

Golvery B25

Golvery USB Bluetooth 5.0 Audio Transmitter Adapter User Manual

Model: B25

Brand: Golvery

INTRODUCTION

The Golvery USB Bluetooth 5.0 Audio Transmitter Adapter (Model B25) is designed to provide high-quality wireless audio transmission from various devices such as PCs, PS4 consoles, Mac computers, TVs, and Nintendo Switch systems to Bluetooth headphones or speakers. This adapter supports Bluetooth 5.0 for stable connections and can pair with up to two headphones simultaneously, aiming to minimize lip-sync delay for an enhanced audio experience. It is specifically an audio adapter, not a general-purpose Bluetooth data dongle.

PACKAGE CONTENTS

- Golvery USB Bluetooth 5.0 Audio Transmitter Adapter (Model B25)
- External Antenna
- User Manual (this document)
- 3.5mm Audio Cable (for TV/Aux connections)

PRODUCT OVERVIEW



Figure 1: Galvery USB Bluetooth 5.0 Audio Transmitter Adapter with its external antenna attached.

The adapter features a USB-A connector for power and data, an external antenna port for improved range, and a multi-function button for pairing. A blue LED indicator shows the device's status.

SETUP GUIDE

1. Connecting the Adapter

Before use, ensure the external antenna is securely screwed into the adapter's antenna port.

For PC/Laptop:

PLUG & PLAY ON PC/LAPTOP



Figure 2: The Golvery adapter connected to a laptop, demonstrating its plug-and-play functionality for PC/Laptop use.

Plug the Golvery adapter directly into an available USB port on your PC or laptop. The device is designed for plug-and-play operation, meaning no specific drivers are typically required for basic audio functionality on Windows 10 or macOS. Once connected, your computer will recognize it as a USB audio device.

For PS4 / Nintendo Switch:

PERFECT FOR GAME PS4 / NINTENDO SWITCH WIRELESS GAMING

NOTE: 3.5MM MIC is required for voice chat need.(Need purchase separately)



Figure 3: The Golvery adapter connected to a PS4 console and a Nintendo Switch dock, illustrating its use for wireless gaming audio.

Plug the adapter into an available USB port on your PS4 console or Nintendo Switch dock. For voice chat functionality on these platforms, a separate 3.5mm microphone is required and must be purchased separately. The adapter primarily handles audio output.

For TV with 3.5mm AUX Out:

ADD BIUETOOTH TO TV THAT WITH 3.5MM AUX OUT

Enjoy TV entertainment with great sound quality and no lip-sync audio delay



Figure 4: Setup diagram for connecting the Golvery adapter to a TV using both USB for power and a 3.5mm AUX cable for audio input.

Connect the adapter to a USB port on your TV for power. Then, use the provided 3.5mm audio cable to connect the TV's 3.5mm AUX output to the adapter's 3.5mm input port. This configuration allows the adapter to receive audio from your TV and transmit it wirelessly to Bluetooth headphones or speakers.

2. Pairing with Bluetooth Devices

Once the adapter is powered on and connected to your source device:

1. Put your Bluetooth headphones or speakers into pairing mode. Refer to your audio device's manual for specific instructions on how to enter pairing mode.
2. On the Golvery adapter, press and hold the main button (Multi-Function Button) until the LED indicator starts flashing rapidly, indicating it is in pairing mode.
3. Place your Bluetooth audio device close to the Golvery adapter. They should automatically connect within a few seconds. The LED indicator on the adapter will change to a solid blue light once successfully paired.
4. To pair a second set of headphones/speakers, repeat steps 1-3. The adapter can connect to two Bluetooth audio devices simultaneously.

Pair to Bluetooth Headphones or Speakers Only



Figure 5: The Golvery adapter is designed to pair exclusively with Bluetooth headphones or speakers for audio transmission.

Important Note: This adapter is designed exclusively for transmitting audio to Bluetooth headphones or speakers. It is not a general-purpose Bluetooth dongle for connecting other Bluetooth devices like keyboards, mice, or game controllers. It functions as a USB audio adapter that uses Bluetooth for its output.

OPERATING INSTRUCTIONS

Audio Playback

Once paired, audio from your connected source device (PC, PS4, Switch, TV) will be transmitted wirelessly to your Bluetooth headphones or speakers. Ensure the Golvery adapter is selected as the default audio output device in your system settings (e.g., Sound settings on PC).

Voice Chat (for PS4/Switch)

For voice chat functionality on PS4 or Nintendo Switch, a separate 3.5mm microphone is required. Connect the microphone to the appropriate port on your console/device, and ensure it is configured as the input device in your system's audio settings.

Understanding the Adapter's Function

COMPARISON BETWEEN B25 WITH USB BLUETOOTH DONGLE



VS



<p>Add Bluetooth to PC, Game Consoles (PS4, Nintendo Switch), TV for HIGH QUALITY AUDIO transmission</p>	<p>DESIGNED TO</p>	<p>Add Bluetooth to PC for AUDIO & DATA transmission</p>
<p>Bluetooth headphones/speakers</p>	<p>PAIR WITH DEVICES</p>	<p>Bluetooth headphones/speakers, Bluetooth keyboard, Bluetooth mouse, Bluetooth controller</p>
<p>Class 2 Bluetooth standard, >10m (with Extra Antenna)</p>	<p>BLUETOOTH RANGE</p>	<p>Class 2 Bluetooth standard, 10m</p>
<p>CD Like (APT-X Codec)</p>	<p>AUDIO QUALITY</p>	<p>Normal(SBC Codec)</p>
<p>Great-40ms low latency (By pairing with aptX LL supported headphones)</p>	<p>AUDIO DELAY</p>	<p>Noticeable audio delay</p>
<p>No, Plug n Play</p>	<p>IF DRIVER NEEDED</p>	<p>Mostly Yes(driver-free on win10 pc)</p>
<p>Double click the MFB button to get it enter pairing status then pair with Bluetooth headphones or speaker</p>	<p>HOW TO USE ON PC</p>	<p>Click the Bluetooth icon on taskbar to search and connect Bluetooth devices nearby.</p>

Figure 6: A comparison highlighting the differences in design and functionality between the Golvery B25 audio transmitter and a typical USB Bluetooth data dongle.

The Golvery B25 is optimized for high-quality audio transmission with low latency (especially with aptX LL supported headphones). Unlike standard Bluetooth dongles that handle both audio and data, the B25 focuses solely on audio, providing a more dedicated and often superior audio experience. It typically does not require driver installation and operates as a "plug and play" audio device.

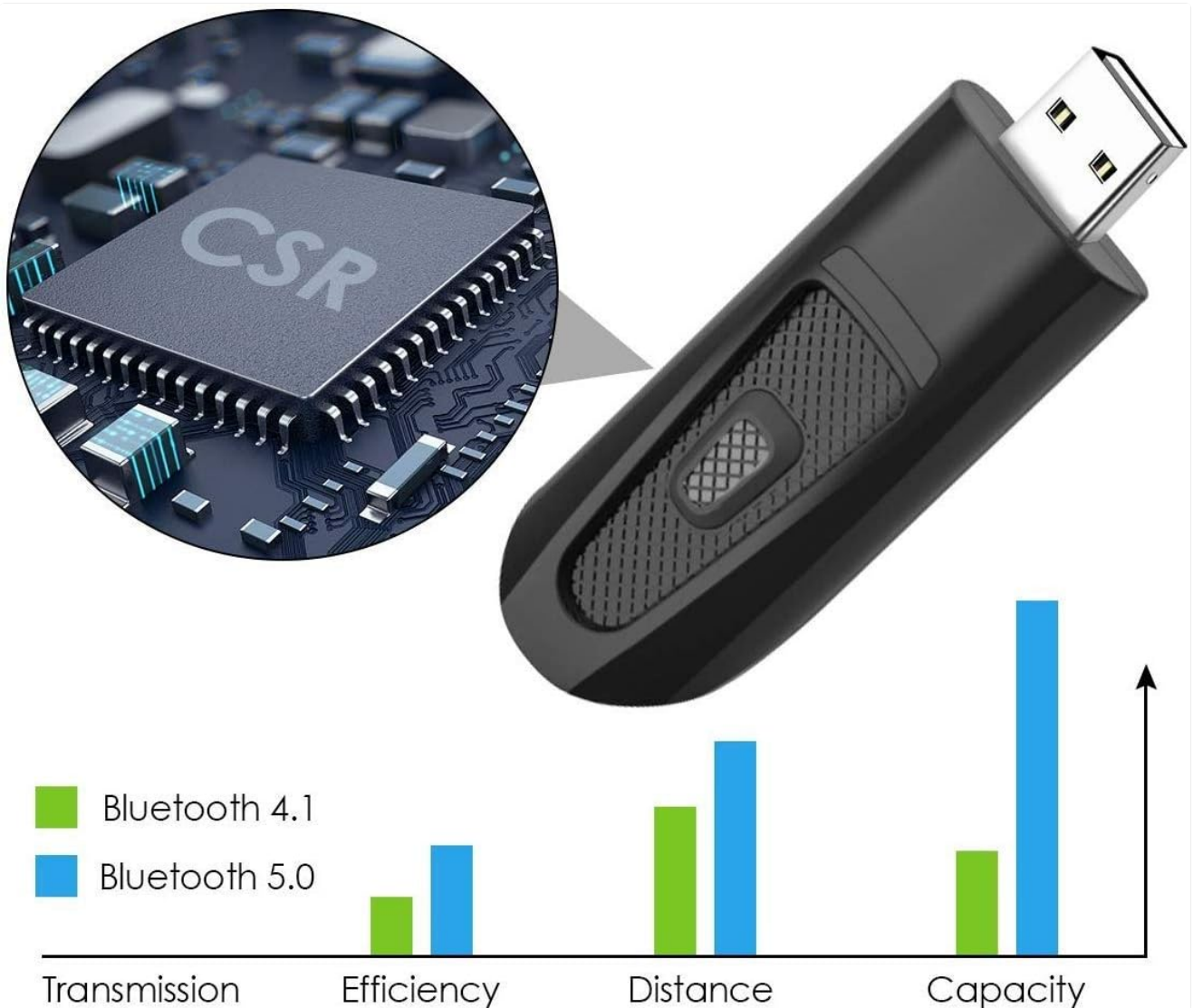


Figure 7: Performance comparison between Bluetooth 4.1 and Bluetooth 5.0, illustrating the improvements in transmission speed, efficiency, range, and data capacity offered by Bluetooth 5.0.

Leveraging Bluetooth 5.0 technology, the B25 offers enhanced transmission efficiency, greater connection distance, and increased capacity compared to older Bluetooth versions, contributing to a more robust and reliable wireless audio link.

MAINTENANCE

To ensure the longevity and optimal performance of your Golvery USB Bluetooth 5.0 Audio Transmitter Adapter:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid dropping the device or subjecting it to strong impacts.
- Ensure the external antenna is not bent or damaged, as this can affect signal range.

TROUBLESHOOTING

Problem	Possible Cause / Solution

Problem	Possible Cause / Solution
No sound or intermittent audio.	<p>Ensure the adapter is securely plugged into the USB port.</p> <p>Verify that the adapter is selected as the default audio output device in your computer's or console's sound settings.</p> <p>Check if your Bluetooth headphones/speakers are powered on and fully charged.</p> <p>Re-pair the Bluetooth device with the adapter.</p> <p>If connected to a TV via AUX, ensure the 3.5mm cable is properly connected and the TV's audio output is set correctly.</p>
Cannot pair Bluetooth headphones/speakers.	<p>Ensure both the adapter and your audio device are in pairing mode (flashing lights).</p> <p>Move the devices closer to each other.</p> <p>Turn off and on both the adapter and your Bluetooth device, then try pairing again.</p> <p>Ensure your Bluetooth device is not already connected to another device. Disconnect it if necessary.</p>
Audio delay (lip-sync issues).	<p>While the adapter supports low latency (aptX LL), your headphones/speakers must also support aptX LL for the best performance. Check your audio device's specifications.</p> <p>Reduce the distance between the adapter and your audio device, and minimize obstacles.</p> <p>Ensure no other wireless devices are causing interference.</p>
Adapter not recognized by PC/console.	<p>Try plugging the adapter into a different USB port.</p> <p>Restart your PC or console.</p> <p>Ensure your operating system is up to date.</p>

SPECIFICATIONS

Feature	Detail
Product Model	B25
Bluetooth Version	Bluetooth 5.0
Dimensions	3.94 x 1.97 x 0.79 inches
Item Weight	2.39 ounces
Manufacturer	JTKJ
First Available Date	May 23, 2019
Connectivity	USB-A, 3.5mm AUX In
Supported Devices	PC, PS4, Mac, TV (with 3.5mm AUX out), Nintendo Switch
Audio Codec Support	CD-Like (aptX Codec), aptX LL for low latency (with compatible headphones)
Simultaneous Connections	Supports pairing with 2 headphones/speakers simultaneously

WARRANTY AND SUPPORT

Information regarding specific warranty terms and customer support contact details for the Golvery USB Bluetooth 5.0 Audio Transmitter Adapter is not available in the provided product data. Please refer to the product packaging or the manufacturer's official website for the most current warranty and support information.

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

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