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Beeitzie B101 Pro

Beeitzie Pro Bluetooth Transmitter Receiver

Model: B101 Pro

User Manual

1. INTRODUCTION

Thank you for choosing the Beeitzie Pro Bluetooth Transmitter Receiver. This 2-in-1 device is designed to enhance your audio experience by providing seamless wireless connectivity for a wide range of devices. Whether you need to transmit audio from non-Bluetooth sources to your wireless headphones or receive audio wirelessly on your wired speakers, the B101 Pro offers versatile solutions with advanced Bluetooth 5.4 and Qualcomm chip technology. This manual provides detailed instructions on how to set up, operate, and maintain your device to ensure optimal performance.

2. PRODUCT OVERVIEW

The Beeitzie Pro Bluetooth Transmitter Receiver is a compact and versatile audio adapter. It features a durable metal frame and supports both Transmitter (TX) and Receiver (RX) modes.



Figure 2.1: Beeitzie Pro Bluetooth Transmitter Receiver. This image displays both the white and black versions of the Beeitzie Pro

Bluetooth Transmitter Receiver, along with a dual 3.5mm adapter, highlighting the product's compact design and included accessories.

2.1 Components and Controls (Black Model)



Figure 2.2: Product Diagram of Black Beeitzie Bluetooth Adapter. This diagram labels the key components of the black Beeitzie adapter, including the AUX Output Port, Bluetooth 1/2 indicators, Rainbow Light, Power Button, Battery Indicator Light, Light Mode Switching Key, and Type-C 5V Charging Port. It also shows the included User Manual, Charging Cable, RCA Audio Cable, and Dual 3.5mm Male to Female Adapter.

2.2 Components and Controls (White Model)

Product Diagram



Figure 2.3: Product Diagram of White Beeitzie Bluetooth Adapter. This diagram labels the key components of the white Beeitzie adapter, including the 3.5mm AUX Cable, Next Song/Volume Up button, MFB Button, Built-in Mic, Lanyard Holes, Charging Indicator, Type-C Charging Port, Reset Button/Pairing Button, LED Indicator, and Previous Song/Volume Down button. It also shows the included User Manual, Charging Cable, 3.5mm Audio Female Plug, RCA Audio Cable, and Lanyard.

2.3 Package Contents

- Beeitzie Pro Bluetooth Transmitter Receiver (White or Black model)
- User Manual
- USB-C Charging Cable
- 3.5mm AUX Audio Cable
- RCA Audio Cable
- Dual 3.5mm Male to Female Adapter (for airplane use)
- Lanyard (for white model)

3. SETUP AND CONNECTION

The Beeitzie Pro can operate in two modes: Transmitter (TX) and Receiver (RX). Ensure the device is fully charged before first use.

3.1 Charging the Device

Connect the provided USB-C charging cable to the Type-C charging port on the device and the other end to a 5V USB power adapter (not included). The charging indicator light will show charging status. A full charge takes approximately 2 hours and provides up to 26 hours of use.

To check remaining battery power, double-click the power button. One light indicates 25% charge.

3.2 Transmitter (TX) Mode Setup

In TX mode, the device transmits audio from a non-Bluetooth source (e.g., TV, PC, airplane entertainment system) to your Bluetooth headphones or speakers.

1. **Switch to TX Mode:** Ensure the device is in TX mode (indicated by the TX light).
2. **Connect to Audio Source:** Plug the 3.5mm AUX cable into the device's AUX port and the other end into the audio output jack of your source device (e.g., TV headphone jack, airplane audio jack). For airplane entertainment systems with dual 3.5mm jacks, use the included dual 3.5mm male to female adapter.

Compatible With Two Different Types Of Plugs Simultaneously



Qualcomm® aptX
Low Latency





One single 3.5mm jack



One dual 3.5mm jack

Figure 3.1: Compatible with Single and Dual 3.5mm Jacks. This image illustrates how the Beeitzie adapter can be connected to both single 3.5mm audio jacks (like on a tablet) and dual 3.5mm airplane audio jacks using the provided adapter, enabling

wireless audio transmission to AirPods or other Bluetooth headphones.

3. **Enter Pairing Mode:** The device will automatically enter pairing mode (LED indicator will flash).
4. **Pair with Headphones/Speakers:** Put your Bluetooth headphones or speakers into pairing mode. The Beeitzie Pro will automatically search and connect. Once connected, the LED will turn solid.
5. **Dual Connection (TX Mode):** The device supports connecting to two Bluetooth headphones/speakers simultaneously for shared listening. After connecting the first device, put the second device into pairing mode, and the Beeitzie Pro will connect to it. A slight delay of around 200ms may occur when using dual connections.



Figure 3.2: Dual Connection in TX Mode. This image demonstrates the Beeitzie adapter in Transmitter (TX) mode, allowing two individuals to simultaneously listen to audio from a television using separate Bluetooth headphones, enabling shared high-quality stereo sound.

Two can wirelessly watch movies on any tablet with up to two pairs of AirPods or wireless headphones



Figure 3.3: Shared Listening for Children. This image shows two children in a car, each wearing wireless headphones, wirelessly watching movies on a tablet connected to the Beeitzie adapter in TX mode, illustrating the convenience of dual headphone support for shared entertainment.

3.3 Receiver (RX) Mode Setup

In RX mode, the device receives audio from a Bluetooth-enabled source (e.g., smartphone, tablet) and transmits it to a non-Bluetooth audio system (e.g., car stereo, home stereo, wired headphones).

1. **Switch to RX Mode:** Ensure the device is in RX mode (indicated by the RX light).
2. **Connect to Audio System:** Plug the 3.5mm AUX cable into the device's AUX port and the other end into the AUX input of your car stereo, home stereo, or wired headphones. If your audio system uses RCA inputs, use the provided RCA audio cable.
3. **Enter Pairing Mode:** The device will automatically enter pairing mode (LED indicator will flash).
4. **Pair with Phone/Tablet:** On your smartphone or tablet, enable Bluetooth and search for "Beeitzie Pro" (or similar name). Select it to connect. Once connected, the LED will turn solid.

Connect Your Phone to Boat Stereo to Stream Music

RX

Qualcomm®
aptX™ HD 



Figure 3.4: Connecting Phone to Boat Stereo in RX Mode. This image shows the Beeitzie adapter in Receiver (RX) mode, connected to a boat's stereo system, allowing a smartphone to wirelessly stream music to the boat's speakers, leveraging aptX HD for high-quality audio.

4. OPERATING THE DEVICE

4.1 Power On/Off

- **Power On:** Press and hold the Power Button (or MFB Button on white model) for 3 seconds until the indicator light turns on.
- **Power Off:** Press and hold the Power Button (or MFB Button on white model) for 3 seconds until the indicator light turns off.

4.2 Mode Switching

The device has a dedicated switch or button to toggle between Transmitter (TX) and Receiver (RX) modes. Refer to the product diagram for your specific model.

4.3 Pairing and Reconnection

- **Pairing:** When powered on and in the selected mode (TX/RX), the device will automatically enter pairing mode if no previously paired device is found. The LED will flash.
- **Reconnection:** The device will automatically attempt to reconnect to the last paired device when powered on.
- **Force Pairing Mode/Reset:** If you need to pair with a new device or reset connections, press the Reset Button/Pairing Button (on white model) or hold the Power Button for 5 seconds (on black model) to enter pairing mode.

4.4 Audio Codec Support

The Beeitzie Pro supports aptX-Adaptive and aptX-Low Latency for high-quality audio transmission with minimal delay. Ensure your connected device also supports aptX for optimal performance.

4.5 Usage Scenarios



Figure 4.1: Diverse Usage Scenarios. This image illustrates various applications for the Beeitzie Bluetooth adapter, including use during air travel (connecting to in-flight entertainment), at the gym (connecting to exercise equipment), with a television (for private listening), and with an iPad (for shared audio with children).

- **Air Travel:** Connect to airplane entertainment systems to use your wireless headphones.

- **Home Entertainment:** Transmit audio from your TV or PC to Bluetooth headphones for private listening.
- **Gym Equipment:** Connect to treadmills or other gym equipment with a 3.5mm jack.
- **Car/Home Stereo:** Receive Bluetooth audio from your phone to play through non-Bluetooth car or home stereo systems.
- **Gaming:** Connect to game consoles (with 3.5mm output) to use Bluetooth headphones.

5. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. The metal frame provides durability, but excessive force can cause damage.
- **Battery Care:** To prolong battery life, avoid fully discharging the device frequently. Charge it regularly, even if not in use for extended periods.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device won't power on.	Low battery.	Charge the device for at least 30 minutes.
Cannot pair with headphones/speakers.	Device not in pairing mode; headphones/speakers not in pairing mode; too many devices connected.	Ensure both devices are in pairing mode. Reset the Beeitzie Pro and try again. Disconnect other Bluetooth devices.
No audio or poor audio quality.	Incorrect cable connection; volume too low; incompatible audio codec; interference.	Check all cable connections. Increase volume on both devices. Ensure your receiving device supports aptX for best quality. Move away from sources of interference.
Dual connection has slight delay.	Normal operation for dual connections.	A slight delay of around 200ms is expected when using dual connections. This is normal.
Device disconnects frequently.	Out of range; low battery; interference.	Keep devices within 10 meters. Charge the device. Reduce interference from other wireless devices.

7. SPECIFICATIONS

Feature	Detail
Model	B101 Pro
Bluetooth Version	Bluetooth 5.4
Chipset	Qualcomm Chip
Supported Codecs	aptX-Adaptive, aptX-Low Latency (aptX HD for RX mode if supported by source)
Operating Modes	Transmitter (TX), Receiver (RX)

Feature	Detail
Battery Life	Up to 26 hours (on full charge)
Charging Time	Approx. 2 hours
Charging Port	USB Type-C
Connection Range	Over 10 meters (33 feet)
Material	Metal frame
Compatible Devices	Laptop, Smart TV, Desktop, Tablet, Headphone, Smartphone, Speaker, Game Console

8. WARRANTY AND SUPPORT

Beeitzie products are designed for reliability and performance. For any issues or questions regarding your Beeitzie Pro Bluetooth Transmitter Receiver, please contact our customer support.

- **Customer Support:** Refer to the contact information provided on the product packaging or the official Beeitzie website.
- **Warranty:** Please refer to the warranty information provided at the time of purchase or on the official Beeitzie website for details regarding warranty coverage and terms.