

[Manuals.plus](#) /

› [Vinmoog](#) /

› Vinmoog Bluetooth 5.0 USB Audio Transmitter Receiver User Manual

Vinmoog B0BDD9JHKY

Vinmoog Bluetooth 5.0 USB Audio Transmitter Receiver User Manual

1. INTRODUCTION

This manual provides detailed instructions for the Vinmoog Bluetooth 5.0 USB Audio Transmitter Receiver. This versatile device allows you to add Bluetooth functionality to various audio equipment, enabling wireless audio transmission or reception.



Image 1.1: Vinmoog Bluetooth 5.0 USB Audio Transmitter Receiver.

Key Features:

- **Bluetooth 5.0 Technology:** Ensures low power consumption, faster data transfer, extended transmission range up to 20 meters (unobstructed), and minimal audio delay.
- **Dual Functionality (4-in-1):** Operates as both a Bluetooth transmitter (TX) and receiver (RX).
- **Plug and Play:** Easy to use with no drivers required for most operating systems.
- **USB Powered:** Draws power directly from a USB port, eliminating the need for internal batteries or charging.
- **Wide Compatibility:** Connects to a broad range of devices including TVs, PCs, MP3/MP4 players, CD players, iPods, smartphones, tablets, home audio systems, and car stereos.
- **Automatic Memory Function:** Automatically reconnects to previously paired Bluetooth devices.

2. PRODUCT OVERVIEW

The Vinmoog Bluetooth 5.0 USB Audio Transmitter Receiver is a compact device designed for seamless audio connectivity. It features a single button for mode switching and an indicator light to show the current operating mode.



Image 2.1: Device components and labels.

Components:

- **USB Connector:** For power supply and data transfer (in some PC applications).
- **3.5mm Audio Jack:** For connecting to audio input/output ports of external devices.
- **Multi-function Button:** Used to switch between Transmitter (TX) and Receiver (RX) modes.
- **LED Indicator Light:** Displays the current operating mode and pairing status.

3. SETUP AND MODE SWITCHING

The device is designed for easy setup and operation. It requires a USB power source and an audio connection via the 3.5mm AUX cable.

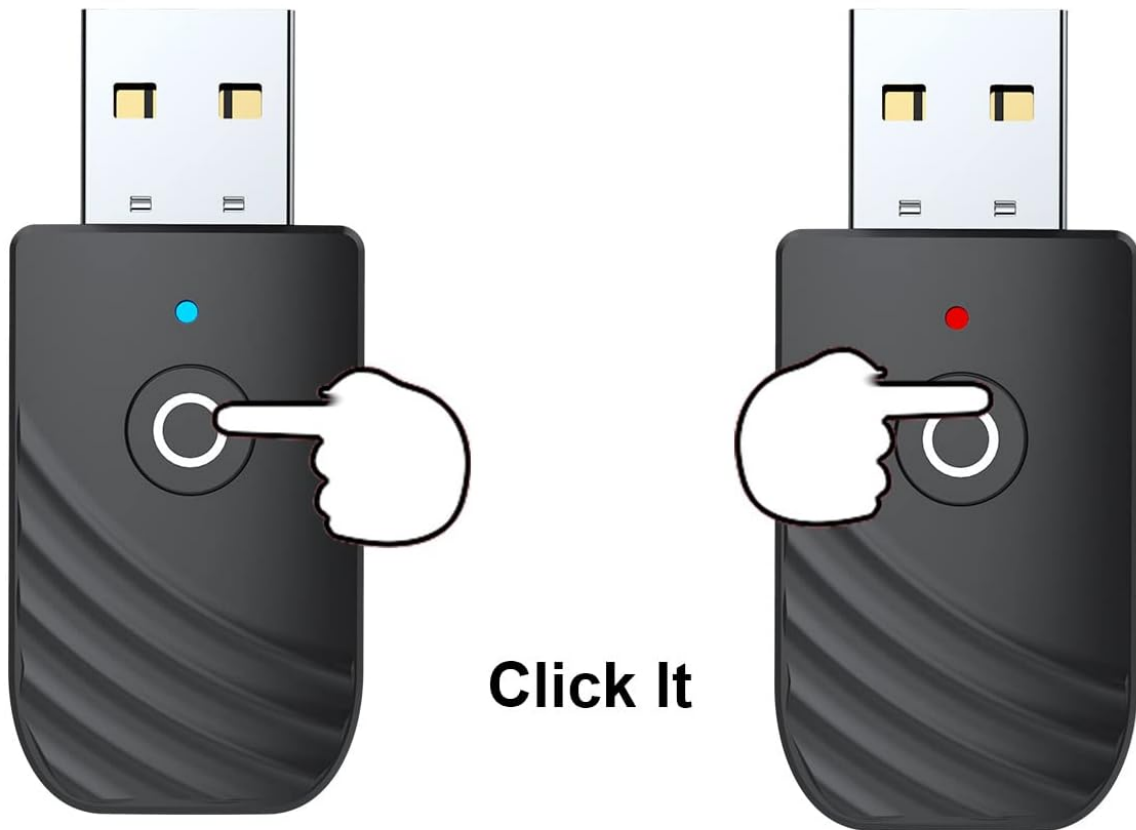
Powering the Device:

Plug the USB connector of the adapter into any standard USB port for power. This can be a USB wall adapter, a USB port on a computer, TV, or car stereo.

Switching Modes:

The device can operate in two primary modes: Transmitter (TX) and Receiver (RX). To switch between modes, press the multi-function button on the device.

Mode Switching



RX Mode: Blue light flashes

TX Mode: Red light flashes

Image 3.1: Mode Switching. Blue light indicates Receiver (RX) Mode, Red light indicates Transmitter (TX) Mode.

- **Receiver (RX) Mode:** Indicated by a **blue light**. In this mode, the device receives audio wirelessly from a Bluetooth source (e.g., smartphone) and outputs it via the 3.5mm audio jack to a wired audio system.
- **Transmitter (TX) Mode:** Indicated by a **red light**. In this mode, the device takes audio input via the 3.5mm audio jack from a non-Bluetooth source (e.g., TV) and transmits it wirelessly to a Bluetooth receiving device (e.g., Bluetooth headphones).

4. OPERATING MODES

4.1. Transmitter (TX) Mode

Use TX mode to send audio from a non-Bluetooth device to a Bluetooth-enabled audio receiver (like headphones or speakers).

1. Plug the device into a USB port for power.
2. Press the multi-function button to switch to Transmitter Mode. The red light will flash quickly, indicating it is searching for Bluetooth devices.
3. Insert the 3.5mm audio cable into the 3.5mm audio output port of your source device (e.g., TV, projector, MP3

player, PC, CD player, iPod).

4. Turn on your Bluetooth receiving device (e.g., headphones, speaker) and put it into pairing mode.
5. The adapter will automatically connect to your Bluetooth device. Once paired, the red light will flash slowly.

Transmitting Mode



Plug the device into the USB port to supply power, switch to the transmission mode and the red light flashes quickly, and search for Bluetooth receiving device (such as Bluetooth adapter, Bluetooth headset, Bluetooth speaker) .



Insert the 3.5mm audio cable into the 3.5 audio port on the device, and plug the other side into the audio output hole of the TV, projector, mobile phone, tablet, MP3, CD player etc. (or the RCA audio signal output hole of the TV)

Note: Insert it into computer's USB port, no need cable, If there is no sound on the receiving devices, please change computer's sound to sound card output of the computer.



Turn on the bluetooth device to the pairing state, the red light flashes slowly after pairing successfully.

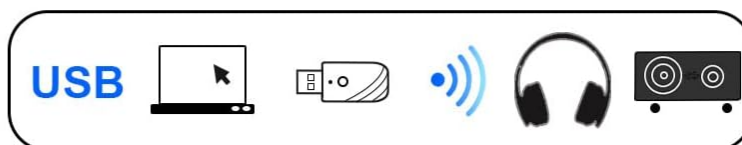
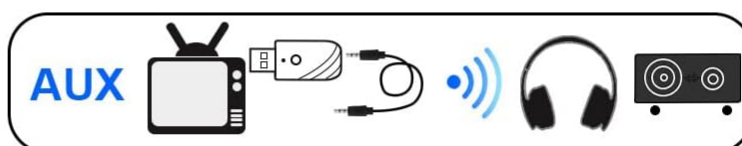


Image 4.1: Transmitter Mode setup for TV audio to Bluetooth headphones/speakers.

Note: If connecting the adapter to a computer's USB port for power and using the 3.5mm audio output, ensure the computer's sound output is directed to its sound card for proper audio transmission.

MORE RELAXED ENJOYMENT

The Simple The powerful



Image 4.2: Enjoying TV audio wirelessly with the adapter in Transmitter Mode.

4.2. Receiver (RX) Mode

Use RX mode to receive audio wirelessly from a Bluetooth-enabled device (like a smartphone) and play it through a wired audio system (like home speakers or car stereo).

1. Plug the device into a USB port for power.
2. Press the multi-function button to switch to Receiver Mode. The blue light will flash quickly, indicating it is ready to pair.
3. Insert the 3.5mm audio cable into the 3.5mm audio input port of your wired audio system (e.g., home speakers, car stereo).
4. On your Bluetooth-enabled source device (e.g., smartphone, tablet, computer), search for Bluetooth devices and select the Vinmoog adapter to pair.
5. Once paired, the blue light will flash slowly, and you can stream audio wirelessly.

RECEIVER MODE

Wirelessly streams audio from your Bluetooth-enabled phone, tablet, or computer to your wired stereo, speakers, or headphones

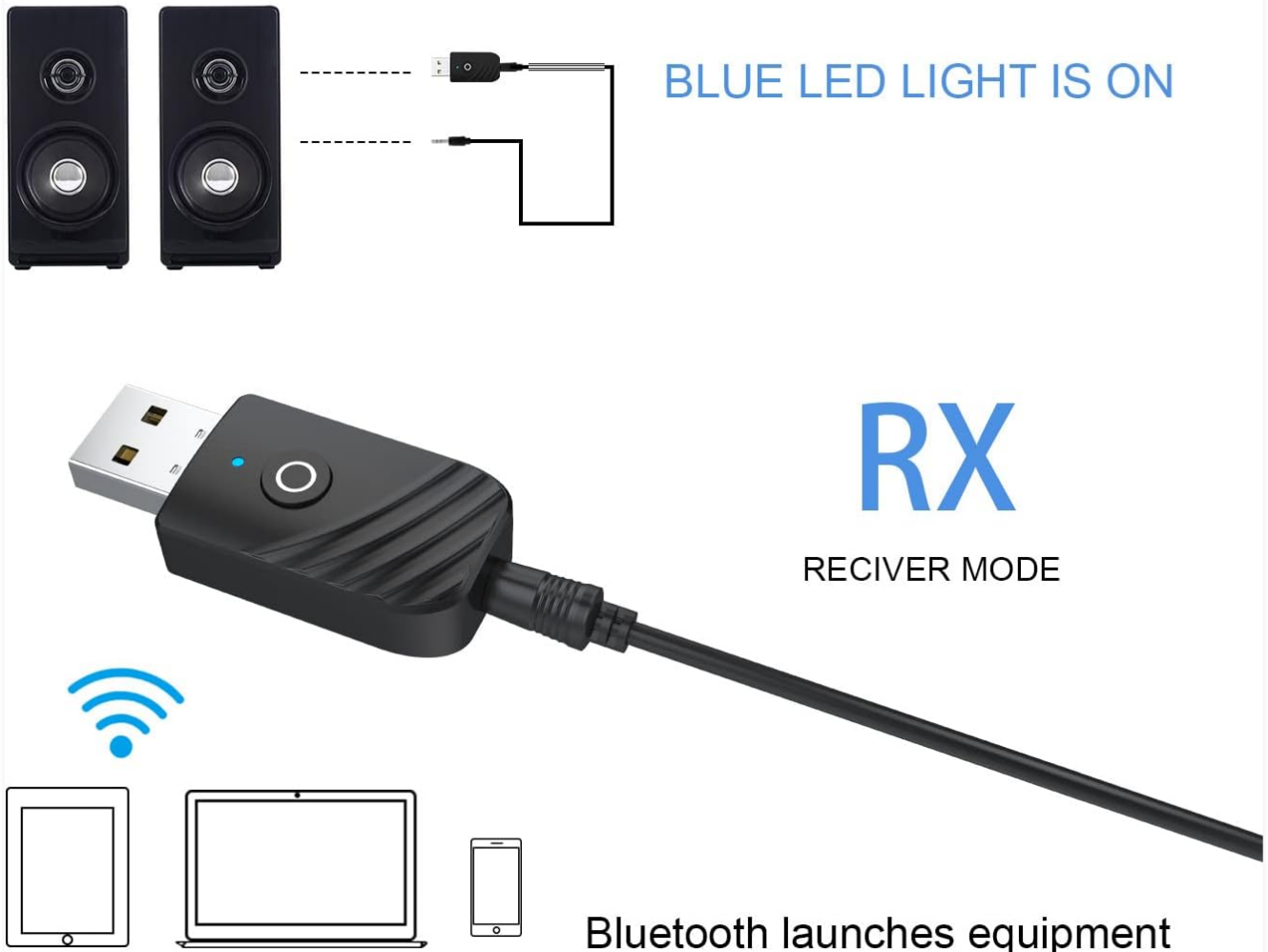


Image 4.3: Receiver Mode setup for streaming audio to wired speakers.

4.3. Car Audio Integration (USB Dongle)

The adapter can be used in your car's USB port to add Bluetooth functionality to your car stereo, allowing you to stream music from your phone or tablet.

USB Dongle

Using car's usb disk port,make it with bluetooth function,
and enjoy the music from your phone or tablet

Note:Different cars have different working principle.If the
music with delay,please change it to aux mode



Image 4.4: Bluetooth adapter in a car's USB port.

Note: Different cars may have varying audio system configurations. If you experience audio delay when using the USB port, try connecting the adapter to the car's AUX input using the 3.5mm cable and powering it via a separate USB charger.

5. MAINTENANCE

The Vinmoog Bluetooth 5.0 USB Audio Transmitter Receiver requires minimal maintenance.

- Keep the device clean and dry. Avoid exposure to liquids or extreme temperatures.
- Do not attempt to disassemble or modify the device, as this will void the warranty.
- Store in a cool, dry place when not in use.

6. TROUBLESHOOTING

If you encounter issues with your Vinmoog Bluetooth adapter, please refer to the following common solutions:

- **No Sound in Receiver Mode:** Ensure the 3.5mm audio cable is securely connected to both the adapter and the audio input of your wired speaker system. Verify that your source device (e.g., smartphone) is paired and playing audio. Check the volume levels on both your source device and the speaker system.
- **No Sound in Transmitter Mode:** Ensure the 3.5mm audio cable is securely connected to both the adapter and the audio output of your source device (e.g., TV). Verify that your Bluetooth receiving device (e.g.,

headphones) is paired and its volume is up. If using with a computer, confirm that the computer's sound output is correctly directed to its sound card output.

- **Connection Instability or Frequent Disconnections:** Ensure the adapter is within the 20-meter operating range of your Bluetooth device and there are no significant obstacles. Try re-pairing the devices. Ensure there are no other strong wireless signals causing interference.
- **Audio Delay (Latency):** If you experience noticeable audio delay, especially in car audio setups, try switching to AUX mode if available on your car stereo, or ensure the adapter is connected via the 3.5mm AUX cable rather than solely through a USB port for audio.
- **Device Not Powering On:** Ensure the USB power source is functional and providing sufficient power. Try a different USB port or power adapter.
- **Unable to Pair:** Ensure the adapter is in the correct mode (TX or RX) and its indicator light is flashing rapidly, indicating pairing mode. Make sure your target Bluetooth device is also in pairing mode and within range.

7. SPECIFICATIONS

Detailed technical specifications for the Vinmoog Bluetooth 5.0 USB Audio Transmitter Receiver:

COMPACT AND DURABLE

Small design Is more humanized



USB timely power supply, no need to worry about power failure.

Image 7.1: Device dimensions.

Feature	Specification
Brand	Vinmo oog
Model	B0BDD9JHKY
Bluetooth Version	5.0
Hardware Interface	Bluetooth, USB
Compatible Devices	Smartphones, Tablets, PCs, TVs, Audio Systems
Product Dimensions	45L x 20W x 10H mm (approx. 1 x 1 x 1 cm)
Item Weight	10 g
Data Transfer Rate	2 Megabits per second
Data Link Protocol	Bluetooth, USB
Color	Black
Power Source	USB Powered (No batteries required)
UPC	745551748123

8. WARRANTY AND SUPPORT

The Vinmo oog Bluetooth 5.0 USB Audio Transmitter Receiver comes with a**24-month warranty** from the date of purchase.

For any technical assistance, troubleshooting not covered in this manual, or warranty claims, please contact the seller directly through your purchase platform. Provide your order number and a detailed description of the issue for prompt support.

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