

SONY

STR-ZA3100ES

7.2 Channel 4K 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. A/V Receiver (110W @ 8ohms, 1KHz, 0.9%, 2CH)
- Supports Dolby ATMOS® and DTS-X® decoding up to 9.1ch (using 2 extra power amplifiers) plus two phantom rear surround channels.^{8,9}
- 4K HDR compatibility (excluding front HDMI input) 6-in/2-out1 HDMI® flexibility with HDCP 2.2 support
- Optimized especially for custom in-home integration, and system configuration - Seamless IP Control integration with the leading control systems
- Music connect allows integrators to combine the power of an ES-grade multichannel sound system with the flexibility of today's wireless multi-zone music systems.^{3,10,11}
- 8-port Giga-bit Ethernet switch with PoE (x2) support² for flexible connectivity
- Web browser configurable set-up (programming)
- Remote monitoring through Ihiji⁷
- Digital Cinema Auto Calibration EX with speaker relocation technology
- Firmware updates via network connection

Features

Premium audio quality

With 110W per channel, the STR-ZA3100ES delivers cinema-like surround sound and crystal clear music reproduction (110W @ 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 objects move all around you in three-dimensional space.^{8,9} Can't fit seven channel surround in your room? Phantom surround back channels will transform your five channel system into a seven channel system.

4K HDR, 6 HDMI inputs for system flexibility¹

Flexible connectivity with 6 assignable HDMI® inputs and 2 outputs (5 supporting HDR and HDCP 2.2).¹ In addition the ZA3100ES allows native 4K video content pass-through to 4K capable televisions and projectors, and even up-scales high definition movies and TV shows to near 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.

Music Connect

Sony's unique Music Connect feature allows Z-series AV receivers to slave to the HAP-Z1ES Hi Res Audio player^{3,10} and other networked music players.^{3,11} This allows integrators to combine the power of an ES-grade multichannel sound system with the flexibility of today's wireless multi-zone music systems.

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8-Port Audio grade Giga-bit Ethernet Switch

An 8-Port Ethernet switch with PoE, Power over Ethernet functionality² (2 outlets), Ideal for local interfacing to: leading control systems, computers, media boxes, Blu-ray Disc™ players, and game consoles directly through the receiver.

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.

Remote Monitoring through Ihiji

The STR-ZA3100ES allows cloud-based monitoring of power status, temperature and product protect status through Ihiji⁷, allowing integrators to remotely monitor the health of the product.

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 updates via network connection

Perform firmware updates quickly and easily over a network connection

Built for sound

Every detail from the removable 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-ZA3100ES 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

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.^{3,4}

Seamless Integration

With help from your authorized ES dealer/installer the full power of an ES receiver can easily be integrated into expanded home automation systems with all major third-party control partners, simplified IP access via the front panel 'Ping' button, A/V zone distribution and simplified setup including built-in test patterns and access to easily used setup features.

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.

Sony® ES 5-Year Limited Warranty⁷

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	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 (Ni)
	Sub Woofer Cross Over Frequency	17 points (40-200Hz)
Audio Input	Analog Audio In	4
	Coax.	1
Audio Output	Pre Out (Center)	Yes
	Pre Out (Front (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	Calibration Mic: Stereo
	Speaker Relocation	Yes
Input/Output Others	Ethernet	Ethernet Port (Power over Ethernet) : 8 (2)
	Switching HUB (Giga)	Yes (Yes)
	USB Front(ver) / Rear(ver)	Yes (for update & setting)
Output Power	Center	110W (8ohms, 1kHz, 1ch, THD 0.9%)
	Frequency Characteristics	10Hz-100kHz \pm 3dB
	Front	110W + 110W (8ohms, 1kHz, 2ch, THD 0.9%)
	Number of amp. channels	7ch
	Signal-to-Noise Ratio(A Network) (When all of EQ/Surround off)	105dB(Analog In)
	Speaker Impedance	6ohms-16ohms
	Surround	110W + 110W (8ohms, 1kHz, 2ch, THD 0.9%)
	Surround Back	110W + 110W (8ohms, 1kHz, 2ch, THD 0.9%)
Sound Field	2ch	Yes (2ch Stereo)
	Direct	Yes
	Dolby Surround	Yes
	Multi Stereo	Yes
	Neural:X	Yes
Speaker Out	Center	Yes
	Front A	Yes
	Surround	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/Yes
	Preset Channel (FM/AM)	TTL60 (30/30)
	Station Name	Yes
Video Input	Component Video	2 (Assignable)
	Composite (Front)	2 (0)
Video Output	Composite Monitor Out	1
	HDCP2.2	HDMI Input supporting (Front): 6(1) 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 Front HDMI input)
	HDR	Yes
Installation		
Control Features	CIS IP Control	Yes
	IR Repeat (In/Out)	Yes (1/2)
Features	12V Trigger	3
	2nd A	Speaker (Variable) / Line (Variable, Fixed)
	2nd V	HDMI/Composite
	3rd A	Line (Variable, Fixed)
	Multi Zone Line Out Level Control (Zone2/Zone3)	Yes (Yes/Yes)
	Multi Zone Volume Control (Zone2/Zone3)	Yes (Yes/-)
	RS-232C for control	Yes
	Video Up Scaler & Converter (1080i)/GUI for Zone2	Yes
Other		

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Additional Features	Easy Setup Wizard	Yes
	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/Yes/Yes)
	Sleep Timer	Yes (up to 2 hours)
General	Auto Standby	Yes
	Detachable AC	Yes
	Pin Jack	Nickel
	Power Consumption	290W
	Power Consumption(Power Stand By)	0.3W
	Power Requirement	120V 60Hz
	Remote Commander	RM-AAU217
	System Update (Internet/USB/PC)	Yes (Yes/Yes/-)
Help Guide	English(US) or English(GB)	Yes
	French or French(CA)	Yes
	Spanish or Spanish(LA)	Yes
Instruction Manual	English(US) or English(GB)	Yes
	French or French(CA)	Yes
	Spanish or Spanish(LA)	Yes
Quick Setup Guide	English(US) or English(GB)	Yes
	French or French(CA)	Yes
	Spanish or Spanish(LA)	Yes
Accessories		
Accessories	Supplied Accessories	Calibration microphone FM wire antenna AM loop antenna AC power cord Remote control (RM-AAU217) R03 (size-AAA) batteries Front cover
Weight and Measurements		
Weight and Measurements	Carton Dimensions (WxHxD mm)	21 x 10 7/8 x 19 3/8 inches (532 x 275 x 491 mm)
	Receiver Dimension (WxHxD inches)	17 x 6 7/8 x 16 1/4 inches (430 x 174 x 410 mm)
	Receiver Weight (pound)	28 lbs. 15oz. (13.1 kg) Gross weight: 35lb 5oz (16 kg)

1. Requires HDMI® cable sold separately.
2. This receiver supports PoE Class 3.
3. May require additional accessories. Check with your authorized dealer for details.
4. Not all USB devices are compatible.
5. Requires capable 4K UHD TV, capable video source, and HDMI® cable sold sep.
6. For full terms and conditions please visit www.esupport.sony.com.
7. Ihiji account required. Contact Ihiji directly for information.
8. May require HDMI® cable, Dolby Atmos media and Dolby Atmos capable playback device sold separately.
9. May require HDMI® cable, DTS:X media and DTS:X capable playback device sold separately.
10. Requires download of HDD Audio Remote 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.
11. May require download of a third-party 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.

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