

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 support³
- Digital Cinema Auto Calibration EX with speaker relocation technology
- Firmware update via network connection¹
- 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 Audio⁷

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 connection¹

Perform firmware updates quickly and easily over a network connection¹

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-in¹

Multi-room listening, plus voice control powered by Google Home¹

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 Home⁶, 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 Apps³

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 receiver³.

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

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

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		

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	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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SONY

STR-ZA1100ES

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 (100W @ 8ohms, 1KHz, 0.9%, 2CH)
- Supports Dolby ATMOS® and DTS:X® decoding plus two phantom rear surround channels.^{7,8}
- 4K HDR compatibility 5-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 systems³
- 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.^{3,9,10}
- Web browser configurable set-up (programming)
- Remote monitoring through Iijij²
- Digital Cinema Audio Calibration EX with speaker relocation technology
- Firmware updates via network connection
- Optimized chassis and internal circuitry for incredible audio performance

Features

Premium audio quality

With 100W per channel, the STR-ZA1100ES 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

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.^{7,8} 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, 5 HDMI inputs for system flexibility¹

Flexible connectivity with 5 assignable HDMI® inputs and 2 outputs supporting HDR and HDCP 2.2.¹ In addition the ZA1100ES 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.

Music Connect

Sony's unique Music Connect feature allows Z-series AV receivers to slave to the HAP-Z1ES Hi Res Audio player^{3,9} and other networked music players.^{3,10} 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.

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.

SONY

Remote Monitoring through Ihiji

The STR-ZA1100ES allows cloud-based monitoring of power status, temperature and product Protect status through Ihiji², 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 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-ZA1100ES 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 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) ⁶

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)

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Audio Input	Analog Audio In	4
	Coax.	1
Audio Output	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)
	USB Front(ver) / Rear(ver)	Yes (for update & setting)
Output Power	Center	100W (8ohms, 1kHz, 1ch, THD 0.9%)
	Frequency Characteristics	10Hz-100kHz \pm 3dB
	Front	100W + 100W (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	100W + 100W (8ohms, 1kHz, 2ch, THD 0.9%)
Sound Field	Surround Back	100W + 100W (8ohms, 1kHz, 2ch, THD 0.9%)
	2ch	Yes (2ch Stereo)
	Direct	Yes
	Dolby Surround	Yes
	Multi Stereo	Yes
Speaker Out	Neural:X	Yes
	Center	Yes
	Front A	Yes
Tone Control	Surround	Yes
	Center (Bass/Treble)	Yes
	Front (Bass/Treble)	Yes
	Surround (Bass/Treble)	Yes
Tuner	Surround Back (Bass/Treble)	Yes
	Auto Tuning	Yes
	Direct Tuning	Yes
	FM/AM	Yes/Yes
	Preset Channel (FM/AM)	TTL60 (30/30)
Video Input	Station Name	Yes
	Component Video	2 (Assignable)
Video Output	Composite (Front)	2 (0)
	Composite Monitor Out	1
HDMI		HDCP2.2
Audio Features	HDMI Input supporting	: 5
	HDMI Output supporting	: 2 (1:Assignable)
Audio Features	Audio Return Channel	Yes
	S-Select	Yes

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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
	HDR	Yes
Installation		
Control Features	CIS IP Control	Yes
	IR Repeat (In/Out)	Yes (1/2)
Features	12V Trigger	1
	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		
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/-)	

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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)	27 lbs. 13oz. (12.6 kg) Gross weight: 35lb 5oz (16 kg)

1. Requires HDMI® cable sold separately.
2. Ihiji account required. Contact Ihiji directly for information.
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. May require HDMI® cable, Dolby Atmos media and Dolby Atmos capable playback device sold separately.
8. May require HDMI® cable, DTS:X media and DTS:X capable playback device sold separately.
9. 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.
10. 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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- Supports Dolby ATMOS® and DTS:X® decoding up to 9.1ch (using 2 extra power amplifiers) plus two phantom rear surround channels.^{7,8}
- 4K HDR compatibility 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 systems³
- 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.^{3,9,10}
- Web browser configurable set-up (programming)
- Remote monitoring through Ihiji²
- Digital Cinema Audio Calibration EX with speaker relocation technology
- Firmware updates via network connection
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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://\(receiver's ip-address\)/](http://(receiver's ip-address)/).

*Most modern web browsers are supported.

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Remote Monitoring through Ihiji²

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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-ZA2100ES 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 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)⁶

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)

SONY

Audio Input	Analog Audio In	4
	Coax.	1
Audio Output	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)
	USB Front(ver) / Rear(ver)	Yes (for update & setting)
	Wi-Fi	Yes (for update & setting)
Output Power	Center	105W (8ohms, 1kHz, 1ch, THD 0.9%)
	Frequency Characteristics	10Hz-100kHz \pm 3dB
	Front	105W + 105W (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	105W + 105W (8ohms, 1kHz, 2ch, THD 0.9%)
Sound Field	Surround Back	105W + 105W (8ohms, 1kHz, 2ch, THD 0.9%)
	2ch	Yes (2ch Stereo)
	Direct	Yes
	Dolby Surround	Yes
	Multi Stereo	Yes
Speaker Out	Neural:X	Yes
	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	Component Monitor Out	0
	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

SONY

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	1
	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		
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/-)	

SONY

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)	27 lbs. 13oz. (12.6 kg) Gross weight: 35lb 5oz (16 kg)

1. Requires HDMI® cable sold separately.

2. Ihiji account required. Contact Ihiji directly for information.

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. May require HDMI® cable, Dolby Atmos media and Dolby Atmos capable playback device sold separately.

8. May require HDMI® cable, DTS:X media and DTS:X capable playback device sold separately.

9. 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.

10. 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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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.

SONY

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		

SONY

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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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) support² for flexible connectivity
- Convenient front USB for system updating and setup³
- Web browser configurable set-up (programming)
- Optimized especially for custom in-home integration, and system configuration
- Seamless IP Control integration with the leading control systems⁴
- Supports 4K upscaling⁵ and pass-through with 3D and full TRILUMINOS™ color support⁶
- In-ceiling mode for natural, rich front-channel sound staging
- Flexible, full-resolution multi-zone distribution capability⁴
- 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 control⁴
- Advanced Digital Cinema Audio Calibration for quick Set-Up
- Sony® ES 5-Year Limited Warranty⁷
- Optimized especially for custom in home integration, and system configuration

Features

Beautiful nine-channel object based surround sound

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 flexibility¹⁴

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 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.

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 features 12-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

Remote Monitoring through Ihiji

The STR-ZA5000ES allows cloud-based monitoring of power status, temperature and product Protect status through Ihiji, allowing integrators to remotely monitor the health of the product.

Amplifier/Receiver

AMPLIFIER FEATURES

Number of Amp channels	9 channels
Decodable Channel number	11.1 channels
Sound Optimizer	Yes
Speaker Impedance	4-16 Ohms
Speaker Selector	A/B, A+B, Off
Speaker Terminal	Screw (Gold Plated)
Bi-AMP	Yes
Digital Legato Linear	Yes

AMPLIFIER POWER

8 Ohms, 1kHz, 2ch driven	130W + 130W, THD .09%
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DCAC FEATURES

Automatic Phase Matching	Yes
DCAC	Advanced D.C.A.C EX
Mic	Stereo

NETWORK FILTERS

Update NETWORK/USB	Yes / Yes
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HDMI

IN / OUT	6 / 2
HDCP 2.2 Repeater	6 / 2 (4K 60p 4:4:4)

VIDEO

INPUTS COMPOSITE / COMPONENT	2 / 2 (Assignable)
OUTPUTS COMPOSITE / COMPONENT	2 / -

AUDIO

INPUTS ANALOG/OPTICAL/COAXIAL	4 / 2 / 1
AUDIO PRE-OUTS	11.2 channels

Audio Features

DECODING FORMAT

192kHz / 24bit	LPCM, Yes
96kHz / 24bit	LPCM, 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
Dolby Atmos	Yes
Dolby Digital EX / Dolby Digital	Yes / Yes
Dolby Prologic / II / IIx / IIz	Yes / Yes / Yes / -
Dolby TruHD / Dolby Digital +	Yes / Yes

SOUND FIELD

2ch Stereo	Yes
DIRECT	Yes
A.F.D.	Yes
Dolby Surround	Yes
Neural:X	Yes
Multi Stereo	Yes

TUNER

Auto Tuning	Yes
Direct Tuning	Yes
Preset Channel (FM/AM)	60 Total (30 FM, 30 AM)
Station Name	Yes

General

INSTALLATION

12V Trigger	3
2nd A	HDMI / Composite
3rd A	Speaker (Variable) / Line (Variable, Fixed)
IP Control	Yes
IR Repeat (In/Out)	Yes (1-in, 2-out)
RS-232C for Control	Yes

OTHER

Assignable Component Video In	Yes
Auto Standby	Yes
Detachable AC	Yes
Digital Input Assign	Yes, Optical and Coaxial
Easy Automation	Yes with Custom Preset
GUI	Yes with Easy Setup Wizard
GUI Blending Output (from Composite / Component / HDMI) (2)	Yes
GUI Language	English, French, Spanish
Pin Jack	Gold Plated
Power Consumption	290 W
Power Requirement	120 V, 60 Hz
Sleep Timer	Yes (up to 2 hours)
Update Capability	Yes (USB / Network)

Inputs and Outputs

AUDIO INPUTS

Analog Audio In	4
Coaxial	1
Optical In	2

AUDIO OUTPUTS

Pre Out (Center)	Yes (Gold Plated)
Pre Out (Front (L/R))	Yes (Gold Plated)
Pre Out (Subwoofer)	Yes (Gold Plated)
Pre Out (Surround (L/R))	Yes (Gold Plated)
Pre Out (Surround Back (L/R))	Yes (Gold Plated)

OTHER INPUTS AND OUTPUTS

Ethernet (Switching HUB)	8-port Giga Ethernet Hub (with PoE support (2))
USB	1 (front, for setting Save / Load)

SPEAKER OUTPUTS

Center (Bass/Treble)	Yes
Center Speaker Lift Up	Yes
Front (Bass/Treble)	Yes
Front High (Bass/Treble)	Yes
Surround (Bass/Treble)	Yes
Surround Back (Bass/Treble)	Yes

VIDEO INPUTS

Component Video In	2 (assignable)
HDMI In	6 (1 front) (2 with HDCP 2.2 support)

VIDEO OUTPUTS

Component Video Out	1
Composite Video Out	Inc. Monitor Out: 2
HDMI Out	2 (with HDCP 2.2 support)

Video Features

A/V SYNC FEATURES

A/V SYNC	Yes (Variable)
A/V Sync Sampling Frequency	192 kHz
A/V Sync Time (msec)	0 – 300 msec

HDMI

3D over HDMI	Yes
Audio Return Channel	Yes
BRAVIA® SYNC™ (CEC Control)	Yes (One Touch Play, System Audio Control, System Power Off)
DSD	Yes (HDMI)
HDMI™ video output capability	4K, 1080p, 1080/24p Deep Color (up to 36 bit), TRILUMINOS™ Color (xvYCC)
Power Off Pass Through	Yes
S-Select	Yes

Video Up Converter (Analog Component / HDMI)	Yes (Analog to HDMI)
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Video Up Scaler (Analog; Component /HDMI)	Yes (4K)
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Weight and Measurements

WEIGHT AND MEASUREMENTS

Receiver Dimension (W x H x D inches)	16.9 x 6.9 x 16.1 inches
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Receiver Weight (pound)	37 pounds 12 ounces
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IN THE BOX

Calibration Stereo Microphones (1)

FM Antenna (1)

AM Antenna (1)

AC Power Cord (1)

Remote Commander (1)

R03 (size-AAA) batteries (1 pair)

Front Cover (1)

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.

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