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## Sony STRDN1070

# Sony STRDN1070 7.2 Channel Hi-Res 4K AV Receiver Instruction Manual

Model: STRDN1070

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## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Sony STRDN1070 7.2 Channel Hi-Res Wi-Fi Network 4K AV Receiver. This receiver is designed to enhance your home entertainment experience with high-resolution audio, 4K HDR compatibility, and versatile connectivity options.



Figure 1: Front view of the Sony STRDN1070 AV Receiver, showcasing its sleek design and Hi-Res Audio logo.

## Included Accessories:

- Remote control
- Batteries for remote (2 AAA)
- FM wire antenna
- Quick start guide
- Reference guide
- Warranty card

## 2. SETUP

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### 2.1 Placement

Place the receiver on a stable, level surface with adequate ventilation. Ensure there is sufficient space around the unit for heat dissipation. Avoid placing it near heat sources or in direct sunlight. The product dimensions are approximately 19.5 x 15.5 x 9.3 inches, and it weighs 24.5 pounds.

### 2.2 Speaker Connection

The STRDN1070 supports a 7.2 channel configuration. Connect your speakers to the appropriate terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for each speaker. The receiver is compatible with speakers having an impedance between 6 and 16 ohms.

- **Front Speakers (L/R):** Connect to the FRONT A terminals.
- **Center Speaker:** Connect to the CENTER terminal.
- **Surround Speakers (L/R):** Connect to the SURROUND / ZONE 3 terminals.
- **Surround Back Speakers (L/R) or Front High/Front B:** Connect to the SURROUND BACK / BI-AMP / FRONT HIGH / FRONT B terminals.
- **Subwoofers:** Connect up to two powered subwoofers to the SUBWOOFER OUT terminals.

### 2.3 Power Connection

After all audio and video connections are made, connect the AC power cord to the receiver and then to a wall outlet.

### 2.4 Initial Setup and Calibration

Upon first power-on, follow the on-screen setup guide to configure your receiver. This typically includes speaker calibration, network setup, and input assignments. The receiver features an enhanced setup and usability via a rich Graphical User Interface (GUI).

## 3. CONNECTIONS

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The Sony STRDN1070 offers a wide array of input and output terminals for various audio and video sources.



Figure 2: Rear panel of the Sony STRDN1070 AV Receiver, showing all input and output terminals for audio, video, and network connections.

### 3.1 HDMI Connections

- **HDMI Video In (6 ports):** Connect your video sources such as Blu-ray players, game consoles, and set-top boxes. These inputs support 4K HDR and HDCP 2.2 content protection.
- **HDMI Video Out (2 ports):** Connect to your TV or projector. One output supports Audio Return Channel (ARC).

### 3.2 Audio Connections

- **Audio Input Coaxial (1 port):** For digital audio sources.
- **Audio Input Optical (1 port):** For digital audio sources.
- **Analog Audio Input (4 ports):** For traditional analog audio devices.
- **Headphone Output (1 port):** For private listening.
- **Pre Out Subwoofer (2 ports):** For connecting powered subwoofers.

### 3.3 Network and USB Connections

- **Ethernet Port (1 port):** For wired network connection.
- **USB (1 Front port):** For connecting USB storage devices.
- **Wi-Fi:** Built-in dual-band Wi-Fi for wireless network connectivity.

### 3.4 Other Connections

- **Composite Monitor Out (1 port):** For connecting to older display devices.
- **FM Antenna:** Connect the included FM wire antenna for radio reception.
- **IR Remote:** Input for an external IR receiver, useful if the unit is in a cabinet.

## 4. OPERATION

## 4.1 Basic Controls

Use the supplied remote control or the front panel controls to operate the receiver.



Figure 3: The remote control for the Sony STRDN1070 AV Receiver, featuring dedicated buttons for input selection, volume, and menu navigation.

- **Power:** Press the power button on the remote or front panel to turn the unit on or off.

- **Input Selector:** Use the input selector buttons (e.g., BD/DVD, SAT/CATV, GAME) on the remote or the INPUT SELECTOR knob on the front panel to switch between connected sources.
- **Volume:** Adjust the master volume using the MASTER VOLUME knob on the front panel or the +/- buttons on the remote. The volume level is displayed on your TV screen.
- **Home Menu:** Press the HOME button on the remote to access the receiver's main menu for settings and advanced functions.

## 4.2 Network and Wireless Features

The STRDN1070 offers various wireless connectivity options for audio streaming.

- **Wi-Fi:** Connect the receiver to your home network wirelessly for access to network features.
- **Bluetooth:** Stream audio directly from your smartphone, tablet, or other Bluetooth-enabled devices.
- **AirPlay:** Stream music from Apple devices.
- **DLNA:** Access media files from compatible network devices.
- **Google Cast for Audio:** Cast audio content from supported apps on your mobile device or computer.
- **Multi-room Audio:** Expand your listening experience by connecting to compatible multi-room audio devices.

## 4.3 Sound Modes and Settings

Explore the AMP MENU and sound field options to customize your audio experience. The receiver supports various surround sound modes and High-Resolution Audio playback.

# 5. MAINTENANCE

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## 5.1 Cleaning

Wipe the exterior of the receiver with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents. For stubborn stains, lightly dampen the cloth with water or a mild detergent solution.

## 5.2 Ventilation

Ensure that the ventilation openings on the top and sides of the receiver are not blocked. Proper airflow is crucial to prevent overheating and ensure long-term performance.

## 5.3 Firmware Updates

Periodically check the Sony support website for firmware updates. Updates can improve performance, add new features, or resolve issues. Follow the instructions provided with the update carefully.

# 6. TROUBLESHOOTING

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If you encounter issues with your receiver, refer to the following common troubleshooting steps before contacting support.

## 6.1 No Power

- Ensure the power cord is securely connected to both the receiver and a working wall outlet.
- Check if the power outlet is functional by plugging in another device.

## 6.2 No Sound

- Verify that the correct input source is selected.

- Check all speaker connections for proper polarity and secure fit.
- Ensure the volume is not muted or set too low.
- Confirm that the speakers are enabled in the receiver's setup menu.
- If using HDMI ARC, ensure it is enabled on both the receiver and your TV. Some users have reported intermittent ARC issues, which may require restarting the system.

### 6.3 No Video

- Ensure the correct HDMI input is selected on the receiver and the correct input on your TV.
- Check all HDMI cable connections. Try a different HDMI cable if necessary.
- Verify that your display device (TV/projector) is powered on and set to the correct HDMI input.
- If experiencing intermittent display issues or the receiver defaulting to its home menu instead of the source, try turning off and then restarting the entire system (receiver, TV, source device).

### 6.4 Network Connectivity Issues

- For Wi-Fi, ensure the receiver is within range of your wireless router.
- For wired Ethernet, check the cable connection to your router.
- Restart your router and the receiver.
- Verify network settings in the receiver's menu.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	STRDN1070
Channels	7.2 Channel
Power Output	1155W (165 W x 7 at 6 ohms, 1 kHz, THD 0.9%)
HDMI Inputs/Outputs	6 In / 2 Out (HDCP 2.2 compatible)
Connectivity Technology	Auxiliary, Bluetooth, Ethernet, HDMI, USB, Wi-Fi
Audio Encoding	Surround
Supported Audio Features	Hi-Res Audio, Google Cast for Audio, AirPlay, DLNA
Compatible Devices	Smartphone, Tablet
Product Dimensions (W x H x D)	19.5 x 15.5 x 9.3 inches
Item Weight	24.5 pounds
Batteries Required for Remote	2 AAA (included)

## 8. WARRANTY AND SUPPORT

### 8.1 Warranty Information

Your Sony STRDN1070 AV Receiver comes with a limited warranty. Please refer to the included warranty card for specific terms, conditions, and duration of coverage. Keep your proof of purchase for warranty claims.

## 8.2 Customer Support

For further assistance, technical support, or service inquiries, please visit the official Sony support website or contact Sony customer service. Contact information can typically be found on the Sony website or in the reference guide included with your product.

**Online Support:** [www.sony.com/electronics/support](http://www.sony.com/electronics/support)