

Generic ZK-1002

ZK-1002 HiFi Digital Amplifier User Manual

Model: ZK-1002 | Brand: Generic

INTRODUCTION

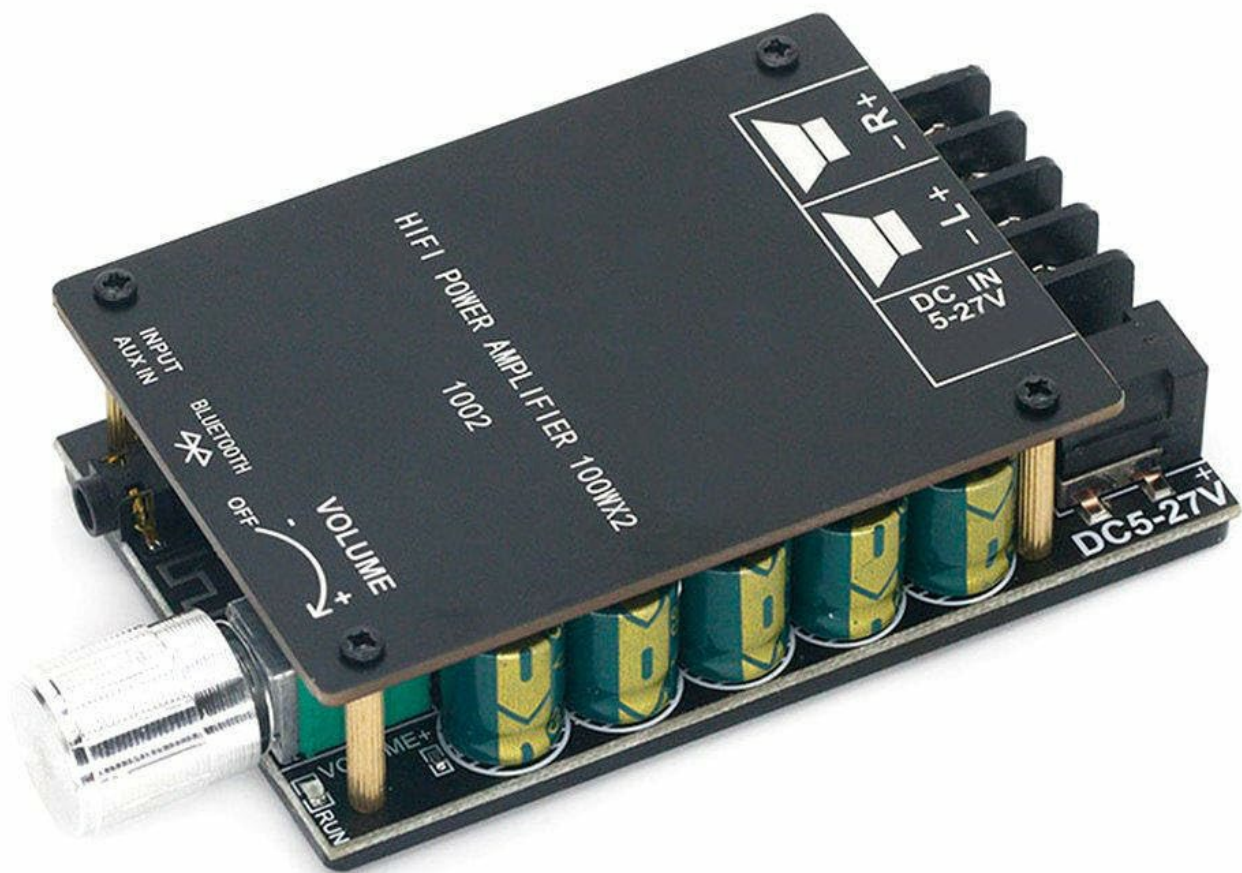
This user manual provides detailed instructions for the operation and maintenance of your ZK-1002 HiFi 100WX2 TPA3116 Bluetooth 5.0 High Power Digital Amplifier Stereo Board. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

SAFETY INFORMATION

- Ensure the power supply voltage is within the specified range (DC 5-27V).
- Do not expose the device to moisture, rain, or extreme temperatures.
- Avoid placing the amplifier in direct sunlight or near heat sources.
- Do not disassemble or modify the amplifier. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Ensure proper ventilation to prevent overheating.

PRODUCT OVERVIEW

The ZK-1002 is a compact and powerful digital amplifier board designed for home theater and audio projects. It features Bluetooth 5.0 connectivity and an AUX input, delivering 100W x 2 channels of high-fidelity stereo sound.



Front view of the ZK-1002 HiFi Digital Amplifier Board, showing the volume knob, input switch, and power/speaker terminals.

PACKAGE CONTENTS

Please check the package for the following items:

- 1 x ZK-1002 Digital Amplifier Board
- 1 x DC Power Cable
- 1 x Small Screwdriver (for terminal connections)



The ZK-1002 amplifier board shown with its included DC power cable and a small screwdriver for easy terminal connections.

SETUP

1. Power Connection

Connect a DC power supply (5-27V) to the "DC IN 5-27V" terminal. Ensure correct polarity (+ and -).

2. Speaker Connection

Connect your passive speakers to the speaker output terminals. The board supports stereo output (Left and Right channels). Ensure correct polarity for each speaker (+ and -).



A detailed view of the ZK-1002 amplifier board, highlighting the DC power input and speaker output terminals for proper wiring.

3. Audio Input Connection

The amplifier supports two audio input methods: Bluetooth and AUX IN.

- **Bluetooth:** Switch the input selector to "Bluetooth". The device will enter pairing mode.
- **AUX IN:** Connect an audio source (e.g., smartphone, MP3 player) to the "AUX IN" jack using a 3.5mm audio cable. Switch the input selector to "AUX IN".

OPERATING INSTRUCTIONS

Power On/Off

The amplifier powers on automatically when a DC power supply is connected. To turn off, disconnect the power supply.

Volume Control

Rotate the "VOLUME" knob clockwise to increase volume and counter-clockwise to decrease volume.

Input Selection

Use the "INPUT" switch to select between "Bluetooth" and "AUX IN" audio sources.

Bluetooth Pairing

1. Switch the input selector to "Bluetooth".
2. On your audio device (e.g., smartphone), enable Bluetooth and search for available devices.
3. Select "ZK-1002" from the list of devices to pair.
4. Once paired, you can stream audio wirelessly to the amplifier.

MAINTENANCE

- Clean the amplifier board with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Ensure the amplifier is disconnected from power before cleaning.
- Keep the ventilation areas clear of dust and debris to maintain optimal performance.

TROUBLESHOOTING

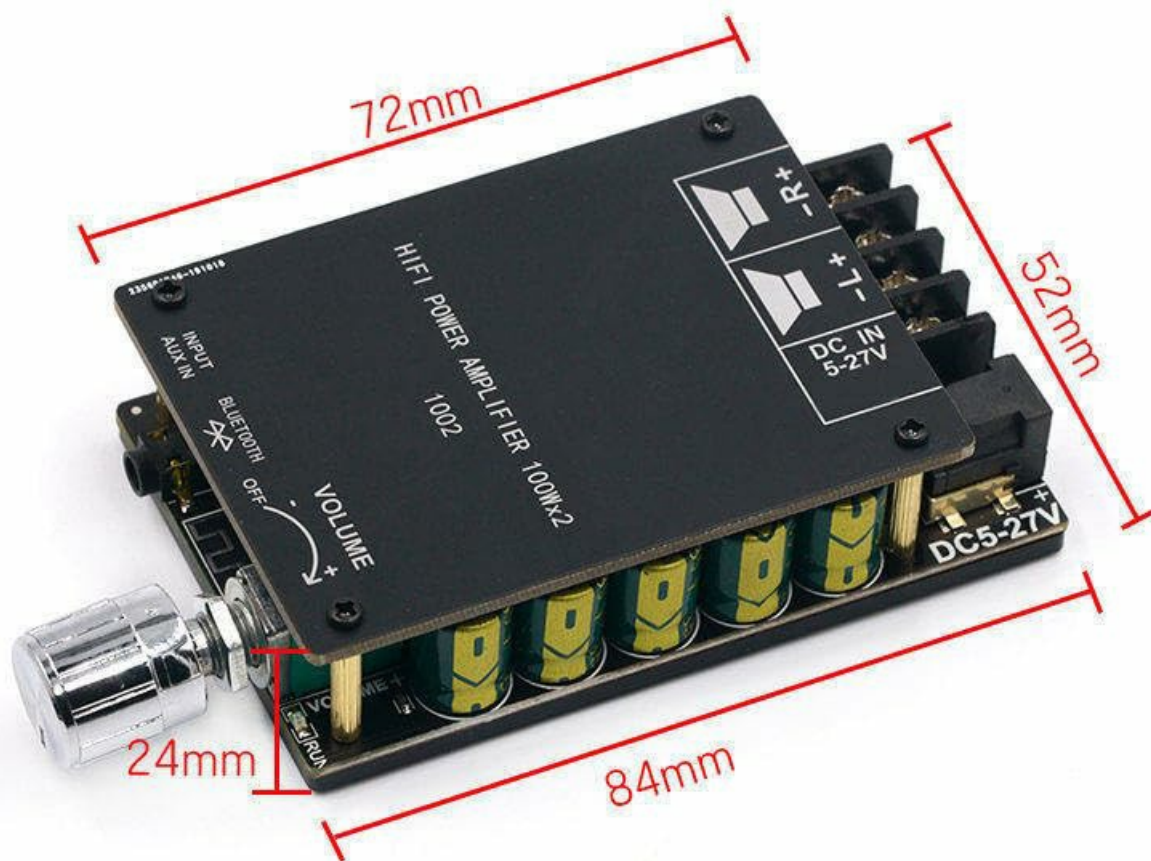
Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none">• Incorrect power connection• Volume too low• Incorrect input selected• Speakers not connected properly• Audio source issue	<ul style="list-style-type: none">• Check DC power supply (5-27V) and polarity.• Increase volume using the knob.• Ensure input switch matches your audio source (Bluetooth/AUX).• Verify speaker wire connections and polarity.• Test with a different audio source or cable.
Bluetooth not pairing	<ul style="list-style-type: none">• Input not set to Bluetooth• Device too far• Bluetooth interference	<ul style="list-style-type: none">• Switch input to "Bluetooth".• Move audio device closer to the amplifier.• Turn off other Bluetooth devices nearby.• Restart both the amplifier (by reconnecting power) and your audio device.
Distorted sound	<ul style="list-style-type: none">• Volume too high• Improper speaker impedance• Poor audio source quality	<ul style="list-style-type: none">• Reduce volume.• Ensure speakers are compatible with the amplifier's output.• Try a different audio source or cable.

SPECIFICATIONS

Feature	Detail
Model Number	ZK-1002
Brand	Generic
Mounting Type	Surface Mount

Feature	Detail
Number of Channels	2
Power Output	100W x 2
Bluetooth Version	5.0
Input Voltage	DC 5-27V
Dimensions (approx.)	84mm x 72mm x 24mm (L x W x H)
Weight (approx.)	137g

weight:137g



The ZK-1002 amplifier board with approximate dimensions indicated, showing its compact size.

WARRANTY AND SUPPORT

This product is covered by a standard manufacturer's warranty. For warranty claims or technical support, please contact your retailer or the manufacturer directly. Please refer to your purchase documentation for specific warranty terms and

contact information.

For further assistance, you may also visit the product page on Amazon.com:<https://www.amazon.com/dp/B0CPCZJCFC>

