

## SOOMFON B9203A

# SOOMFON Bluetooth 5.2 aptX Low Latency/HD Transmitter Receiver User Manual

MODEL: B9203A

## 1. Introduction

Thank you for choosing the SOOMFON 3-in-1 Bluetooth 5.2 Transmitter Receiver. This versatile audio adapter allows you to seamlessly integrate Bluetooth connectivity into your home entertainment system, offering both transmitting (TX) and receiving (RX) capabilities, along with a bypass mode. Enjoy high-quality audio with aptX HD and low-latency streaming with aptX-LL, ensuring an immersive listening experience for music, movies, and games.

## 2. Product Features

- **aptX-LL & aptX HD Support:** Experience audio with less than 40 milliseconds of delay and support for up to 24-bit/48kHz high-quality sound. Note: For low latency, your Bluetooth device must also support aptX LL. aptX-LL functions in TX mode, while aptX-HD works in both TX and RX modes.
- **Dual Connection:** Connect two Bluetooth headphones or speakers simultaneously for shared listening. In TX mode, individual volume adjustment for connected devices is not possible. In RX mode, you can connect two audio sources, but only one can play at a time.
- **3-in-1 Functionality:** Utilizes the advanced Bluetooth 5.2 chip for enhanced transmission range and speed. Offers three operating modes: Receiver (RX), Transmitter (TX), and Bypass, providing flexibility for various audio needs.
- **Visualized Operation & Adjustable Volume:** The 1.8-inch LCD screen displays working status, connected devices, and current mode, simplifying Bluetooth connection management. A rotary knob allows for easy volume adjustment.
- **Extended Range & Auto Reconnection:** Achieve a maximum range of 20-30 meters in RX mode and 15 meters in TX mode (indoors). After initial pairing, the device automatically reconnects without further configuration.
- **Broad Compatibility:** Connects to a wide range of devices via 3.5mm jack, RCA, and optical audio inputs, including TVs, computers, headphones, speakers, projectors, and Hi-Fi systems.

### 3. Package Contents

Please check the box for the following items:

- 1 x Bluetooth 5.2 Transceiver
- 1 x Optical Cable
- 1 x 3.5mm Aux Audio Cable
- 1 x 3.5mm Aux to RCA Audio Cable
- 1 x USB A to USB C Charging Cable
- 1 x User Manual



Figure 3.1: Package Contents

## 4. Product Overview

The SOOMFON Bluetooth adapter features a user-friendly design with an intuitive LCD screen and a multi-function rotary knob for easy control.



Figure 4.1: SOOMFON Bluetooth Adapter with Cables



# Broad Compatibility



Audio System



Amplifier



Car Audio



TV



Computer



Projector



RX Mode (Receiver)



Tablet



Smartphone



Computer



TX Mode (Transmitter)



Bluetooth Headphones



Bluetooth Speaker

Figure 4.2: User-Friendly Design Details

The device includes a clear LCD screen for status updates, a large rotary knob for volume and navigation, and dedicated buttons for power and mode switching.

## 5. Setup

Before using the SOOMFON adapter, ensure it is powered via the provided USB-C cable. Connect the appropriate audio cables (Optical, AUX, or RCA) based on your desired setup.

### 5.1. Powering On

1. Connect the USB A to USB C charging cable to the adapter's USB-C port and a power source (e.g., USB wall adapter, TV USB port).
2. Press and hold the power button to turn on the device. The LCD screen will illuminate.

## 5.2. Connecting Audio Cables

Choose the appropriate audio cable for your setup:

- **Optical Cable:** For digital audio connection (e.g., from TV to adapter).
- **3.5mm AUX Cable:** For analog audio connection (e.g., from phone to adapter, or adapter to speaker).
- **3.5mm Aux to RCA Cable:** For analog audio connection to devices with RCA inputs (e.g., older stereo systems).

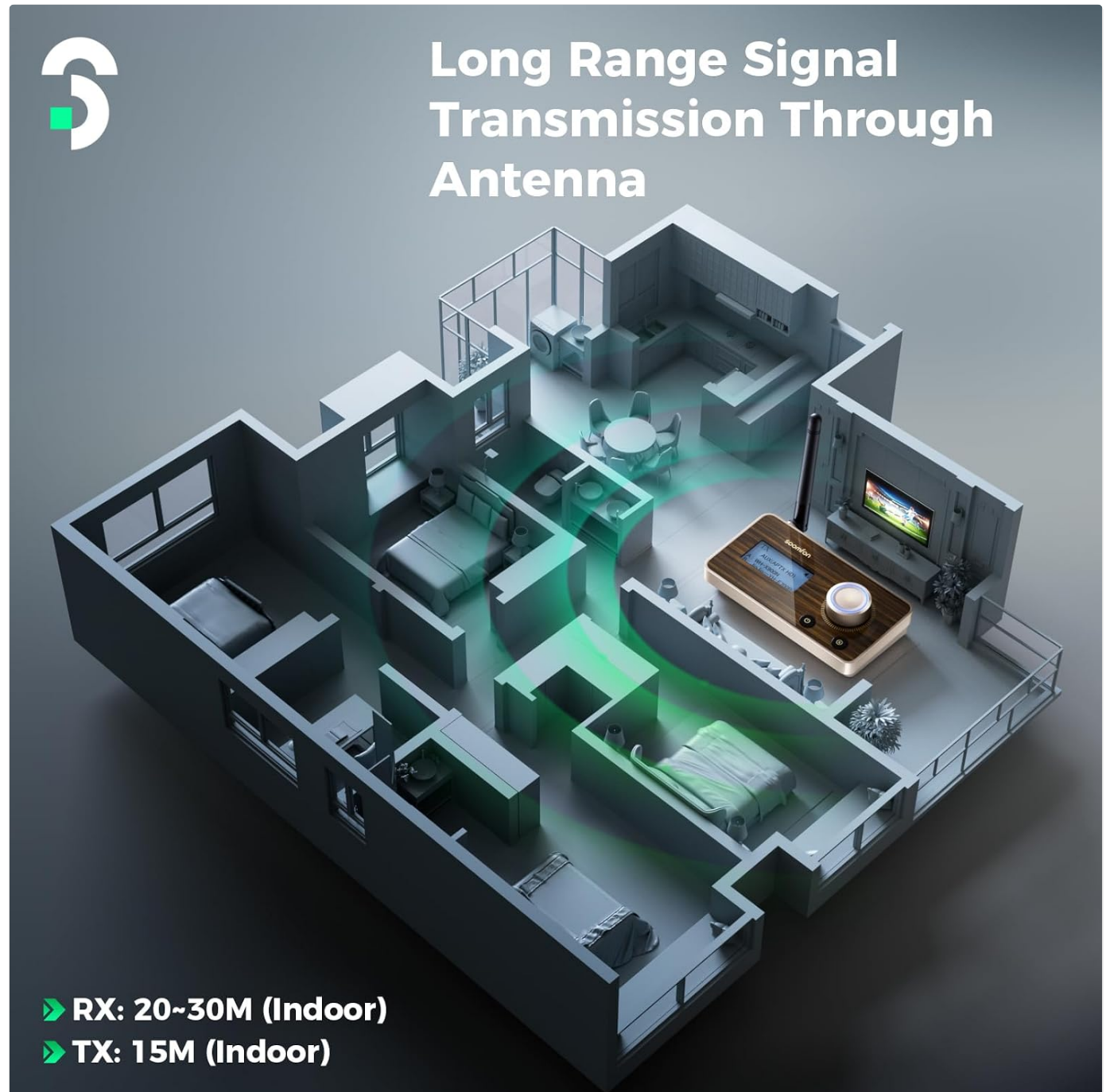


Figure 5.1: Broad Compatibility and Connection Examples

## 6. Operating Modes

The SOOMFON adapter supports three operating modes: TX (Transmitter), RX (Receiver), and Bypass. Use the mode button to switch between them.

## 6.1. TX Mode (Transmitter)

In TX mode, the adapter transmits audio from a non-Bluetooth source (e.g., TV, PC) to Bluetooth-enabled devices (e.g., headphones, speakers).

- Connect the adapter to your audio source (TV, PC) using an optical, AUX, or RCA cable.
- Set the adapter to TX mode. The LCD screen will indicate 'TX'.
- The adapter will automatically enter pairing mode.



Figure 6.1: TX Mode for Low Latency Audio

## 6.2. RX Mode (Receiver)

In RX mode, the adapter receives Bluetooth audio from your smartphone, tablet, or computer and outputs it to a non-Bluetooth audio system (e.g., wired speakers, home stereo).

- Connect the adapter to your audio output device (speakers, stereo) using an AUX or RCA cable.
- Set the adapter to RX mode. The LCD screen will indicate 'RX'.

- The adapter will automatically enter pairing mode.



**Enjoy CD-Like High Quality Music**

Certified aptX HD 24Bit HiFi audio in TX & RX mode.

**To get HiFi audio, your headphones or speakers must also support the aptX HD.**

Figure 6.2: RX Mode for High-Quality Music

### 6.3. Bypass Mode

Bypass mode allows audio to pass through the adapter without Bluetooth processing. This is useful if you want to switch between wired and wireless audio without re-plugging cables.

- Connect your audio source to the adapter's input and your audio output device to the adapter's output.
- Set the adapter to Bypass mode. The LCD screen will indicate 'BYPASS'.

## 7. Pairing Instructions

To pair the SOOMFON adapter with your Bluetooth device:

1. Ensure the adapter is in the desired mode (TX or RX) and in pairing state (indicated on the LCD screen).
2. Enable Bluetooth on your device (e.g., headphones, smartphone) and put it into pairing mode.
3. On the SOOMFON adapter's LCD screen, you will see a list of available Bluetooth devices. Use the rotary knob to navigate and select your device.
4. Press the rotary knob to confirm the selection and initiate pairing.
5. Once connected, the LCD screen will display the connected device's name.

The device supports automatic reconnection after the first successful pairing.

## 8. Dual Connection

The SOOMFON adapter allows you to connect two Bluetooth devices simultaneously in TX mode (e.g., two pairs of headphones) or two audio sources in RX mode (though only one can play at a time).

### 8.1. Connecting a Second Device (TX Mode)

1. Ensure the first device is successfully paired and connected.
2. Put the second Bluetooth device into pairing mode.
3. On the SOOMFON adapter, navigate to the pairing screen and select the second device.
4. Confirm the selection to connect. Both devices will now receive audio.



# Dual Connection

Share the fun with your family and friends!.



Figure 8.1: Dual Connection in Use

## 9. Volume Adjustment

The large rotary knob on the SOOMFON adapter allows for convenient volume control. Simply rotate the knob clockwise to increase volume and counter-clockwise to decrease it.

## 10. Long Range Transmission

The SOOMFON adapter is designed for extended range connectivity, thanks to its external antenna.

- **RX Mode (Receiver):** Up to 20-30 meters (indoors).

- **TX Mode (Transmitter):** Up to 15 meters (indoors).

Optimal range may vary depending on environmental factors such as obstacles, walls, and other wireless interference.



Figure 10.1: Long Range Signal Transmission

## 11. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to wipe the device. Avoid using liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.

- **Ventilation:** Ensure proper ventilation around the device during operation to prevent overheating.

## 12. Troubleshooting

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

| Problem                                 | Possible Cause / Solution                                                                                                                                                                                                                               |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio delay/lag (especially with video) | Ensure both the adapter (in TX mode) and your receiving Bluetooth device (headphones/speaker) support aptX Low Latency (aptX-LL). If only one supports it, or neither, a delay may occur. Professional music equipment may also experience sound delay. |
| Cannot pair with a device               | Ensure the adapter is in the correct mode (TX/RX) and pairing mode. Make sure your target Bluetooth device is also in pairing mode and within range. Try restarting both devices.                                                                       |
| No sound output/input                   | Check all audio cable connections (Optical, AUX, RCA) are secure and correctly plugged into the right ports. Verify the adapter is in the correct operating mode (TX/RX/Bypass). Check volume levels on both the adapter and connected devices.         |
| Device not responding / Screen frozen   | Perform a hard reset: Power off the device. Then, quickly power it on and off 6 times consecutively. This will reset the screen and pairing memory. Ensure you do not exceed 6 cycles.                                                                  |
| Limited range / Signal drops            | Ensure the antenna is properly attached and oriented. Reduce obstacles between the adapter and the connected Bluetooth device. Avoid placing the adapter near sources of strong electromagnetic interference (e.g., Wi-Fi routers, microwaves).         |

## 13. Specifications

| Feature                              | Detail                 |
|--------------------------------------|------------------------|
| Brand                                | SOOMFON                |
| Model Number                         | B9203A                 |
| Connectivity Technology              | Bluetooth 5.2          |
| Screen Size                          | 1.8 Inches             |
| Audio Output Mode                    | Stereo, Surround, Mono |
| Surround Sound Channel Configuration | 5.1                    |
| Number of Channels                   | 2                      |

| Feature              | Detail             |
|----------------------|--------------------|
| Item Weight          | 231 Grams          |
| Output Type          | Headphone, Optical |
| Rechargeable Battery | No                 |

## 14. Warranty and Support

SOOMFON products are designed and manufactured to the highest quality standards. This product is covered by a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your package or visit the official SOOMFON website.

If you require technical assistance, have questions about product functionality, or need to report an issue, please contact SOOMFON customer support through the following channels:

- **Email:** Refer to the contact information provided on the product packaging or official website.
- **Online Support:** Visit the SOOMFON support page for FAQs and troubleshooting guides.

Please have your product model number (B9203A) and purchase information ready when contacting support.

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### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

**Submit question**