

SONY

STR-ZA2100ES

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 (105W @ 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.^{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
- Optimized chassis and internal circuitry for incredible audio performance

Features

Premium audio quality

With 105W per channel, the STR-ZA2100ES delivers cinema-like surround sound and crystal clear music reproduction (105W @ 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^{7,8}

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, 6 HDMI inputs for system flexibility¹

Flexible connectivity with 6 assignable HDMI® inputs and 2 outputs supporting HDR and HDCP 2.2.¹ In addition the ZA2100ES 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://\(receiver's ip-address\)/](http://(receiver's ip-address)/).

*Most modern web browsers are supported.

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Remote Monitoring through Ihiji²

The STR-ZA2100ES allows cloud-based monitoring of power status, temperature and product Protect status through Ihiji, allowing integrators to remotely monitor the health of the product.²

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-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) |

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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) |
| | 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 |

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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 (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/-) | |



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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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