SONY

STR-ZA5000ES

9.2 Channel 4K AV Receiver

The perfect center to your automated home entertainment universe now with just the right amount of: flexible, multi-zone, high-definition connectivity, easy IP integration with leading control systems, powerful browser-based configurability, and well-renowned ES build quality for an incredible Audio/Video experience that you won't easily forget.

Bullets

- 9.2 Ch. A/V Receiver (130W @ 8 ohms, 1 kHz, THD 0.9%)
- Supports Dolby ATMOS® and DTS:X decoding up to 11.1ch (using 2 extra power amplifiers).
- Optimized chassis and internal circuitry for incredible audio performance
- HDMI® with HDCP 2.2 support (6in/2out)[1]
- Flexible HD connectivity with 8 assignable inputs (6 HDMI, 2 component)[1]
- 8-port Giga Ethernet Hub with PoE (x2) support[2] for flexible connectivity
- Convenient front USB for system updating and setup[3]
- Web browser configurable set-up (programming)
- Optimized especially for custom in-home integration, and system configuration

- Seamless IP Control integration with the leading control systems[4]
- Supports 4K upscaling[5] and pass-through with 3D and full TRILUMINOS™ color support[6]
- In-ceiling mode for natural, rich front-channel sound staging
- Flexible, full-resolution multi-zone distribution capability[4]
- Installer friendly remote commander with preset discrete command codes
- 3, 12-Volt triggers for triggering external peripherals, amplifiers, etc.[4]
- 3, IR repeaters (1-in, 2-out) for external device control[4]
- Advanced Digital Cinema Audio Calibration for quick Set-Up
- Sony® ES 5-Year Limited Warranty[7]

Features

Beautiful nine channel, object based surround

With 130W per channel, the STR-ZA5000ES delivers cinema-like surround sound and crystal clear music reproduction (130W @ 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

You'll feel like you're inside the action as the sounds of people, music, and things move all around you in three-dimensional space.

Built for sound

Every detail from the removable aluminum faceplate, to electronic component selection, 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-ZA5000ES 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.

The STR-ZA5000ES also features high-quality speaker terminals with gold plating.

8 High Definition inputs for system flexibility[14]

SONY

Flexible HD connectivity with 8 assignable inputs (6 HDMI®, 2 component). HDCP 2.2 compliant this ES receiver also supports simple connectivity and full-playback of "4K Premium Content" with maximum visual and multi-channel sound quality.[1]

In addition the ZA5000ES 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.[6]

Optimized for custom in-home integration

Designed with the integrator in mind, Sony ES engineers took the class leading AVR GUI and tailored it for fluid integration into leading control systems using the front panel display or even web browser functionality. We've also redesigned the back panel layout to make wiring in a rack easier. Whether it's including an Install manual with a product manual or discrete IR codes in the remote, we've focused on helping you exceed your customers' expectations.

8-Port Audio grade Giga Ethernet Switch

An 8-Port Ethernet switch with PoE, Power over Ethernet functionality[2] (2 outlets). Ideal for local interfacing to: leading control systems, computers, media boxes, Blu-Ray Disc™ players, and game consoles directly through the receiver.

USB Front Input

Using the front mounted USB, you can easily apply system updates and during setup, save all receiver settings to a flash drive for backing up and porting over to another unit to replicate settings.[3]

Web Browser configurable

View, program and edit receiver settings via your Web Browser, computer, smartphone, or tablet. Enter the following into your web browser*: "http://(receiver's ip-address)/".

*- Most modern web browsers are supported.

Seamless IP Integration

With help from your authorized ES dealer/installer the full power of an ES receiver can be easily integrated into expanded home automation including multi-zone audio, lighting and shades, security, appliances and almost anything else you can imagine.

Control4® Certified and featuring Crestron Connected™, AMX Beacon, Savant, URC and RTI support, The STR-ZA5000ES also features12-volt triggers, RS232 and IR, for added installation flexibility.[4]

'PING' button

Easing the IP integration process is the addition of a 'PING' button on the front of the unit for quick access to unit-specific IP information (IP and MAC address) via the front display and also easy sharing of unit 'discovery' protocols with 3rd party CI controllers.

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.

Flexible zone distribution

Flexible zone distribution capability allows a Z-Series receiver to distribute audio/video sources to the 1st and 2nd zones in varying configurations providing expanded options.

Discretion advised…

Enjoy enhanced system integration, with The supplied remote control, Call up Test Tones and Video signals at the push of a button. Access frequently used Menu settings, or take advantage of discrete IR codes to ensure that remote commands perform as advertised.

Full HDMI® color gamut support

With x.v.Color™ and Deep Color technology capability, you can rest assured that all HDMI® connected video sources will look their best, displaying nearly twice (1.8x) as many viewable colors as the existing RGB color standard. [1]

Only what's necessary…

A powerful catalog of playback CODECs: Digital Cinema Surround, Dolby®, dts® Digital Surround, and Neo:6 Cinema Audio Codec support ensure an optimized listening experience every time..

Advanced Digital Cinema Auto Calibration - Quick Speaker Set Up

A powerful integration tool, Advanced Digital Cinema Auto Calibration with Auto Phase Matching (APM) functionality ensures automatic, optimized audio output settings based on speaker distance and placement (microphone supplied).

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).[7]

Specifications

Amplifier/Receiver		
Audio Features	4 Ohm/8 Ohm Switching	Yes
	A/V SYNC	Yes (Variable)
	A/V Sync Time/Sampling Frequency	0-300msec / 192kHz
	Center Speaker Lift Up	Yes
	Digital Legato Linear	Yes
	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 (Gold)
	Sub Woofer Cross Over Frequency	17 points (40-200Hz)
Audio Input	Analog Audio In	4
	Coax.	1
	Optical In	2
Audio Output	Pre Out (Center)	Yes
	Pre Out (Front (L/R))	Yes
	Pre Out (Front Height (L/R))	Yes
	Pre Out (Subwoofer)	2
	Pre Out (Surround (L/R))	Yes
	Pre Out (Surround Back (L/R)	Yes
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	Stereo
	Speaker Relocation	Yes
Input/Output Others	Ethernet	Ethernet Port (Power over Ethernet) : 8 (2)
	Switching HUB (Giga)	Yes (Yes)
	USB	1

SONY

Output Power	Center	130W (8ohms, 1kHz, THD 0.9%)
	Frequency Characteristics	10Hz-100kHz ±3dB
	Front	130W + 130W (8ohms, 1kHz, THD 0.9%)
	Hight1	130W + 130W (8ohms, 1kHz, THD 0.9%)
	Number of amp. channels	Amp: 9ch Decodable: 11.1ch
	Signal-to-Noise Ratio(A Network)(When all of EQ/Surround off)	105dB (Analog In)
	Speaker Impedance	4-16ohms
	Surround	130W + 130W (8ohms, 1kHz, THD 0.9%)
	Surround Back	130W + 130W (8ohms, 1kHz, THD 0.9%)
Sound Field	2ch	Yes
	A.F.D. Auto	Yes
	Direct	Yes
	Dolby Surround	Yes
	Multi Stereo	Yes
	Neural:X	Yes
Speaker Out	Center	Yes
	Front A	Yes
	Surround	Yes
	Surround Back (L/R) / Front B for Common Use	Yes (Switchable to Height2)
	Zone2	Yes
	Zone3	Yes (Switchable to Surround Back)
Tone Control	Center (Bass/Treble)	Yes
	Front (Bass/Treble)	Yes
	Height1	Yes
	Height2	Yes
	Surround (Bass/Treble)	Yes
	Surround Back (Bass/Treble)	Yes (Common with Surround)
Tuner	Auto Tuning	Yes
	Direct Tuning	Yes
	FM/AM	Yes / Yes
	Preset Channel (FM/AM)	TTL60 (30/30)
	Station Name	Yes
Video Input	Component Video	2 (Assignable)
	Composite (Front)	2 (0)
	HDCP2.2 (Front/Rear)	6 (1)
	HDMI In	6 (front)
Video Output	Composite Monitor Out	2
	HDCP2.2	2
	HDMI	2

General

SONY

Other	Auto Standby	Yes
	Detachable AC	Yes
	Easy Automation	Easy Automation: Yes Easy Setup Wizard: Yes
	GUI	Yes w/GUI Blending
	GUI Language	English, German, Spanish
	Pin Jack	Gold
	Power Consumption	500W
	Power Consumption (Power Stand By)	0.3W
	Power Requirement	120 V 60 Hz
	Sleep Timer	Up to 2 hours

HDMI

Audio Features	Audio Return Channel	Yes
	S-Select	Yes
Decoding Formats	Dolby Atmos	Yes
	Dolby Digital EX / Dolby Digital	Yes / Yes
	Dolby Dual Mono	Yes
	Dolby TruHD/Dolby Digital Plus	Yes / Yes
	DSD	Yes
	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 192kHz/24bit	Yes
	LPCM 96kHz/24bit	Yes
Others	Audio Widget	Yes
	BRAVIA® SYNC™ (CEC Control)	Yes (One-Touch Play, System Audio Control, System Power Off)
	Pass Through	Yes
Video Features	3D over HDMI	Yes
	4K 60p 4:4:4 Support	Yes (Except HDMI IN6)
	HDMI Video Output capability	4K, 1080p, 1080/24p Deep Color (up to 36 bit) Triluminous Color (xvYCC)
	HDR	Yes
	Video Up Converter (Analog to HDMI)	Yes
	Video Up Scaler (4K)	Yes (2K 24p input only)

Installation

Control Features	CIS IP Control	Yes
	IR Repeat (In/Out)	Yes (1 / 2)
	RS-232C for control	Yes
Controller Connectivity	Certification (Crestron/Control4/Savant)	Yes/Yes/Yes

	12V Trigger	3
	2nd A	Speaker (Variable) / Line (Variable, Fixed)
	2nd V	HDMI / Composite
	3rd A	Line (Variable, Fixed)
	Digital Audio D/A distribution to Zone	Yes (Zone2)
Features	HDMI Audio for Zone Down Mix	Yes
	Multi Zone Line Out Level Control (Zone2/Zone3)	Yes (Yes / Yes)
	Multi Zone Volume Control (Zone2/Zone3)	Yes (Yes / -)
	Video Up Scaler & Converter (1080i)/ GUI for Zone2	Yes / Yes
	Setting Lock	Yes
System Setting	Setting Save / Load by USB	Yes
	Setting via Network (Browser/PC)	Yes (Yes / -)

USB Type A

USB Mass Storage	Music Decoding Formats	Wav

Accessories

Accessories	Supplied Accessories	Optimizer microphone FM wire antenna AM loop antenna AC power cord Remote control (RM-AAU217) R03 (size-AAA) batteries Front cover Quick Setup Guide Instruction Manual Help Guide

Weight and Measurements

	Carton Dimensions (WxHxD mm)	532 x 491 x 275 mm 21 x 19 3/8 x 10 7/8 inches
Weight and Measurements	Carton Weight (kg)	20.3 kgs (44 lbs. 13 oz.)
	Receiver Dimension (WxHxD inches)	430 x 174 x 410 mm 17 x 6 7/8 x 16 1/4 inches
	Receiver Weight (pound)	17.1 kgs (37 lbs. 12oz.)

1. Requires HDMI® cable sold separately.

2. This receiver supports PoE Class 3.

3. Not all USB devices are compatible.

4. May require additional accessories. Check with your authorized dealer for details.

5. 4k upscaling requires a 4K projector or 4K TV.

6. Requires capable HDTV, capable video source, and HDMI® cable sold sep.

7. For full terms and conditions please visit www.esupport.sony.com.