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STRAZ5000ES
Premium ES 11.2 CH 8K A/V Receiver

Elevate your home theater standards with Sony's first 11.2 CH 8K A/V Receiver featuring renowned ES quality.[1] Designed for integrators with optimized configurability, flexible connectivity, and advanced IP control for leading control systems. The STR-AZ5000ES is the total package for audio/visual performance and installation friendly features.

Bullets

- 11.2 CH A/V Receiver[2] (130W + 130W 8ohms, 1kHz, 2ch, THD 0.9%)
- 8K & 4K/120 HDMI Connectivity with HDMI 2.1 support (7-in/2-out) [1,3]
- Supports Dolby Atmos® & DTS:X® object-based sound decoding
- Truly Immersive audio with Digital Cinema Auto Calibration IX and 360 Spatial Sound Mapping [13]
- Support for the most common HDR formats Dolby Vision, HDR10, Hybrid Log Gamma, IMAX Enhanced[9]
- "Works With SONOS" makes it possible to integrate the STR-AZ5000ES with your new or already existing SONOS system[5, 6]
- Stream your way with Bluetooth®, Wi-Fi, Chromecast built-in, Spotify Connect, and Apple AirPlay®[6,7,11]
- Connects to your home's other devices with Google Assistant [8]
- Optimized for custom in-home integration, and system configuration - Seamless IP Control integration with the leading control systems[9]
- Flexible setup options with built-in graphical user interface or front panel display
- Zone 2 & Zone 3 for Flexible, multi-zone distribution capability
- Premium componentry meets ES standards for audio performance
- Center channel enhancements include Center Speaker Lift Up, Acoustic Center Sync, and Dual Center Speaker[12]
- Control with Sony Music Center app [6]
- Compatible with Sony's SA-RS3S & SA-RS5 wireless rear speakers and SA-SW3 & SA-SW5 wireless subwoofers
- Three 12-volt triggers for external peripherals, amplifiers, and more
- Three IR repeaters (1-in, 2-out) for external device control
- Covered by our Sony® ES 5-Year Limited Warranty [10]

Features

Elevated sound quality and powerful amplification that meets ES standards

With 130 watts, the STR-AZ5000ES delivers cinema-like surround sound and crystal-clear music reproduction with powerful amplification.[2]

8K & 4K/120 HDMI Connectivity

Enjoy the latest HDMI technology with support for 8K & 4K/120 video sources. [1,4] Equipped with four 8K HDMI inputs and two outputs, the STR-AZ5000ES is capable of delivering the most stunning picture quality and amazing clarity.[3]

Support for the most advanced object-based audio formats

With support for Dolby Atmos®, Dolby Speaker Virtualization, DTS:X®, and DTS Virtual: X, the STR-AZ5000ES delivers a truly elevated object-based surround-sound experience.

360 Spatial Sound Mapping

Experience true immersion. Sony's exclusive 360 Spatial Sound Mapping technology reproduces a physical sound field that can adapt to your environment and create an experience that feels like a large movie theatre or concert hall.[13]

Digital Cinema Auto Calibration IX

A new technology developed by Sony, Digital Cinema Auto Calibration IX precisely corrects the distance, angle, sound pressure, and frequency response of each speaker that's connected to the STR-AZ5000ES to create the ideal sound field for any home theater setup.

Supports Dolby Vision, HDR10, and Hybrid Log Gamma, and IMAX Enhanced

Enjoy dynamic, realistic picture quality with support for exciting HDR formats like Dolby Vision, HDR10, Hybrid Log Gamma, and IMAX Enhanced.[6, 8, 9]

"Works with SONOS"

From the SONOS app you will be able to turn on your A/V Receiver, switch to the designated input source for playback, and control the volume of your A/V Receiver.[5, 6]

Easy Listening

Listen to all your favorite tracks. The STR-AZ5000ES supports audio streaming via Bluetooth ®,[11] Wi-Fi, Chromecast built-in,[7] Spotify Connect, and Apple AirPlay®.[6]

Voice Assistant Compatibility

Connect to your home's other devices, and use voice control to operate your receiver with Google Assistant.[8]

Roon Tested

Enjoy seamless integration with your Roon system for full access to all your music—including your digital files and streaming services—all in one place.[6]

Compatible with Sony Music Center app[13]

Control the STR-AZ5000ES from your mobile device for operations like source selection, zone control, sound field control, volume control, media playback, and voice assistant setup.[6]

Center Speaker Lift Up, Acoustic Center Sync, and Dual Center Speaker

Enhance your sound multiple ways: Center Speaker Lift Up raises the sound from the center speaker to match what's on the TV, Acoustic Center Sync matches the audio to your compatible BRAVIA TV, and Dual Center Speaker works with a second speaker to more accurately replicate sound for large-screen viewing.[12]

Support for integration with leading home control systems

With support for the leading control and remote monitoring systems like Control4, Savant, Crestron, and OvrC, the STR-AZ5000ES is built for integration.[6]

Flexible setup options

Installing the STR-AZ5000ES is easy. Setup can be performed either via the front panel, a web browser accessed on an external device, or through the onscreen Graphical User Interface (GUI).

11.2 Channel Pre Outputs

Equipped with full 11.2 CH pre-outputs for extended connectivity flexibility.

USB Front Input with settings save option

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.

Three 12-volt triggers

Equipped with three 12-volt triggers for external peripherals, amplifiers, and more.

Three IR Repeaters

Three, IR repeaters (1-in, 2-out) for external device control.

Ping Button

Ping button for easy IP recall on front panel of receiver.

RS232C Port

RS232C port for control system configuration.

Zone 2 & Zone 3

Flexible multi-zone distribution capability.

Go Wireless

Sony's SA-RS3S & SA-RS5 wireless rear speakers and SA-SW3 & SA-SW5 wireless subwoofers (Sold sep.) are compatible with the STR-AZ5000ES. Two subwoofers of the same model may be connected simultaneously to the receiver.

DSEE Ultimate

Using AI-based technology, DSEE Ultimate accurately upscales audio to near-high-resolution sound quality.

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HDMI 2.1

While enabling higher quality video output and reduced latency from input devices like game consoles, HDMI 2.1 also provides support for Auto Low Latency Mode (ALLM), Variable Refresh Rate (VRR).[3,4]

7 HDMI Inputs/2 Outputs

The STR-AZ5000ES has seven HDMI inputs with four inputs supporting full 8K & 4K/120 Hz video sources, and two HDMI outputs that also support full 8K & 4K/120 video sources.[1,3,4]

Newly Designed Frame Beam Base Chassis

The chassis of the ES model has been fundamentally revised: the overall thickness has been increased for improved rigidity, and the structures of the transformer base and other weight-bearing parts have also been redesigned to improve the instantaneous power and crispness of the sound, when compared to a conventional chassis.

Newly Designed Foot

Designed with an offset screw position to both eliminate the resonance point and avoid frequency-specific, vibration-inducing resonance transmission to and from the transformer, the new foot also contains additional ribs for increased rigidity and improved resonance control.

Refreshed Digital Circuit Board

Metal ES-grade frames both secure the circuit board and protect it from vibration caused by speaker sound pressure.

Redeveloped digital section

The new digital section enables all signal processing to be performed on a single chip while also providing lower impedance, increased capacitance, and better stability.

New DAC enables 32-bit operations

Digital PCM signal input is processed at 32-bit and converted to analog by the DAC, while DSD signal input during direct mode is natively input to the DAC and converted to an analog signal.

Improved analog power for DAC

The DAC analog power supply uses a low-noise power supply IC to ensure that hi-fidelity performance is achieved.

Buffer amp for DAC

A new DAC analog output filter circuit was designed utilizing a JFET input op-amp yielding a 20db improvement in noise floor. The phase rotation was shifted to a higher frequency, expanding the bandwidth and improving sound clarity for wide-bandwidth sources like high-resolution audio.

Sony exclusive integrated circuit

A Sony-exclusive integrated circuit was developed to improve all amplification function on the STR-AZ5000ES.

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Lead free ES solder

Applying years of sound engineering and testing experience, Sony has developed an ES-grade solder. A high-purity tin base combines with small amounts of specially chosen metal elements for a unique alloy mix that enables a quality signal and exceptional sound.

Hi-Res Audio & 360 Reality Audio

Enjoy music the way the artists truly intended with High-Resolution Audio for crystal clear precision or discover a new way of listening with 360 Reality Audio for a truly immersive live concert or studio session experience.[6] With the STR-AZ5000ES, your music comes to life like never before.

Covered by Sony® ES 5-Year Limited Warranty

All ES-Series receivers come with a 5-year parts and labor warranty, and dedicated toll-free support staffed by trained product experts. (1-877-619-7669); Monday–Friday 10 a.m.–7 p.m. ET. [10]

Specification

Interface	
HDMI supporting HDCP2.2 In/Out	HDMI Input supporting HDCP2.2(Front): 6(0), HDMI Output supporting HDCP2.2: 2
Input and Output Terminals	Composite Monitor Out: 2, Opt: 2, Coax.: 1, Analog Audio In: 4, Pre Out (Subwoofer): 2, USB Front(ver) / Rear(ver): 1/0, Ethernet Port (Power over Ethernet): 1(0)
Speaker Output Terminals	Front A, Center, Surround
Network Connectivity	
Network Features	Bluetooth Receiver, Bluetooth Transmitter, Wi-Fi
Spotify Connect	Yes
Amplifier	
Number of Amp. Channels	11ch
Power Output	Front: 130W + 130W (8ohms, 1kHz, THD 0.9%)
Speaker Impedance	4ohms-16ohms

Sound Field	2ch Stereo, Direct, Auto Format Decoding, Multi Stereo, Audio Enhancer

Audio Features

Sound Enhancement Technologies	Pure Direct, DSD Native Playback, Center Speaker Lift Up, In-Ceiling Speaker Mode

Video Features

A/V SYNC	Yes(Variable)
4K Output	HDMI Video Output Capability: 8K, 4K, 1080p, 1080/24p, Deep Color (up to 36 bit), Triluminous Color (xvYCC)
4K 60p 4:4:4 Support	Yes
3D over HDMI	Yes
HDR (High Dynamic Range)	Yes(HDR10, Hybrid Log Gamma, Dolby Vision)
Audio Return Channel	Yes
BRAVIA® SYNC™ (CEC Control)	Yes (System Audio Control, System Power Off, RC Pass Through, Language Follow, One-Touch Play)
HDMITM Pass Through	Standby Through: Yes

Auto Speaker Calibration

Calibration Features	D.C.A.C. IX / D.C.A.C. EX / Advanced D.C.A.C. / D.C.A.C.: D.C.A.C. IX, Speaker Relocation: Yes, Phantom Surround Back: Yes, Automatic Phase Matching: Yes, Calibration Mic: Stereo

Tuner Features

FM/AM	Yes/-
Preset Channel (Sirius/XM/FM/AM)	TTL30 (30/0)

Decoding Format for HDMI

Decoding Format for HDMI	DSD: Yes (Up to 2.8MHz 5.1ch), LPCM: Yes (Up to 192kHz/24 bit 7.1ch), DTS HD MA / DTS HD HR: Yes/Yes, Dolby TrueHD/Dolby Digital Plus: Yes/Yes, DTS / DTS-ES (Matrix6.1 / Discrete6.1): Yes/Yes, DTS 96/24: Yes, DTS:X: Yes, Dolby Dual Mono: Yes, Dolby Atmos: Yes

Decoding Format for USB/Network Client

Hi-Res Format	DSDIFF(DSD), DSF, WAV(LPCM), AIFF(LPCM), FLAC, ALAC

Custom Install & Control Features

Zone2 Audio	2nd A: Speaker(Variable) / Line (Variable, Fixed) / HDMI(Fixed)
IR Repeat (In/Out)	Yes(1/2)

General Features

GUI (Graphical User Interface)	Yes
Power Requirement	120V 60Hz
Power Consumption	500W
Auto Standby	Yes
Attachment	Calibration microphone, Calibration mic stand, FM wire antenna, AC power cord, Remote control, R03 (size-AAA) batteries, Front cover

Size & Weight

Dimensions (W x H x D)	430x194x440mm
Weight	19.2kg

1. 8K: 7,680 x 4,320 pixels. Requires HDR compatible content from supported streaming services or HDR compatible content device connected via HDMI input (sold sep).
2. 130 watts measurements at (130W + 130W 8ohms, 1kHz, 2ch, THD 0.9%)
3. Requires HDMI® cable sold sep.
4. 4K: 3,840 x 2,160 pixels. Game title supporting 4K/120fps and/or VRR required.
5. Sonos app required. Device must be connected to a power source, plugged into a SONOS® port, have the same Wi-Fi or hardline connection.

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6. 3rd party apps, network services, content, the operating system and software of this Product may be subject to individual terms and conditions and changed, interrupted or discontinued at any time and may require fees, registration and credit card information. Requires product to be connected to the wireless network. 360 Reality Audio requires subscription to compatible online music service and third party terms, conditions, account and fees may apply.
7. Chromecast built-in compatibility dependent on app.
8. User must connect to a Google account to use, including voice to activate linked apps.
9. May require additional accessories. Check with your authorized dealer for details.
10. For full terms and conditions please visit https://www.sony.com/electronics/support
11. Interoperability and compatibility among Bluetooth® devices vary.
12. BRAVIA Acoustic Center Sync mode works with the following models: Z9J series, A90J series, A80J series, X95J series. Product availability varies by country. Integrated UI works with the following models: Z9J series, A90J series, A80J series, X95J series, X90J series, X85J series, X80J series, A80K series, X90K series, Z9K series, A95K series, A90K series and X95K series.
13. To use 360 Spatial Sound Mapping, it is necessary to run the auto calibration on the receiver using the supplied calibration microphone that comes with the receiver. 360 Spatial Sound Mapping can work with passive speakers and compatible wireless rear speakers (SA-RS3S & SA-RS5) but they must be connected to the receiver for the calibration.