

FICEMETOI ZK-PT1

FICEMETOI ZK-PT1 BT 5.0 Audio Receiver Decoder Stereo Tone Board User Manual

Model: ZK-PT1

INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of the FICEMETOI ZK-PT1 BT 5.0 Audio Receiver Decoder Stereo Tone Board. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

SAFETY INFORMATION

- Ensure the power supply voltage (DC 5-24V) matches the device's requirements.
- Do not expose the device to moisture, water, or extreme temperatures.
- Avoid placing the device near strong magnetic fields.
- Handle the circuit board with care to prevent damage to components.
- Disconnect power before making any connections or disconnections.

PRODUCT OVERVIEW

The FICEMETOI ZK-PT1 is a compact Bluetooth 5.0 audio receiver and pre-amplifier board featuring independent treble, bass, and volume controls. It is designed to integrate into various audio systems, providing high-quality audio decoding and tonal adjustment.



Figure 1: FICEMETOI ZK-PT1 Audio Receiver Decoder Board. This image displays the top view of the ZK-PT1 board, highlighting the three control knobs for Treble, Bass, and Volume on the left side. On the right side, the input/output ports are visible, including DC 5-24V power input, LINE-IN audio input, and AUX-OUT audio output. The board is black with white text labels.

Components:

- **Treble Knob:** Adjusts high-frequency audio levels.
- **Bass Knob:** Adjusts low-frequency audio levels.
- **Volume Knob:** Controls the overall audio output level.
- **DC 5-24V Power Input:** Terminal for connecting the power supply.
- **LINE-IN:** Audio input port for wired audio sources.
- **AUX-OUT:** Audio output port for connecting to an amplifier or speakers.
- **Bluetooth 5.0 Module:** For wireless audio reception.

SPECIFICATIONS

Parameter	Value
Model	ZK-PT1

Power Input	DC 5-24V
Bluetooth Version	5.0
Audio Input	Bluetooth, LINE-IN
Audio Output	AUX-OUT
Function	Pre-amplifier with Treble, Bass, and Volume control

SETUP INSTRUCTIONS

- Power Connection:** Connect a DC 5-24V power supply to the "DC 5-24V" input terminals on the board. Ensure correct polarity.
- Audio Output Connection:** Connect the "AUX-OUT" terminals of the ZK-PT1 board to the input of your amplifier or active speakers using appropriate audio cables.
- Audio Input Selection:**
 - Bluetooth Input:** The device will automatically enter Bluetooth pairing mode upon power-up.
 - LINE-IN Input:** Connect your audio source (e.g., smartphone, CD player) to the "LINE-IN" terminals using an audio cable. The device will automatically switch to LINE-IN when a signal is detected.
- Initial Knob Settings:** Before powering on, set the Volume knob to its minimum position. Treble and Bass knobs can be set to their center (neutral) positions.

OPERATING INSTRUCTIONS

- Power On:** Once all connections are secure, apply power to the board. An indicator light (if present) will illuminate.
- Bluetooth Pairing:**
 - On your audio source device (e.g., smartphone), enable Bluetooth and search for available devices.
 - Select "ZK-PT1" from the list of devices to pair. A confirmation sound may be heard upon successful pairing.
- Adjusting Volume:** Slowly rotate the "Volume" knob clockwise to increase the audio output level. Adjust to a comfortable listening level.
- Adjusting Treble:** Rotate the "Treble" knob to increase (clockwise) or decrease (counter-clockwise) the high-frequency response of the audio.
- Adjusting Bass:** Rotate the "Bass" knob to increase (clockwise) or decrease (counter-clockwise) the low-frequency response of the audio.
- Switching Inputs:** The ZK-PT1 automatically prioritizes LINE-IN when a signal is present. To use Bluetooth, ensure no active signal is connected to LINE-IN.

MAINTENANCE

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid using harsh chemicals or abrasive cleaners.
- Store the device in a cool, dry place when not in use for extended periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power indicator light	Incorrect power connection; faulty power supply	Check power supply voltage and polarity. Ensure connections are secure. Test with a different power supply if available.
No audio output	Volume too low; incorrect input selected; faulty audio cables; amplifier/speakers off	Increase volume. Ensure correct input (Bluetooth or LINE-IN) is active. Check audio cable connections. Verify amplifier/speakers are powered on and functioning.
Cannot pair via Bluetooth	Bluetooth not enabled on source device; ZK-PT1 not in pairing mode; too far from source	Ensure Bluetooth is enabled on your device. Power cycle the ZK-PT1 to re-enter pairing mode. Move source device closer to the ZK-PT1. Ensure no LINE-IN signal is active.
Distorted audio	Volume too high; incorrect tone settings; faulty audio source	Reduce volume. Adjust Treble and Bass knobs to neutral positions. Test with a different audio source.

WARRANTY AND SUPPORT

FICEMETOI is committed to providing high-quality products. This product comes with a satisfaction guarantee. If you encounter any issues or have questions regarding the ZK-PT1, please contact our customer support team for assistance. Our knowledgeable team is available to help with any concerns. For support, please refer to the contact information provided at your point of purchase or visit the official FICEMETOI website.