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1Mii B03Pro

1Mii B03Pro Bluetooth Audio Adapter User Manual

Model: B03Pro

Brand: 1Mii

1. PRODUCT OVERVIEW

The 1Mii B03Pro is a multi-functional Bluetooth audio adapter designed to enhance your audio experience. It can operate in three distinct modes: Transmitter (TX), Receiver (RX), and Bypass. This device allows you to wirelessly stream audio from non-Bluetooth devices to Bluetooth headphones/speakers, or receive Bluetooth audio on your traditional wired audio systems. It also features a bypass mode for simultaneous wired and wireless audio output.



Figure 1: The 1Mii B03Pro Bluetooth Audio Adapter, showcasing its compact design and dual antennas for enhanced signal.

一台三役(ESS9018内蔵)とBluetooth5.3

Bluetooth5.3オーディオ送/受信機/DACコンバーター

Bluetoothレシーバーモード (RX)



Bluetoothトランスミッターモード (TX)



DACバイパスモード(Bypass)



Figure 2: Operational modes of the 1Mii B03Pro. It functions as a Bluetooth receiver (RX) for phones/tablets to speakers, a Bluetooth transmitter (TX) for PCs/TVs to headphones/speakers, and a DAC bypass mode for TVs to soundbars.

2. KEY FEATURES

- **Three-in-One Functionality:** Operates as a Bluetooth transmitter, receiver, and bypass device, offering versatile audio solutions.
- **High-Fidelity Audio:** Equipped with a 9018K2M DAC chip, supporting up to 384kHz/32bit sampling rate and a Signal-to-Noise Ratio (SNR) of 121dB for exceptional sound quality.
- **Advanced Bluetooth 5.3 Technology:** Ensures faster and more stable connections. Supports a wide range of codecs including Qualcomm aptX HD, aptX Low Latency, aptX Adaptive, aptX, SBC, and AAC.
- **Wide Compatibility:** Compatible with various devices such as old speakers, TVs, wired headphones, home audio systems, mobile phones, MP3/MP4 players, laptops, power amplifiers (PA), computers, and car speakers. Supports AUX, RCA, and Optical Digital inputs/outputs.
- **Ultra-Long Wireless Range:** Achieves an impressive outdoor range of up to 80m (without obstructions) and an

indoor range of up to 35m, allowing freedom of movement without losing audio quality.

- **Wired and Wireless Splitter:** In TX mode, it can simultaneously stream audio to wireless headphones and a wired soundbar, allowing different volume levels for various listening needs. Note: This function works only when input/output types are the same (e.g., AUX in to AUX out, Optical in to Optical out).



Figure 3: Detail of the 1Mii B03Pro highlighting the integrated ESS SABRE9018K2M DAC chip, ensuring high-quality audio processing.



Figure 4: Overview of supported Bluetooth codecs including aptX HD, aptX Adaptive, aptX Low Latency, and SBC, with their respective bitrates.

強い電波、広いカバレッジ

戸外で最大80m (遮蔽がない場合)
屋内で最大35m



Figure 5: The B03Pro's extended wireless range, allowing users to move freely within their home (up to 35m indoors) while maintaining a stable audio connection.

3. SETUP

3.1 Connecting to Power

Connect the 1Mii B03Pro to a power source using the provided USB cable and a 5V DC power adapter (not included). The device will power on automatically.

3.2 Mode Selection

The B03Pro has a switch on the top to select between TX (Transmitter), RX (Receiver), and Bypass modes. Ensure the switch is set to the desired mode before connecting your audio devices.



Figure 6: Front and rear views of the 1Mii B03Pro, showing the mode switch, pairing button, volume controls, power button, and various input/output ports (3.5mm AUX, Optical, RCA, DC power).

3.3 Transmitter (TX) Mode Setup

In TX mode, the B03Pro transmits audio from a non-Bluetooth source (e.g., TV, PC) to Bluetooth headphones or speakers.

1. Set the mode switch to 'TX'.
2. Connect your audio source (e.g., TV, PC) to the B03Pro's input port (Optical, AUX, or RCA) using the appropriate cable.
3. Put your Bluetooth headphones/speakers into pairing mode.
4. Press the pairing button on the B03Pro. The indicator light will flash, indicating it's searching for devices.
5. Once connected, the indicator light will become solid.



Figure 7: Using the B03Pro in Transmitter (TX) mode to stream TV audio wirelessly to Bluetooth headphones. Note: When connecting two headphones simultaneously, aptX LL is not supported and the codec will switch to aptX.

3.4 Receiver (RX) Mode Setup

In RX mode, the B03Pro receives Bluetooth audio from your phone/tablet and outputs it to a wired audio system (e.g., home stereo, wired speakers).

1. Set the mode switch to 'RX'.

2. Connect the B03Pro's output port (AUX or RCA) to your wired audio system's input using the appropriate cable.
3. Enable Bluetooth on your phone/tablet and search for '1Mii B03Pro'.
4. Select '1Mii B03Pro' to pair. Once connected, the indicator light will become solid.



Figure 8: The B03Pro in Receiver (RX) mode, allowing wireless audio streaming from a tablet to traditional wired speakers.

3.5 Bypass Mode Setup

Bypass mode allows you to pass audio directly through the B03Pro to a wired system while simultaneously transmitting it wirelessly to Bluetooth devices. This is useful for sharing TV audio with both wired speakers and wireless headphones.

1. Set the mode switch to 'Bypass'.
2. Connect your audio source (e.g., TV) to the B03Pro's input port (Optical, AUX, or RCA).
3. Connect the B03Pro's output port (Optical, AUX, or RCA) to your wired audio system (e.g., soundbar).
4. Pair your Bluetooth headphones/speakers as described in TX mode setup.
5. Ensure the input and output cable types are the same (e.g., Optical In to Optical Out).

テレビに接続する方法

出カインタフェースを選択してください

送信機モードではテレビ出力インターフェースを選択してB03Sに接続します。B03SはRAC-AUX、AUX-AUX、光デジタル入力をサポートしている。テレビ出力接続を選択するだけです。

TVオーディオの設定方法

光学設定

光学的または同軸的な出力を持つテレビを接続する場合は、オーディオフォーマットがPCMまたはステレオに設定されていることを確認してください。Dolby/DTSはサポートされていません。

バイパスモードの使用法

バイパスモード使用時の注意点

「3.5mm入力」と「3.5mm出力」が一致していることを確認します

「Optical入力」と「Optical出力」が一致していることを確認します

注意:入力/出力には必ず同じタイプのケーブルを使用してください。

Figure 9: The B03Pro in Bypass mode, enabling simultaneous audio output to both wired speakers and Bluetooth headphones from a single source like a TV.

光デジタル設定



Figure 10: Guide for setting up TV audio output, specifically for optical digital connections. Ensure your TV's audio format is set to PCM or Stereo, as Dolby/DTS is not supported.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

Press and hold the power button () for 3 seconds to turn the device on or off.

4.2 Pairing

In TX or RX mode, press the Bluetooth button () to enter pairing mode. The indicator light will flash rapidly. Once connected, it will become solid.

4.3 Volume Control

Use the '+' and '-' buttons on the device to adjust the volume. These controls affect the output volume of the B03Pro.

4.4 Codec Indicator

The B03Pro features indicator lamps to show the active audio codec:

- **LL:** aptX Low Latency
- **HD:** aptX HD
- **aptX:** aptX
- **AD:** aptX Adaptive
- **SBC:** SBC/AAC

5. MAINTENANCE

- Keep the device away from water and excessive moisture.
- Avoid exposing the device to extreme temperatures.
- Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Store the device in a cool, dry place when not in use for extended periods.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio output.	Incorrect mode selected; cables not properly connected; source device volume too low; paired device not connected.	Verify mode switch (TX/RX/Bypass); check all cable connections; increase volume on source and receiving devices; ensure Bluetooth device is paired and connected.
High latency (audio delay).	Receiving device does not support aptX Low Latency/Adaptive; in RX mode (low latency not supported); two devices connected simultaneously in TX mode.	Ensure both B03Pro (in TX mode) and receiving device support aptX LL/Adaptive; use only one receiving device for aptX LL; switch to TX mode for low latency.
Cannot connect to AirPods Pro 2nd Gen or AirPods Max.	Compatibility limitation.	The B03Pro is compatible with original AirPods but not with AirPods Pro 2nd generation or AirPods Max.
Noise/interference when powered by PC USB.	Ground loop noise from shared PC ground.	Use a separate wall adapter for power instead of PC USB.
Codec indicator shows SBC/AAC despite supporting aptX.	Receiving device does not support the desired aptX codec.	Both the B03Pro and the connected Bluetooth device must support the same advanced codec (aptX, aptX HD, aptX LL, aptX Adaptive) for it to be active.

7. SPECIFICATIONS

Feature	Specification
Product Model Number	B03Pro

Feature	Specification
Color	Black
Compatible Items	TV, PC, Speaker, Mobile Phone
Interface	3.5mm Audio, Bluetooth 5
Material	Plastic
Output Wattage	750 milliwatts
Size	B03Pro
Power Source	DC
Voltage	5 Volts (DC)
Connectivity Technology	APTX ADAPTIVE/APTX HD/APTX-LL/APTX/AAC/SBC/Bluetooth 5.3
Special Features	Optical Digital Analog Conversion/3.5mm, Low Latency, ESS DAC Chip, Long Range

8. WARRANTY AND SUPPORT

1Mii products come with a standard manufacturer's warranty. For detailed warranty information, product support, or technical assistance, please visit the official 1Mii website or contact their customer service directly. Keep your purchase receipt for warranty claims.

Contact Information: Please refer to the 1Mii official website or your product packaging for the most up-to-date support contact details.

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Related Documents - B03Pro

	<p>1Mii B03Pro Bluetooth 5.0 Transmitter and Receiver User Manual</p> <p>User manual for the 1Mii B03Pro Bluetooth 5.0 audio transmitter and receiver. Features include aptX HD, Low Latency, ESS DAC, Optical/RCA/AUX connectivity, and dual-link for high-fidelity wireless audio streaming.</p>
	<p>1Mii B03Pro Bluetooth 5.3 Transmitter Receiver: User Manual & Features</p> <p>A comprehensive guide to the 1Mii B03Pro Bluetooth 5.3 transmitter and receiver, detailing its advanced features, technical specifications, connection modes, and operational instructions for seamless wireless audio.</p>
	<p>1Mii B03Pro Wireless Transmitter Receiver User Manual</p> <p>User manual for the 1Mii B03Pro, a 2-in-1 wireless audio transmitter and receiver. Learn how to connect, operate, and troubleshoot your device for seamless audio streaming.</p>



[1Mii B03 Bluetooth 5.3 Transmitter Receiver User Manual](#)

User manual for the 1Mii B03 Bluetooth 5.3 Transmitter Receiver, detailing its features, operation, and troubleshooting for home stereo audio transmission with aptX Low Latency and HD support.



[1Mii ML300 Wireless Transmitter and Receiver 2-in-1 User Manual](#)

User manual for the 1Mii ML300 (Model B0305), a 2-in-1 wireless transmitter and receiver. Features setup instructions, TX/RX modes, Bluetooth pairing, aptX codec support, charging, and troubleshooting.



[1Mii B06TX Bluetooth Transmitter FAQ and Troubleshooting Guide](#)

Frequently asked questions and troubleshooting guide for the 1Mii B06TX Bluetooth Transmitter, covering connection, pairing, sound issues, latency, volume, and more.