connector. Simply plug-in the compatible device to the receiver and enjoy¹.

Smartphone savvy

Easily connect and charge compatible, portable devices including: Android[™] smartphones, iPod[®]/iPhones[®], digital music players, and even USB thumb drives or hard drives¹.

4 High-Definition Inputs

Enjoy versatile high definition audio/video connectivity² with four HDMI[®] inputs (up to 4K capable) that allow you to connect a Sony[®] PlayStation[®] entertainment system, Blu-ray Disc[™] player, or any other HDMI[®] capable devices.

Pure Direct

Pure Direct mode preserves signal clarity and detail by switching off unnecessary signal processing circuitry to provide the cleanest possible signal path with minimized electronic interference.

Smartphone connectivity via MHL

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Plug-in your smartphone using a MHL (Mobile High-Definition Link) certified HDMI® cable and let your favorite personal video clips, music, and more loose on the big screen complete with big sound. MHL also supports the charging of connected devices³.

4K video pass-through

The STR-DH550 allows native 4K video content pass through to 4K capable televisions and projectors⁴.

Standby Audio/Video signal pass-through

Enjoy convenient access to all connected HDMI® devices without having to power on the receiver⁹.

HDMI™ Audio Return Channel support

Eliminate any unnecessary cables. With HDMI® ARC functionality, TV audio can be transmitted back to your receiver through the same HDMI® cable already being used to send audio and video to your TV⁵.

3D Pass-through

Compatible with Blu-ray 3D™ movies, video games and other 3D content⁸.

24p True Cinema™ pass-through

Watch Blu-ray Disc™ movies in their native frame rate (24 frames per second) when paired with a 24p compatible HDTV and playback device like a Blu-ray Disc™ Player or PlayStation® gaming console via HDMI® cable⁹.

HD Digital Cinema Sound™ with front-High speakers

Optimize receiver settings to mimic movie theater sound characteristics. Front Height mode enables vocal height and 3D effects for improved effects positioning and added depth. Imagine as a helicopter descends from above and lands right in front of you – you'll hear the change in height as the effect unfolds on-screen.

Sony® Sound field technology

Experience the emotion of a live performance in your very own home when you embrace legendary Sony® engineering expertise.

Digital Cinema Auto Calibration - Quick Speaker Set Up

Quickly and easily maximize your in-home theater experience via the Digital Cinema Auto Calibration feature. During setup, place the included microphone where you will be seated and wait as the settings are automatically optimized.

BRAVIA® Sync Capable (HDMI® CEC)

Conveniently operate and control select Sony® BRAVIA® Sync devices with one remote including: Sony® Blu-ray Disc™ Players, BRAVIA® HDTVs, Sony home theater products⁷.

Specifications

Amplifier/Receiver		
Audio Features	A/V SYNC	Yes(Fixed)
	A/V Sync Time/Sampling Frequency	60msec
	Advanced Auto Volume	Yes
Amplifier Features	Night Mode	Yes
	OP processing	Yes
Audio Features	Pure Direct	Yes
	Speaker Selector	A / OFF
	Speaker Terminal Type	Screw (NI)
	Sub Woofer Cross Over Frequency	17 points (40-200Hz)
Audio Input	Analog Audio In	4
	Coax.	1
	Optical In	2

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Audio Output	Headphone Out	Yes (Gold)
	Pre Out (Subwoofer)	2
DCAC Features	DCAC	D.C.A.C.
	Mic	Mono
	MHL (Mobile High-definition Link) Front/Rear	-/1
Input/Output Others	USB	1(Front:iPhone/WM)(support format: MP3, AAC, WMA, WAV48k)support iPhone4s spec: (DC 5V, 1.0 A MAX)
Output Power	Center	145W (6ohms, 1kHz, 1ch driven THD 0.9%) / 105W (6ohms, 1kHz, 2ch driven THD 1%) / 90W (6ohms, 20-20kHz, 2ch driven THD 0.09%)
	Front	145W (6ohms, 1kHz, 1ch driven THD 0.9%) / 105W + 105W (6ohms, 1kHz, 2ch driven THD 1%) / 90W + 90W (6ohms, 20-20kHz, 2ch driven THD 0.09%)
	Number of amp. channels	5ch
	Speaker Impedance	6-16ohms
	Surround	145W (6ohms, 1kHz, 1ch driven THD 0.9%) / 105W + 105W (6ohms, 1kHz, 2ch driven THD 1%) / 90W + 90W (6ohms, 20-20kHz, 2ch driven THD 0.09%)
Sound Field	2ch	Yes
	A.F.D. Auto	Yes
	Analog Direct	Yes
	Hall (Large Hall)	Yes
	HD-D.C.S.	Yes
	Headphone 2ch	Yes
	Headphone Direct	Yes
	Jazz Club	Yes
	Live Concert	Yes
	Multi Stereo	Yes
	PLII Movie	Yes
	PLII Music	Yes
	Portable Audio Enhancer	Yes
	Sports	Yes
	Stadium	Yes
Speaker Out	Center	Yes
	Front A	Yes
	Surround	Yes
Tone Control	Front (Bass/Treble)	Yes
Tuner	Auto Tuning	Yes(OSD)
	Direct Tuning	Yes(OSD)
	FM/AM	Yes/Yes
	Preset Channel (FM/AM)	TTL60 (-/-/30/30)
	Station Name	Yes
Video Input	Composite (Front)	2
	HDMI (Front)	4
Video Output	Composite Monitor Out	1
	HDMI	1
General		

Other	Auto Standby	Yes
	GUI	Yes GUI Blending (Yes)
	GUI Language	GB/ FR/ ES/ DE
	Pin Jack	Nickel
	Power Consumption	200W
	Power Consumption (Power Stand By)	0.3W
	Power Requirement	120V 60Hz
	Sleep Timer	Yes (up to 2 hours)
HDMI		
Audio Features	Audio Return Channel	Yes
	S-Select	Yes
Decoding Formats	Dolby Digital EX / Dolby Digital	Yes/Yes
	Dolby Dual Mono	Yes
	Dolby Prologic / II / IIx / IIz	Yes / Yes / - / -
	Dolby TruHD/Dolby Digital Plus	Yes/Yes
	DTS / DTS-ES (Matrix6.1 / Discrete6.1)	Yes/Yes
	DTS 96/24	Yes
	DTS HD MA / DTS HD HR	Yes/Yes
	LPCM 192kHz/24bit	Yes (PCM)
Video Features	LPCM 96kHz/24bit	Yes (PCM)
	3D over HDMI	Yes
	HDMI Video Output capability	4K, 1080p, 1080/24pDeep Color (up to 36 bit) Triluminous Color (xvYCC)
USB Type A		
USB Mass Storage	Interface	2.0
	Music Decoding Formats	MP3, AAC, WMA, WAV48kHz
Weight and Measurements		
Weight and Measurements	Receiver Dimension (WxHxD inches)	430 x 156 x 329.4 (17 in x 6 1/4 in x 13 in)
	Receiver Weight (pound)	16 lb 13 oz (7.6 kg)
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1. Not all USB devices are compatible. Consult www.esupport.sony.com for complete details.

2. Requires HDMI cable sold separately.

3. Cable sold separately

4. 4k upscaling requires a 4K projector or 4K TV

5. Requires HDTV and HDMI cable sold separately

6. Requires HDMI cable and LPCM capable receiver.

7. Syncs with BRAVIA Sync or Theatre Sync products.

8. Requires 3D content, 3D HDTV, 3D glasses and HDMI cable (at least 10.2 Gbps).

9. Requires HDMI cable sold separately.

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