SONRU BT1005

SONRU Bluetooth 5.0 Transmitter Receiver User Manual

Brand: SONRU

Model: BT1005

1. INTRODUCTION

This manual provides detailed instructions for the SONRU Bluetooth 5.0 Transmitter Receiver, Model BT1005. This versatile 2-in-1 adapter allows you to add Bluetooth functionality to various audio devices, enabling wireless audio transmission (TX mode) or reception (RX mode).

The device supports Bluetooth 5.0 for stable connections, aptX Low Latency for synchronized audio, and dual pairing for connecting to two devices simultaneously.

2. PACKAGE CONTENTS

- SONRU Bluetooth Adapter (BT1005)
- USB Charging Cable
- RCA Cable
- 3.5mm AUX Cable
- User Manual

Bluetooth Adapter

USB Charging Cable

Bluetooth Transmitter & Receiver

User Manual

User Manual
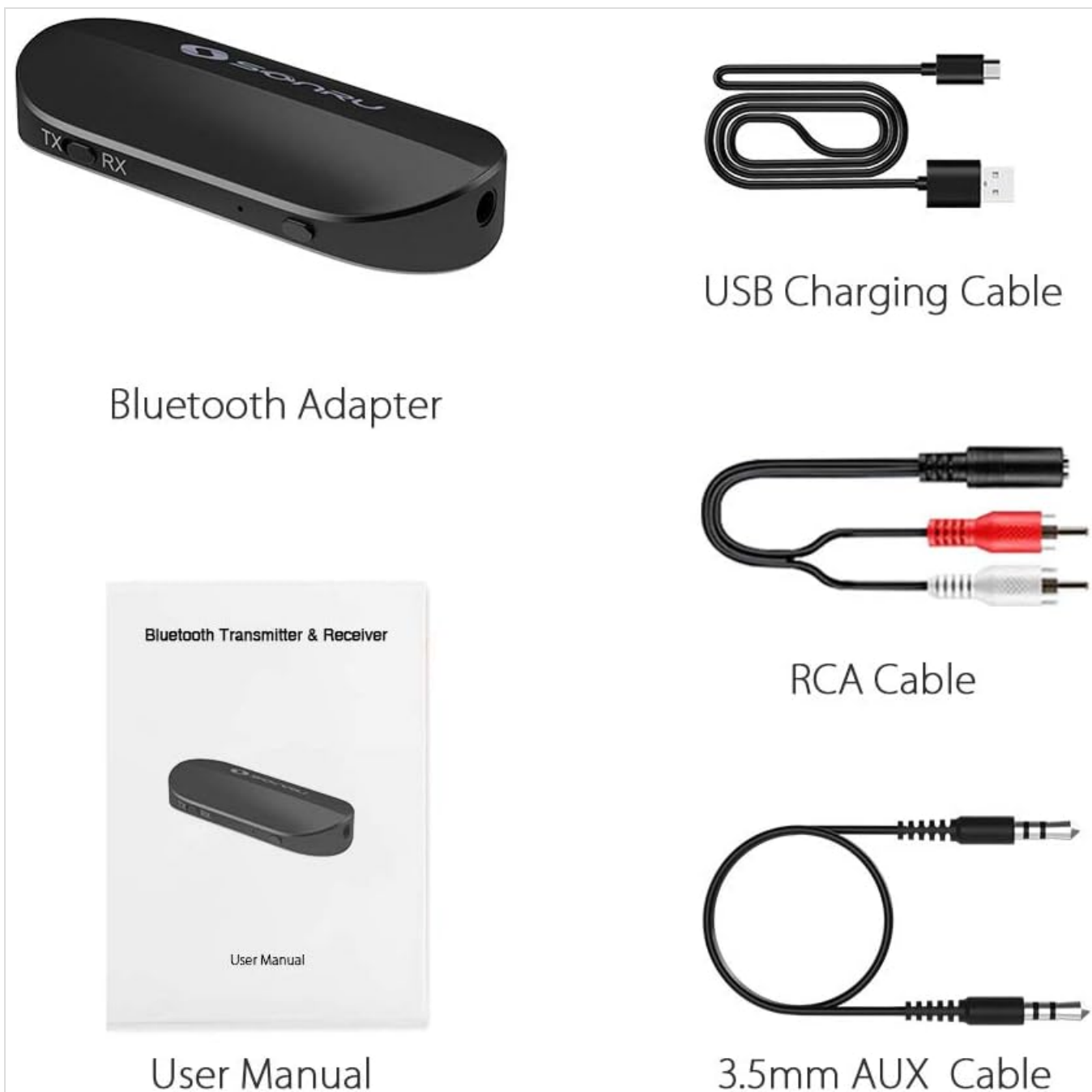
RCA Cable

3.5mm AUX Cable

Figure 2.1: Included accessories with the SONRU Bluetooth Adapter.

3. DEVICE OVERVIEW

The SONRU Bluetooth 5.0 Transmitter Receiver is a compact device designed for ease of use. It features a mode switch to toggle between Transmitter (TX) and Receiver (RX) modes, a multi-function button for power and pairing, and standard audio input/output ports.

Figure 3.1: SONRU Bluetooth 5.0 Transmitter Receiver device.

4. SETUP AND INITIAL USE

4.1 Charging the Device

Before first use, fully charge the device. Connect the supplied USB charging cable to the micro USB port on the adapter and the other end to a USB power source (e.g., computer USB port, USB wall adapter). The LED indicator will show charging status and turn off when fully charged. A full charge takes approximately 2 hours and provides up to 9 hours of continuous audio playback.

Figure 4.1: The device offers long working time after a full charge.

4.2 Power On/Off

- **Power On:** Press and hold the multi-function button for 3 seconds until the LED indicator flashes blue.
- **Power Off:** Press and hold the multi-function button for 3 seconds until the LED indicator turns off.

5. OPERATING MODES

5.1 Transmitter (TX) Mode

In TX mode, the device transforms a non-Bluetooth audio source (e.g., TV, computer, MP3 player) into a Bluetooth-enabled transmitter, allowing it to send audio wirelessly to Bluetooth headphones or speakers.

- **Switch to TX Mode:** Slide the TX/RX switch to the 'TX' position.
- **Connect Audio Source:** Use the 3.5mm AUX cable or RCA cable to connect the adapter's audio input to the audio output port of your non-Bluetooth device (e.g., TV headphone jack, computer audio out).
- **Pairing:** The adapter will automatically enter pairing mode (LED flashes blue and red alternately). Place your Bluetooth headphones or speaker in pairing mode. They should connect automatically. If not, manually select

'BT1005' from your receiving device's Bluetooth list.

- **Dual Pairing:** To connect a second Bluetooth receiving device, put the second device into pairing mode. Briefly press the multi-function button on the SONRU adapter. The adapter will search for and connect to the second device.

Figure 5.1: Transmitter Mode setup for various audio sources.

Figure 5.2: Dual pairing in action, allowing two Bluetooth headphones to connect simultaneously.

5.2 Receiver (RX) Mode

In RX mode, the device adds Bluetooth functionality to your non-Bluetooth audio system (e.g., wired headphones, wired speakers, car stereo), allowing it to receive audio wirelessly from Bluetooth-enabled devices like smartphones or tablets.

- **Switch to RX Mode:** Slide the TX/RX switch to the 'RX' position.
- **Connect Audio Output:** Use the 3.5mm AUX cable or RCA cable to connect the adapter's audio output to the audio input port of your non-Bluetooth audio system (e.g., AUX-in on car stereo, headphone jack on wired speakers).
- **Pairing:** The adapter will automatically enter pairing mode (LED flashes blue and red alternately). On your Bluetooth-enabled device (e.g., smartphone), search for Bluetooth devices and select 'BT1005' to connect.

Figure 5.3: Receiver Mode setup for various audio receiving devices.

6. ADVANCED FEATURES

6.1 aptX Low Latency

The SONRU BT1005 supports aptX Low Latency technology, which significantly reduces audio delay, ensuring synchronized sound with video. This is particularly beneficial when watching TV or playing games, preventing noticeable lip-sync issues. For aptX Low Latency to function, both the transmitting and receiving devices must support aptX LL.

Figure 6.1: aptX Low Latency ensures synchronized audio for media consumption.

7. MAINTENANCE AND CARE

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods.
- **Avoid Moisture:** Do not expose the device to water or excessive humidity.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Low battery.	Charge the device fully.

Problem	Possible Cause	Solution
Cannot pair with a Bluetooth device.	Device not in pairing mode; Bluetooth device too far; Interference.	Ensure the adapter is in pairing mode (flashing blue/red). Move devices closer. Turn off other Bluetooth devices.
No sound or poor sound quality.	Incorrect cable connection; Volume too low; Source/receiver not compatible.	Check all cable connections. Adjust volume on both the adapter and connected devices. Ensure correct mode (TX/RX) is selected.
Audio delay/lip-sync issues.	aptX Low Latency not active.	Ensure both the transmitting and receiving devices support aptX Low Latency.
Dual pairing fails.	Second device not in pairing mode.	Ensure the second Bluetooth device is in its pairing mode before attempting to connect it to the adapter.

9. SPECIFICATIONS

- **Brand:** SONRU
- **Model Number:** BT1005
- **Connectivity Technology:** Bluetooth
- **Bluetooth Version:** 5.0
- **Special Features:** Low Latency, Dual Streaming + Automatic Connection
- **Compatible Devices:** Desktop Computer, TV, Home Sound System, Headphones, Speakers, Car Stereo, Laptop, MP3/MP4 Players, Cell Phones, Tablets, Gaming Consoles
- **Power Source:** Battery Powered
- **Battery Type:** Lithium-ion (Rechargeable)
- **Charging Time:** Approximately 2 hours
- **Working Time:** Up to 9 hours continuous audio playback
- **Interface:** USB, 3.5mm AUX, RCA

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided on the product packaging or the official SONRU website. Keep your purchase receipt for warranty claims.