SONY

STR-ZA810ES
7.2 ch. Hi-RES Wi-Fi® Network AV Receiver

Enjoy flexible connectivity, powerful configurability and renowned ES quality in this 7.2 channel 4K AV receiver with Dolby Atmos® and DTS:X object-based surround sound. Add in full 4K HDR compatibility and easy IP integration with leading control systems and you have the total package of installation-friendly features and audio/video performance.

Bullets

- 7.2 Ch. 100W per channel (8ohms, 1KHz, 0.9%, 2CH)
- Supports Dolby Atmos®, and DTS:X® object based surround up to 5.1.2 plus two phantom rear surround channels[9,10]
- 4K HDR compatibility 6-in/2-out HDMI® flexibility with HDCP 2.2 support[3]
- Digital Cinema Auto Calibration EX with speaker relocation technology
- Firmware update via network connection[1]

- Exceptional circuitry and structure yield incredible audio performance
- Three DSPs (digital signal processors) to reduce unwanted electrical noise
- Flexible multi-zone distribution with IR repeater (1-in, 1-out) for external device control
- In-ceiling speaker mode for natural, rich front-channel sound staging
- Experience amazing sound with Hi-Res Audio[7]

Features

7.2 Ch. Of Power

With 100W per channel, the STR-ZA810ES delivers cinema-like surround sound and crystal clear music reproduction (100W @ 8 ohms, 1 kHz, THD 0.9%) For special installations, the amplifier can be configured to support: 2 pairs of speakers either independently (A or B) or simultaneously (A and B), in addition to Bi-Amp fashion.

Supports Dolby Atmos®, and DTS:X® object based surround[9,10]

You'll feel like you're inside the action as the sounds of people, music, and objects move all around you in three-dimensional space.[9,10] Can't fit seven channel surround? Phantom rear surround channels will transform your five channel system into a seven channel system.

4K HDR compatibility

Flexible connectivity with 6 assignable HDMI® inputs and 2 outputs supporting HDR and HDCP 2.2.[3,8] In addition the ZA810ES allows full, native 4K video content pass-through to 4K capable televisions and projectors, and even up-scales high definition movies and TV shows to 4K quality.[3]

Digital Cinema Auto Calibration EX with speaker relocation technology

D.C.A.C. EX with stereo mic is Sony's unique auto calibration technology. This technology balances output to closely simulate sound as would be produced by optimally positioned and angled speakers. The results are nothing short of breathtaking, with the entire sound field seamlessly integrated for outstanding surround sound.

Firmware update via network connection[1]

Perform firmware updates quickly and easily over a network connection[1]

Built for sound

Every detail from the electronic component selection, to special 2nd generation ES solder, structural/chassis elements, and even screw placement has been scrutinized and tuned in the higher interest of reliably consistent sound performance. The STR-ZA810ES offers improved structural stability for better sound via the analogue signal path. This circuit is located on a glass epoxy board, in order to achieve higher speed and power.

Three DSPs to reduce unwanted electrical noise

Dispersing the load between three DSPs allow the realization of clarity and realistic ambience by reducing noise

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Flexible 2nd zone connectivity and control

Easily expand your audio/video experience beyond the living room with flexible 2nd zone connectivity and control. Complete with dedicated 2nd zone HDMI®, IR repeater, and both amplified and line-level audio connectivity, all audio (including network services, BT connected devices and USB) and video sources connected to the STR-ZA810ES can be independently controlled and output from the Main Zone to a second zone (bedroom or den).

In-Ceiling speaker mode

Developed especially for use with in-ceiling speakers and easily configured during setup, In-Ceiling Speaker Mode virtually relocates the Front and Center in-ceiling speaker sound images to better coincide with the screen. Dialog and music will sound as if coming from the screen instead of the ceiling.

Amazing Hi-Res Audio quality

Enjoy the subtlest nuances of studio-quality sound in higher than CD quality with High-Resolution Audio.[7] Passion for music unites every component from signal to speaker so it feels like the artist is performing right in front of you. Supports high bit rate 192k/24-bit WAV/FLAC audio playback, and even native DSD up to 5.6MHz. Additional file formats supported include: MP3, AAC, WMA, WAV 192k, FLAC 192k, ALAC and AIFF Simply connect the compatible device to the receiver and enjoy.

Advanced on-screen graphical user interface

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

Dual-band (2.5/5 GHz)Wi-Fi®[1]

Wirelessly connect to your home network and access music stored on: your computer, network storage device, smartphone, or built-in music services[1,3]. Also cast music, podcasts and radio from 100+ apps with Chromecast built-in[1]

Multi-room listening, plus voice control powered by Google Home[1]

Easily expand and control your music across multiple, compatible speakers in separate rooms with powerful multi-room capability and intuitive SongPal™ Link app functionality.[4] Also enjoy voice control, powered by Google Home[6], that lets you control what music you want-and where-by the sound of your voice.[1]

Control with your iPhone® or Android™ devices with free Apps[3]

Download the free SongPal™ and Network Audio Remote apps from iTunes® or the Google™ Play Store and use your iPhone® or Android™ devices with the SongPal™ app to control receiver functionality including volume and input selection[2,4]

Standby Audio/Video signal pass-through

Enjoy convenient access to all of your HDMI® connected devices without having to power on the receiver[3].

Sony® ES 5-Year Limited Warranty

All ES-Series receivers come with an industry leading 5-year parts and labor warranty, 90-day advanced exchange program, and dedicated toll-free support line staffed by CEDIA-trained product experts. (1-877-619-7669; Monday – Friday 10am – 7pm ET)[5]

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Specifications

Amplifier/Receiver		
Audio Features	A/V SYNC	Yes (Variable)
	A/V Sync Time/Sampling Frequency	0-300msec/192kHz
	Center Speaker Lift Up	Yes
	Digital Legato Linear	Yes
	DSEE HX	Yes (USB/ Home Network/ Bluetooth-RX/ Spotify Connect)
	In-Ceiling Speaker Mode	Yes
	OP processing	Yes
	Pure Direct	Yes
	Sound Optimizer	Yes
	Speaker Selector	A/B/A+B/OFF
	Speaker Terminal Type	Screw (Ni)
	Sub Woofer Cross Over Frequency	17 points (40-200Hz)
Audio Input	Analog Audio In	4
	Coax.	1
Audio Output	Headphone Out	Yes (Gold)
	Pre Out (Subwoofer)	2
DCAC Features	Automatic Phase Matching	Yes
	D.C.A.C. EX / Advanced D.C.A.C. / D.C.A.C.	D.C.A.C. EX
	EQ for D.C.A.C	31band GEQ
	Mic	Calibration Mic: Stereo
	Speaker Relocation	Yes
Input/Output Others	Ethernet	Ethernet Port (Power over Ethernet) : 1 (0)
	NFC	Yes
	USB Front(ver) / Rear(ver)	Yes (2.0)
	Wi-Fi	Yes (2.4GHz/5GHz), (11a/b/g/n)
Output Power	Center	100W(8ohms, 1kHz, 1ch, THD 0.9%)
	Front	100W + 100W (8ohms, 1kHz, 2ch, THD 0.9%)
	Number of amp. channels	7ch
	Speaker Impedance	6ohms-16ohms
	Surround	100W + 100W(8ohms, 1kHz, 2ch, THD 0.9%)
	Surround Back	100W + 100W(8ohms, 1kHz, 2ch, THD 0.9%)
Sound Field	2ch	Yes (2ch Stereo)
	Direct	Yes
	Dolby Surround	Yes
	Front Surround	Yes
	Headphone 2ch	Yes
	Neural:X	Yes

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Speaker Out	Center	Yes
	Front A	Yes
	Front High (L/R)/ Surround Back for Common Use	Yes (Height / Surround Back/ Front B / Bi-AMP (for Common Use))
	Surround	Yes
	Zone2	Yes
Tone Control	Center (Bass/Treble)	Yes
	Front (Bass/Treble)	Yes
	Surround (Bass/Treble)	Yes
	Surround Back (Bass/Treble)	Yes
Tuner	Auto Tuning	Yes
	Direct Tuning	Yes
	FM/AM	Yes (FM only)
	Preset Channel (FM/AM)	TTL30 (30/-)
	Station Name	Yes
Video Input	Composite (Front)	2 (0)
Video Output	Composite Monitor Out	1
	HDCP2.2	HDMI Input supporting (Front): 6(0) HDMI Output supporting: 2 (1:Assignable)

HDMI

Audio Features	Audio Return Channel	Yes
	S-Select	Yes
Decoding Formats	Dolby Atmos	Yes
	Dolby Dual Mono	Yes
	Dolby TruHD/Dolby Digital Plus	Yes/Yes
	DSD	Yes (Up to 2.8MHz 5.1ch)
	DTS:X	Yes
	DTS / DTS-ES (Matrix6.1 / Discrete6.1)	Yes/Yes
	DTS 96/24	Yes
	DTS HD MA / DTS HD HR	Yes/Yes
	LPCM	Yes (Up to 192kHz/24bit 7.1ch)
Others	BRAVIA® SYNC™ (CEC Control)	Yes (One-Touch Play, System Audio Control, System Power Off)
Video Features	3D over HDMI	Yes
	4K 60p 4:4:4 Support	Yes (Except for VIDEO1 input)
	HDR	Yes

Installation

Control Features	CIS IP Control	Yes
	IR Repeat (In/Out)	Yes (1/1)
Features	2nd A	Speaker (Variable) / Line (Variable, Fixed)
	HDMI Zone	Yes
	Multi Zone Line Out Level Control (Zone2/Zone3)	Yes (Yes/-)
	Multi Zone Volume Control (Zone2/Zone3)	Yes (Yes/-)
	RS-232C for control	Yes

Network Features

	AirPlay	Yes
	FLAC	Yes (Up to 192kHz/24bit 5.1ch)
	Google Cast	Yes
	Mobile Application	SongPal / Video & TV sideview
	Music Decoding Formats for Network Client	(MP3).mp3, (AAC/HE-AAC).m4a, .aac, (WMA9 Standard).wma, (LPCM).wav, (FLAC).flac, .fla, (DSF).dsf, (DSDIFF).dff, (AIFF).aiff, .aif, (ALAC).m4a
	Network Player/Renderer	Yes/Yes
	SongPal Link	Yes (SongPal compatible models with iPod/iPhone/iPad (iPhone 6s Plus iPhone 6s iPhone 6 Plus iPhone 6 iPhone 5s iPhone 5c iPhone 5 iPhone 4s iPod touch (5th and 6th generation))
	Spotify Connect	Yes
	Easy Setup Wizard	Yes
Other		
Additional Features	GUI	YES (Only through HDMI)
	GUI Language	English, French, Spanish
Customize Features	Custom Preset (Easy Automation)	Yes
	Input Assign (HDMI/Component/Opt/Coax)	Yes (-/-/Yes/Yes)
	Sleep Timer	Yes (up to 2 hours)
General	Auto Standby	Yes
	Detachable AC	Yes
	Pin Jack	Nickel
	Power Consumption	240W
	Power Consumption(Power Stand By)	0.5W Bluetooth Standby: 2.5W
	Power Requirement	120V 60Hz
	Remote Commander	RMT-AA320U
	System Update (Internet/USB/PC)	Yes (Yes/Yes/-)
Accessories		
Accessories	Supplied Accessories	Calibration microphone FM wire antenna AM loop antenna AC power cord Remote control (RMT-AA320U) R03 (size-AAA) batteries Front cover
USB Type A		
USB Mass Storage	FLAC	Yes (Up to 192kHz/24bit 5.1ch)
	Interface	2.0
	Music Decoding Formats	(MP3).mp3, (AAC/HE-AAC).m4a, .aac, (WMA9 Standard).wma, (LPCM).wav, (FLAC).flac, .fla, (DSF).dsf, (DSDIFF).dff, (AIFF).aiff, .aif, (ALAC).m4a
Walkman Connectivity	Music/Video/Photo	Yes/-/-
Weight and Measurements		
Weight and Measurements	Carton Dimensions (WxHxD mm)	19 x 5/8 x 15 5/8 x 8 inches (496 x 396 x 211 mm)
	Receiver Dimension (WxHxD inches)	17 x 6 1/4 x 13 1/8 inches (430 x 156 x 331 mm)
	Receiver Weight (pound)	20 lbs. 1oz. (9.1 kg) Gross weight: 24lb 5oz (11 kg)

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1. Wireless connectivity requires an 802.11 home network (802.11n recommended). (broadband)
2. Interoperability and compatibility among Bluetooth® devices vary. (BT)
3. Requires HDMI® cable sold separately. (HDMI-24P)
4. Requires download of SongPal app for iPhone from the App Store or for Android from Google Play. User must link compatible devices in order to control operation. Subject to app terms and conditions.
5. For full terms and conditions please visit www.esupport.sony.com
6. Requires download of Google Home app for iPhone from the App Store or for Android from Google Play. User must link compatible devices in order to control operation. Subject to app terms and conditions. Some features may not be available in all countries.
7. Only compatible with High-Resolution Audio when wired.
8. Requires HDMI® cable, HDR media and HDR capable device sold separately.
9. May require HDMI® cable, Dolby Atmos media and Dolby Atmos capable playback device sold separately.
10. May require HDMI® cable, DTS:X media and DTS:X capable playback device sold separately.

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