

SONRU J52

SONRU Bluetooth 5.3 Transmitter Receiver User Manual

Model: J52

1. INTRODUCTION

This user manual provides detailed instructions for the SONRU Bluetooth 5.3 Transmitter Receiver (Model J52). This versatile 2-in-1 device functions as both a Bluetooth transmitter (TX mode) and a Bluetooth receiver (RX mode), allowing you to wirelessly connect various audio sources to Bluetooth-enabled headphones/speakers or connect your smartphone to wired audio systems.

2. PRODUCT FEATURES

- 2-in-1 Functionality:** Seamlessly switch between Transmitter (TX) mode for non-Bluetooth audio sources (e.g., airplane entertainment, TV, MP3 players) to Bluetooth headphones/speakers, and Receiver (RX) mode for connecting smartphones to wired audio systems (e.g., car stereo, home stereo).
- Dual Pairing with LED Indicator:** Connect up to two Bluetooth devices simultaneously in both TX and RX modes. Features an automatic connection memory function for convenience. A reset button is included for new pairings.
- Bluetooth 5.3 & Qualcomm Chip:** Ensures stable, fast, and high-fidelity audio transmission with a range of up to 10 meters.
- Long Battery Life:** Equipped with a 300mAh battery, providing up to 14 hours in TX mode and 11 hours in RX mode. Fully charges in approximately 2.5 hours.
- Wide Compatibility:** Includes dual 3.5mm airplane headphone adapters. Compatible with various audio output devices via AUX (PC, tablets, gym equipment) and supports a wide range of Bluetooth headphones/earbuds, including AirPods Pro 2.
- Hands-Free Calling:** Built-in microphone for convenient hands-free calls when in RX mode, enhancing safety during activities like driving.

3. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- SONRU Bluetooth 5.3 Transmitter Receiver (Model J52)
- 3.5mm Audio Cable
- Type-C Charging Cable
- RCA Audio Cable
- Audio Connector for Aircraft (Dual 3.5mm adapter)

- 3.5mm Female to Female Adapter
- User Manual

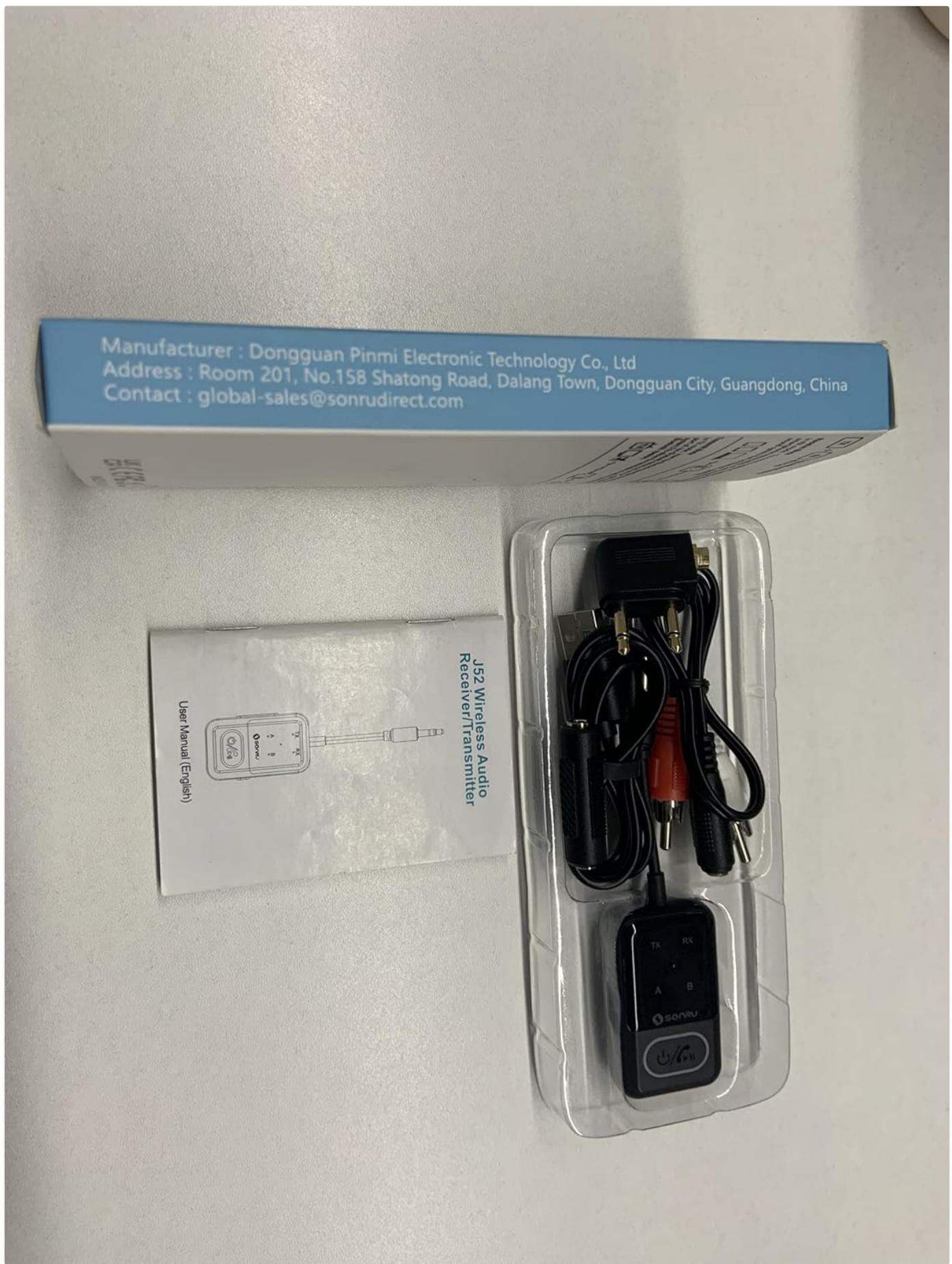


Image: The SONRU Bluetooth 5.3 Transmitter Receiver and its included accessories, such as the 3.5mm audio cable, Type-C charging cable, RCA audio cable, airplane adapter, and female-to-female adapter.

4. CONTROLS AND INDICATORS

Familiarize yourself with the device's buttons and indicators for optimal use:



Image: A detailed view of the SONRU Bluetooth adapter highlighting its components: TX/RX working mode indicators, MIC, Next Song/Volume +, Previous Song/Volume -, MFB (Multi-Function Button), Type-C Charging Port, Reset button, A/B connection device

indicators, and Mode switching button. Also shown are the included accessories: Audio Cable, Audio Connector for Aircraft, 3.5mm Female to Female Adapter, Type-C Charging Cable, and RCA Audio Cable.

- **TX/RX Switch:** Slide to select Transmitter (TX) or Receiver (RX) mode.
- **MFB (Multi-Function Button):** Power On/Off, Play/Pause, Answer/End Call.
- **Volume +/- / Next/Previous Track:** Short press for volume adjustment, long press for track skipping.
- **A/B Indicators:** Lights up to indicate successful connection to device A or B in dual pairing mode.
- **Reset Button:** Used to clear pairing history and reset the device.
- **Type-C Charging Port:** For charging the device.
- **MIC:** Built-in microphone for hands-free calling in RX mode.

5. SETUP AND OPERATION

5.1. Charging the Device

Before first use, fully charge the device. Connect the provided Type-C charging cable to the charging port on the adapter and a USB power source. The device takes approximately 2.5 hours to fully charge.

Long Battery Time



Image: The SONRU Bluetooth adapter being charged via its Type-C port, with indicators showing 2.5 hours for fast charging, a 300mAh battery, and 14 hours of long standby time (or usage time in TX mode).

5.2. Transmitter (TX) Mode Operation

In TX mode, the adapter transmits audio from non-Bluetooth devices to your Bluetooth headphones or speakers.

- 1. Switch to TX Mode:** Slide the TX/RX switch to the "TX" position.
- 2. Power On & Pairing:** Press and hold the MFB button for 3 seconds until the red and blue lights flash alternately, indicating pairing mode.
- 3. Connect to Audio Source:** Plug the 3.5mm audio cable into the adapter's audio jack and the audio output port of your non-Bluetooth device (e.g., airplane entertainment system, TV, gym equipment, computer). Use the dual 3.5mm airplane adapter for in-flight entertainment systems if needed.
- 4. Pair with Bluetooth Headphones/Speakers:** Put your Bluetooth headphones or speakers into pairing mode. The adapter will automatically search and connect. Once connected, the "A" light on the adapter will illuminate, and the MFB indicator light will flash blue slowly.
- 5. Dual Pairing (Optional):** To connect a second pair of headphones/speakers, put the second device into pairing

mode. The adapter will automatically connect, and the "B" light will illuminate.



Fly with Comfortable Wireless AirPods



Image: A person on an airplane using the SONRU Bluetooth adapter connected to the in-flight entertainment system, enabling them to use their wireless headphones.

Image: Two individuals enjoying TV audio wirelessly using two pairs of headphones connected simultaneously via the SONRU Bluetooth adapter, demonstrating its dual pairing capability and 10-meter range.



No More Cords while Exercising, Enjoy High Quality Audio

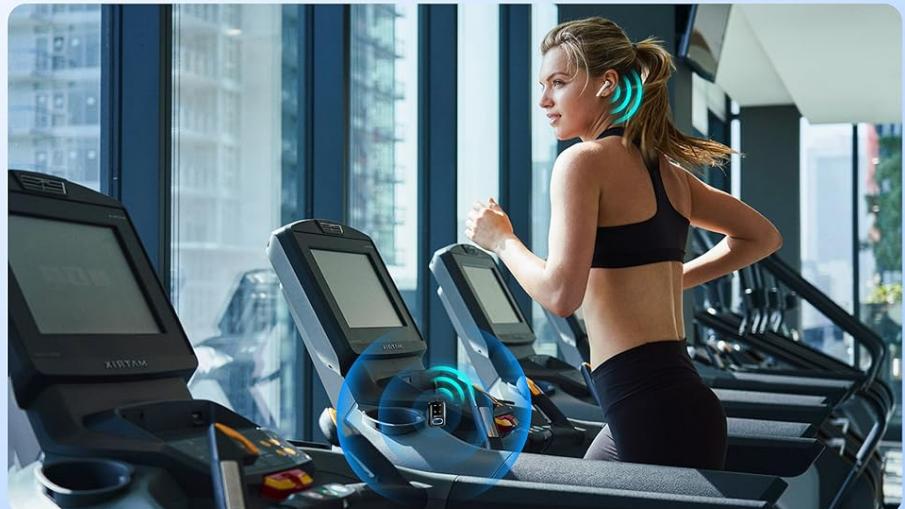


Image: A user on a treadmill at the gym, with the SONRU Bluetooth adapter connected to the gym equipment, allowing for wireless audio transmission to their earbuds, eliminating the need for cords during exercise.

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Video: This video demonstrates the functionality of the SONRU Bluetooth 5.3 Transmitter Receiver, showcasing its ability to transmit audio from a TV to wireless headphones, its long battery life, and the pairing process in both TX and RX modes. It highlights the device's versatility for various audio setups.

5.3. Receiver (RX) Mode Operation

In RX mode, the adapter receives audio from your Bluetooth-enabled smartphone or tablet and outputs it to wired speakers or headphones.

- 1. Switch to RX Mode:** Slide the TX/RX switch to the "RX" position.
- 2. Power On & Pairing:** Press and hold the MFB button for 3 seconds until the red and blue lights flash alternately,

indicating pairing mode.

3. **Connect to Audio System:** Plug the 3.5mm audio cable into the adapter's audio jack and the AUX input of your wired speaker, car stereo, or home stereo system.
4. **Pair with Smartphone/Tablet:** On your smartphone or tablet, enable Bluetooth and search for "J52" in the list of available devices. Select "J52" to connect. Once connected, the "A" light on the adapter will illuminate, and the MFB indicator light will flash blue slowly.
5. **Hands-Free Calling:** When connected to a smartphone in RX mode, the built-in microphone allows for hands-free calling. Press the MFB to answer/end calls.

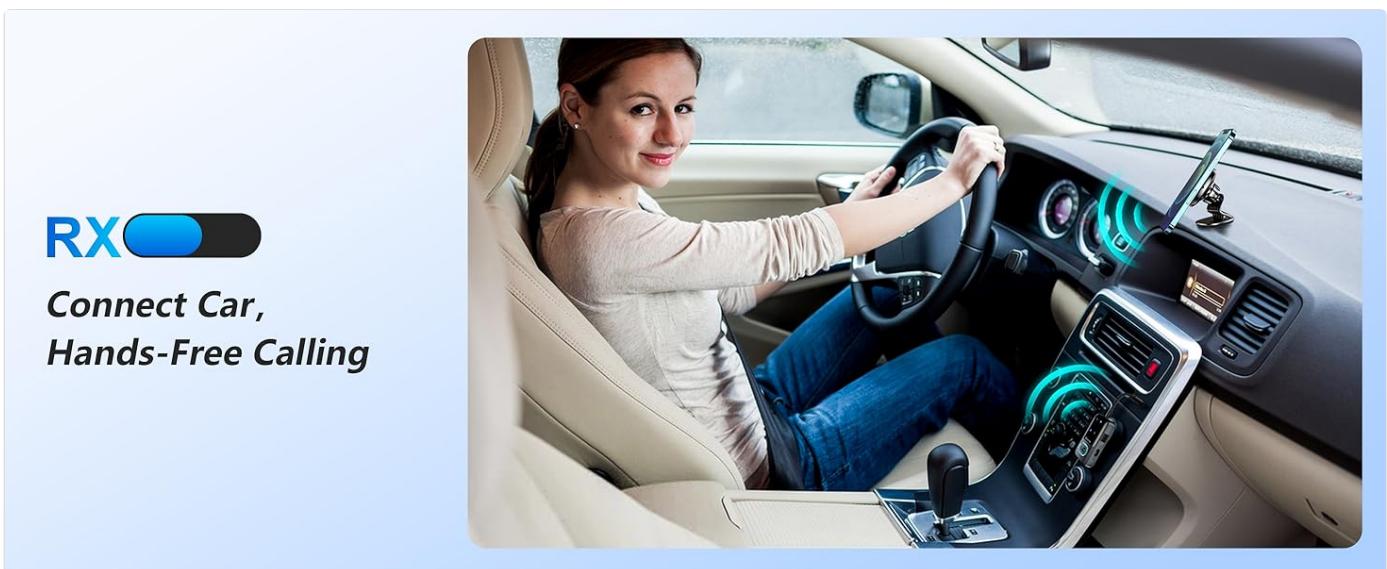


Image: A person driving, with the SONRU Bluetooth adapter connected to the car's audio system, enabling hands-free calling from their smartphone, enhancing driving safety.



Image: A group of friends at an outdoor gathering, with the SONRU Bluetooth adapter connected to a portable speaker, receiving music wirelessly from a smartphone, enhancing the party atmosphere with wireless audio freedom.

5.4. Automatic Connection Memory

After a successful initial connection, the adapter will automatically attempt to reconnect to the last paired device when powered on and within range. If you wish to pair with a different device, you may need to turn off Bluetooth on previously connected devices or use the reset button.

5.5. Resetting the Device

If you encounter pairing issues or wish to clear all previous connections, press the "Reset" button on the side of the device. This will clear the pairing memory and allow you to start fresh.

6. MAINTENANCE

To ensure the longevity and optimal performance of your SONRU Bluetooth adapter, follow these maintenance guidelines:

- Cleaning:** Use a soft, dry cloth to clean the device. Avoid using harsh chemicals, cleaning solvents, or strong detergents.
- Storage:** Store the device in a cool, dry place away from extreme temperatures, humidity, and direct sunlight.
- Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- Charging:** Use only the provided charging cable or a certified Type-C cable. Do not overcharge the device.

7. TROUBLESHOOTING

If you experience issues with your SONRU Bluetooth adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully (approx. 2.5 hours).
Cannot pair with Bluetooth device.	Device not in pairing mode. Bluetooth device too far away. Interference from other Bluetooth devices. Previous pairing conflicts.	Ensure the adapter is in TX/RX pairing mode (red and blue lights flashing alternately). Move the adapter closer to the Bluetooth device (within 10 meters). Turn off Bluetooth on other nearby devices. Press the "Reset" button on the adapter to clear pairing history and try again.
No audio or poor audio quality.	Incorrect cable connection. Volume too low. Interference/latency.	Ensure all audio cables are securely connected to the correct ports. Adjust volume on both the adapter and the connected audio device/headphones. Ensure the adapter is fully charged, as some users report better sound quality on battery power. Try moving closer to the connected device.
LEDs remain on indefinitely.	Normal operation for some indicators when powered.	This is expected behavior for certain indicator lights. To conserve battery, ensure the device is powered off when not in use.

8. SPECIFICATIONS

Feature	Detail
Product Name	Bluetooth 5.3 Transmitter Adapter (2-in-1)
Model	J52

Feature	Detail
Bluetooth Version	5.3
Chipset	Qualcomm
Battery Capacity	300mAh Lithium Ion
Charging Time	Approx. 2.5 hours
TX Mode Battery Life	Up to 14 hours
RX Mode Battery Life	Up to 11 hours
Transmission Distance	Up to 10 meters (33 feet)
Product Dimensions	6.37 x 2.79 x 0.9 inches
Item Weight	2.89 ounces
Material	Acrylonitrile Butadiene Styrene (ABS)
Special Features	Hands-Free Calls, Built-In Microphone
Manufacturer	Dongguan Pinmi Electronic Technology Co., Ltd
Country of Origin	China

9. SAFETY INFORMATION

Please read and adhere to the following safety information:

- Battery Handling:** The device contains a Lithium Ion battery. Do not disassemble, crush, puncture, short circuit, or dispose of in fire or water. Dispose of batteries according to local regulations.
- Interference:** This device uses radio frequencies and may cause interference with other electronic devices, medical equipment, or pacemakers. Maintain a safe distance from such devices.
- Temperature:** Avoid exposing the device to extreme temperatures (hot or cold) or direct sunlight for prolonged periods.
- Moisture:** Keep the device dry. Do not expose it to water or other liquids.
- Children:** Keep out of reach of children. Small parts may pose a choking hazard.

10. WARRANTY AND SUPPORT

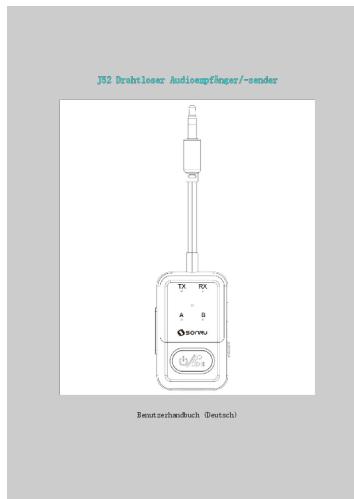
SONRU products are designed for reliability and performance. For any questions, concerns, or technical support, please contact the seller or manufacturer directly. Please refer to your purchase documentation for specific warranty terms and conditions.

Manufacturer: Dongguan Pinmi Electronic Technology Co., Ltd

Seller: Furong Global

For further assistance, you may visit the [SONRU Store on Amazon](#).

Documents - SONRU – J52



[J52 Drahtloser Audioempfänger/-sender Benutzerhandbuch](#)

Erfahren Sie, wie Sie den J52 2-in-1 Wireless Audio Adapter als Sender (TX) oder Empfänger (RX) verwenden. Dieses Handbuch enthält Anleitungen zur Kopplung, Fehlerbehebung und Spezifikationen für den SONRU J52 Bluetooth-Adapter.
lang:de score:14 filesize: 1001.92 K page_count: 13 document date: 2024-09-13