

## NONLOTDIO XY-E100L

# User Manual

## NONLOTDIO XY-E100L 2.1 CHANNEL BLUETOOTH AUDIO POWER AMPLIFIER BOARD MODULE

### 1. Introduction

---

This manual provides detailed instructions for the installation, operation, and maintenance of your NONLOTDIO XY-E100L 2.1 Channel Bluetooth Audio Power Amplifier Board Module. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage.

### 2. Safety Information

---

- Ensure the power supply voltage is within the specified range (DC 9-24V).
- Do not expose the module to moisture, water, or extreme temperatures.
- Avoid short-circuiting the output terminals.
- Handle the module with care to prevent damage to electronic components.
- Disconnect power before making any connections or disconnections.

### 3. Package Contents

---

- 1x NONLOTDIO XY-E100L 2.1 Channel Bluetooth Audio Power Amplifier Board Module
- *(Additional accessories may vary based on purchase package)*

### 4. Product Overview

---

The XY-E100L is a 2.1 channel audio amplifier board featuring Bluetooth connectivity, designed to deliver 50W per stereo channel and 100W for a subwoofer. It includes various input and output terminals for versatile audio setups.



Image: The NONLOTDIO XY-E100L amplifier module. Visible features include the DC power input terminal (DC 9-24V), speaker output terminals for left, right, and subwoofer channels, an AUX input, and a master volume control knob. The board clearly indicates its model number 'XY-E100L' and its 2.1 channel, 50W\*2 + 100W output power with Bluetooth compatibility.

## Component Identification

Component	Description
<b>POWER (DC 9-24V)</b>	DC power input terminal. Connect a compatible power adapter.
<b>R&amp;L CHANNEL</b>	Left and Right stereo speaker output terminals.
<b>SUBWOOFER</b>	Subwoofer output terminal.
<b>MASTER VOL</b>	Master volume control knob.
<b>AUX IN</b>	Auxiliary audio input jack.
<b>Bluetooth-Compatible</b>	Indicates support for wireless audio streaming via Bluetooth.

## 5. Setup

### 5.1 Power Connection

1. Ensure the amplifier is turned off or disconnected from power.
2. Connect a DC 9-24V power adapter to the 'POWER' input terminal. Observe correct polarity.

### 5.2 Speaker Connection

1. Connect your left and right passive speakers to the 'R&L CHANNEL' output terminals. Ensure correct polarity (+ to + and - to -).
2. Connect your passive subwoofer to the 'SUBWOOFER' output terminal. Ensure correct polarity.

### 5.3 Audio Input Connection

Choose one of the following methods for audio input:

- **Bluetooth:** Proceed to Section 6.3 for Bluetooth pairing instructions.

- **AUX Input:** Connect an audio source (e.g., smartphone, MP3 player) to the 'AUX IN' jack using a 3.5mm audio cable.

## 6. Operating Instructions

---

### 6.1 Powering On/Off

Once all connections are made, connect the power adapter to a wall outlet. The module will power on automatically. Disconnect the power adapter to power off the module.

### 6.2 Volume Control

Rotate the 'MASTER VOL' knob clockwise to increase the volume and counter-clockwise to decrease it.

### 6.3 Bluetooth Pairing

1. Ensure the amplifier module is powered on.
2. On your audio device (e.g., smartphone), enable Bluetooth and search for available devices.
3. Select 'XY-E100L' from the list of devices to pair.
4. Once paired, audio from your device will be streamed to the amplifier.

### 6.4 AUX Input Usage

When an audio cable is connected to the 'AUX IN' jack, the module will automatically switch to AUX input mode. Disconnect the AUX cable to revert to Bluetooth mode (if a Bluetooth device is paired).

## 7. Maintenance

---

- Keep the module clean and free from dust. Use a soft, dry cloth for cleaning.
- Do not use liquid cleaners or solvents.
- Ensure adequate ventilation around the module to prevent overheating.

## 8. Troubleshooting

---

Problem	Possible Cause	Solution
No sound output.	No power, incorrect speaker connection, low volume, incorrect input source.	Check power supply, verify speaker wiring, increase master volume, ensure correct input (Bluetooth/AUX).
Bluetooth connection fails.	Module not in pairing mode, device too far, interference.	Ensure module is powered on, move device closer, try re-pairing, disconnect other Bluetooth devices.
Distorted audio.	Volume too high, poor audio source quality, incorrect speaker impedance.	Reduce volume, try a different audio source, ensure speakers are compatible with amplifier output.

## 9. Specifications

---

Feature	Specification
---------	---------------

Feature	Specification
Model	XY-E100L
Channels	2.1 (Stereo + Subwoofer)
Output Power	50W x 2 (Stereo) + 100W (Subwoofer)
Power Supply	DC 9-24V
Audio Input	Bluetooth, AUX (3.5mm Jack)
Bluetooth Version	<i>(Not specified, assumed compatible)</i>

## 10. Warranty and Support

---

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.