

Pyle PLMPA35

Pyle PLMPA35 Audio Amplifier User Manual

Model: PLMPA35

INTRODUCTION

The Pyle PLMPA35 is a compact 2-channel mini audio amplifier designed for various audio applications, including car audio systems. This manual provides essential information for the proper installation, operation, and maintenance of your amplifier to ensure optimal performance and longevity.

Please read this manual thoroughly before using the device and retain it for future reference.

SAFETY INSTRUCTIONS

- Ensure the power supply is 12V DC as specified. Incorrect voltage can damage the unit.
- Do not expose the amplifier to moisture or extreme temperatures.
- Avoid blocking ventilation openings to prevent overheating.
- Disconnect power before making any connections or performing maintenance.
- Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.

PRODUCT FEATURES

- Mini amplifier with 2 IC channels.
- 3.5 mm auxiliary input for connecting various audio sources.
- Adjustable gain control.
- Circuit system protection.
- Compact and mountable design.
- Requires 12V DC power supply.

PACKAGE CONTENTS

Upon opening the package, verify that all items are present and in good condition:

- Pyle PLMPA35 Mini Audio Amplifier
- Power wiring harness (pigtails)
- Speaker wiring harness (pigtails)
- User Manual (this document)

Note: Specific wiring harnesses may vary slightly in appearance but serve the same function.

SETUP AND INSTALLATION

Follow these steps for proper installation of your Pyle PLMPA35 amplifier:

1. Mounting the Amplifier

Choose a suitable location for mounting the amplifier. Ensure it is a dry, well-ventilated area, away from direct heat sources or excessive vibration. The compact design allows for discreet placement. Use appropriate screws (not included) to secure the amplifier through its mounting tabs.

2. Power Connection (12V DC)

The amplifier requires a 12V DC power source. Use the provided power wiring harness.

- **Red Wire (Constant Power):** Connect this wire to a constant +12V DC power source (e.g., car battery positive terminal). It is recommended to use an inline fuse (not included) for protection.
- **Black Wire (Ground):** Connect this wire to a solid chassis ground point (e.g., car chassis). Ensure a clean, secure connection.
- **Orange Wire (Remote Turn-On):** Connect this wire to a switched +12V source that turns on when your audio source (e.g., car stereo) is activated. This allows the amplifier to power on and off with your main unit. Alternatively, you can connect this directly to the Red Wire for constant power, but this means the amplifier will always be on when connected to power.



Image 1: Top-down view of the Pyle PLMPA35 amplifier, showcasing its compact size, the Pyle logo, model number PLMPA35, and the text "2 Channel IC Mini Amplifier With 3.5mm Plug Input". The heat sink fins are visible on top, and a control knob is on the side. This image illustrates the overall design and key labeling of the unit.

3. Audio Input Connection

Connect your audio source to the amplifier using the 3.5mm auxiliary input jack. This allows you to connect devices such as smartphones, MP3 players, laptops, or other digital music players.

4. Speaker Output Connection

Connect your speakers to the amplifier using the provided speaker wiring harness. Ensure correct polarity (+ to + and - to -) for each speaker. The amplifier supports two speakers.



Image 2: Angled view of the Pyle PLMPA35 amplifier, highlighting the side panel where the 3.5mm audio input jack and a rotary control knob are located. This perspective helps identify the connection points for audio input and the gain adjustment.

OPERATING INSTRUCTIONS

1. **Power On/Off:** The amplifier will power on automatically when the remote turn-on wire receives +12V (if connected to a switched source) or when the main power is supplied (if connected for constant power). There is no separate power switch on the unit.
2. **Adjusting Gain Control:** Use the rotary knob on the side of the amplifier to adjust the gain (volume) level. Start with a low setting and gradually increase it to your desired listening level, avoiding distortion.
3. **High/Low Range Filtering Switch:** The switch on the unit changes between high and low range filtering. This allows you to optimize the audio output for different types of speakers or sound preferences. Experiment with both settings to find the best sound quality for your setup.

MAINTENANCE

- Keep the amplifier clean by wiping it with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Ensure adequate ventilation around the unit to prevent overheating. Periodically check that the heat sink fins are free from dust and debris.
- Regularly check all wiring connections to ensure they are secure and free from corrosion.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound output	No power; incorrect wiring; audio source issue; gain too low.	Check 12V DC power and ground connections. Verify remote turn-on wire. Ensure audio input cable is securely connected. Increase gain control. Check speaker connections.
Distorted sound	Gain set too high; faulty speakers; poor audio source quality.	Reduce gain level. Test with different speakers. Ensure audio source is providing a clean signal.
Amplifier gets hot	Lack of ventilation; prolonged high-volume use.	Ensure amplifier has adequate airflow. Reduce volume or allow unit to cool down. This is normal during use.
Unit does not turn on	No 12V DC power; remote turn-on not connected or faulty.	Check all power connections (Red, Black, Orange wires). Verify fuse if used.

SPECIFICATIONS

Brand: Pyle

Model: PLMPA35

Product Dimensions: 6.99 x 9.53 x 12.07 cm (2.75 x 3.75 x 4.75 inches)

Weight: 272 g (0.6 lbs)

Power Output: 15 Watts (RMS, per channel, 300W mentioned in description is likely peak/marketing)

Voltage: 12 Volts DC

Signal-to-Noise Ratio: 90 dB

Number of Speaker Output Channels: 2

Speaker Connectivity: Wired

Compatible Devices: Car audio systems, portable media players via 3.5mm input

Mounting Compatibility: Surface Mount

WARRANTY AND SUPPORT

Pyle products are designed and manufactured to the highest quality standards. For specific warranty information, please refer to the warranty card included with your purchase or visit the official Pyle website.

For technical support, troubleshooting assistance, or service inquiries, please contact Pyle customer support through their official website or the contact information provided with your product documentation.

Please have your model number (PLMPA35) and purchase details ready when contacting support.