

## SONRU B50

# SONRU Bluetooth 5.0 Audio Transmitter and Receiver (Model B50) User Manual

Model: B50

## 1. INTRODUCTION

Thank you for choosing the SONRU Bluetooth 5.0 Audio Transmitter and Receiver. This device is designed to seamlessly integrate Bluetooth audio capabilities into your existing home entertainment systems, car audio, or personal listening devices. It functions as both a transmitter (TX) to send audio from non-Bluetooth sources to Bluetooth headphones/speakers, and a receiver (RX) to stream audio from Bluetooth-enabled devices to wired speakers or car stereos. Please read this manual carefully to ensure proper use and optimal performance.



The SONRU Bluetooth 5.0 Audio Transmitter and Receiver unit, shown with its optical and RCA audio cables, highlighting its compact design and connectivity options.

## 2. PACKAGE CONTENTS

Please check the package for the following items:

- SONRU Bluetooth Audio Adapter (B50)
- User Manual
- Optical Audio Cable (TOSLINK SPDIF)
- 3.5mm AUX Audio Cable
- RCA Audio Cable (3.5mm to 2RCA)
- USB Charging Cable



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|---------------------------|-----------------------------|
| 1 Adaptateur Bluetooth    | 4 Câble auxiliaire de 3,5mm |
| 2 Manuel de l'Utilisateur | 5 Câble RCA 3,5mm           |
| 3 Câble optique           | 6 Câble de chargement USB   |

An overview of the package contents: the SONRU Bluetooth adapter, user manual, optical cable, 3.5mm auxiliary cable, RCA audio cable, and USB charging cable.

### 3. PRODUCT OVERVIEW

#### 3.1 Device Layout and Controls

Familiarize yourself with the buttons and ports on your SONRU B50 adapter:

# PLUS D'OPTIONS, CONTRÔLE FACILE

Remarque : seul le mode RX prend en charge le contrôle du volume +/-



This image highlights the various ports and controls on the SONRU adapter: the power switch, TX/RX mode selector, LED status display, pairing button, volume/track control buttons, 3.5mm AUX input/output, USB charging port, and SPDIF (optical) input/output.

- **Power Switch:** ON/OFF
- **TX/RX Mode Switch:** Toggle between Transmitter and Receiver modes.
- **LED Indicator:** Displays current status, mode, and codec.
- **Pairing Button:** Initiates Bluetooth pairing.
- **Volume/Track Control Buttons:** Adjust volume, skip tracks (RX mode only for volume control).
- **Play/Pause Button:** Controls media playback.
- **AUX Port (3.5mm):** For 3.5mm audio input/output.
- **SPDIF Port (Optical):** For optical audio input/output.
- **USB Charging Port:** For charging the device.

## 4. SETUP

### 4.1 Charging the Device

Before first use, fully charge the adapter. Connect the supplied USB charging cable to the device's USB port and to a standard USB power adapter (not included) or a computer's USB port.

- The LED indicator will show charging status.
- A full charge takes approximately 3 hours.
- The device can be used while charging.

### 4.2 Power On/Off

- **To Power On:** Slide the power switch to the 'ON' position. The LED indicator will light up.
- **To Power Off:** Slide the power switch to the 'OFF' position. The LED indicator will turn off.

## 4.3 Mode Selection (TX/RX)

Use the TX/RX mode switch on the side of the device to select the desired operating mode:

- **TX (Transmitter) Mode:** To send audio from a non-Bluetooth device (e.g., TV, PC) to Bluetooth headphones or speakers.
- **RX (Receiver) Mode:** To receive audio from a Bluetooth-enabled device (e.g., smartphone, tablet) and output it to wired speakers or a car stereo.

## 5. OPERATING INSTRUCTIONS

### 5.1 Transmitter (TX) Mode

In TX mode, the adapter transmits audio from a non-Bluetooth source to Bluetooth receiving devices.

1. Set the mode switch to **TX**.
2. Connect the adapter to your audio source (e.g., TV, PC, projector) using the appropriate cable (Optical, 3.5mm AUX, or RCA).
3. Power on the adapter. The LED indicator will flash, indicating it's in pairing mode.
4. Place your Bluetooth headphones or speaker into pairing mode.
5. The adapter will automatically search for and connect to nearby Bluetooth devices. Once connected, the LED indicator will show a solid light.



This diagram illustrates the two primary operating modes: Transmitter (TX) mode, where the adapter sends audio from

devices like TVs or computers to Bluetooth headphones or speakers; and Receiver (RX) mode, where it receives audio from mobile devices to output to wired speakers or car stereos.

## 5.2 Receiver (RX) Mode

In RX mode, the adapter receives audio from a Bluetooth-enabled device and outputs it to a wired audio system.

1. Set the mode switch to **RX**.
2. Connect the adapter to your wired audio system (e.g., speakers, car stereo) using the appropriate cable (3.5mm AUX or RCA).
3. Power on the adapter. The LED indicator will flash, indicating it's in pairing mode.
4. On your Bluetooth-enabled device (e.g., smartphone), search for Bluetooth devices and select "SONRU B50" to connect.
5. Once connected, the LED indicator will show a solid light. You can now stream audio from your device to your wired audio system.

## 5.3 Pairing Devices

### Single Device Pairing

Follow the steps above for TX or RX mode. The adapter will automatically enter pairing mode when powered on in the selected mode.

### Dual Device Pairing

The SONRU B50 supports connecting to two Bluetooth devices simultaneously in both TX and RX modes.

1. Connect the first device as described in the TX or RX mode instructions.
2. Once the first device is successfully paired, press the pairing button on the adapter. The LED will flash again.
3. Put the second Bluetooth device into pairing mode.
4. The adapter will connect to the second device. Both devices will now be connected simultaneously.



# DOUBLE APPARIEMENT

Jumelez simultanément avec deux écouteurs  
Partagez le plaisir sans déranger les autres



The dual pairing feature allows two Bluetooth headphones to connect simultaneously to the adapter, enabling shared audio experiences from a single source.

## 5.4 LED Indicators

The LED display provides visual feedback on the device's status:

- **TX/RX:** Indicates the current operating mode.
- **Pairing:** Flashing light indicates pairing mode; solid light indicates successful connection.
- **OPT/AUX:** Indicates the active audio input/output interface (Optical or 3.5mm AUX).
- **SBC/AAC/APTX/LL/HD:** Indicates the active audio codec being used.

## 5.5 Button Functions

The adapter features intuitive controls for media playback and volume adjustment:

- **Play/Pause Button:** Press to play or pause audio.
- **Volume Up/Next Track Button:** Short press for next track; long press for volume up (RX mode only for volume control).
- **Volume Down/Previous Track Button:** Short press for previous track; long press for volume down (RX mode only for volume control).

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your SONRU B50 adapter, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.

- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. If storing for an extended period, charge the device to about 50% every few months.
- **Avoid Moisture:** Keep the device away from water and high humidity.

## 7. TROUBLESHOOTING

If you encounter issues with your SONRU B50 adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low battery or power switch is off.	Charge the device using the USB cable. Ensure the power switch is in the 'ON' position.
Cannot pair with a Bluetooth device.	Device not in pairing mode, too far from the adapter, or interference.	Ensure the adapter is in TX/RX pairing mode (LED flashing). Place devices closer. Turn off other Bluetooth devices nearby. Restart both devices.
No sound after pairing.	Incorrect cable connection, wrong input/output selected, or volume too low.	Verify all audio cables are securely connected. Ensure the correct input/output (Optical/AUX) is selected on the adapter and source/destination device. Adjust volume on both the adapter (RX mode) and connected devices.
Audio delay (latency).	Connected devices do not support aptX Low Latency.	For minimal latency, ensure both the adapter and your Bluetooth headphones/speakers support aptX Low Latency.
Short wireless range.	Obstacles or interference.	Ensure there are no major obstacles (walls, metal objects) between the adapter and the connected device. Avoid placing near Wi-Fi routers or other wireless devices.

## 8. SPECIFICATIONS

Brand	SONRU
Model Number	B50
Bluetooth Version	5.0
Audio Codecs	aptX HD, aptX Low Latency (LL), SBC, AAC
Operating Modes	Transmitter (TX), Receiver (RX)
Connectivity Interfaces	Bluetooth, Optical (SPDIF), 3.5mm AUX, RCA
Wireless Range	Up to 20 meters (without obstacles)



<b>Battery Type</b>	Lithium-ion
<b>Battery Capacity</b>	600mAh
<b>Playtime</b>	Up to 24 hours
<b>Charging Time</b>	Approximately 3 hours
<b>Power Source</b>	Rechargeable Battery, USB Powered
<b>Color</b>	Black
<b>Compatible Devices</b>	Computers, TVs, Projectors, Audio Systems, Headphones, Mobile Phones, Tablets, Car Stereos

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact SONRU customer service through the retailer where the product was purchased. Keep your proof of purchase for warranty claims.