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> [Pyle PFA300 90 Watt Class-T Hi-Fi Stereo Amplifier User Manual](#)

Pyle PFA300

Pyle PFA300 90 Watt Class-T Hi-Fi Stereo Amplifier User Manual

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Pyle PFA300 90 Watt Class-T Hi-Fi Stereo Amplifier. Please read this manual thoroughly before using the device and retain it for future reference.

SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Always ensure proper ventilation around the amplifier. Do not expose the unit to rain or moisture. Avoid placing heavy objects on top of the amplifier. Disconnect power during electrical storms or when unused for long periods.

PACKAGE CONTENTS

- Pyle PFA300 90-watt Class-T Hi-fi Stereo Amplifier
- 12V AC/DC Power Adapter

PRODUCT FEATURES

- **90 Watt Power Output:** Provides low distortion and acoustically accurate audio reproduction.
- **Customizable Sound:** Features tone and direct switch for bass and treble adjustment.
- **Multiple Device Support:** Connects Android phones, iPhones, iPods, and MP3 players via 3.5mm jack, and other devices via RCA inputs. Includes microphone input.
- **EQ Controls:** Crisp buttons and rotary knob controls for audio adjustment, with a blue LED illuminated volume knob.
- **Built-in Safety Features:** Equipped with shortcut, overload, and overheat protection. Loudspeaker protection circuit prevents high volume bursts.

CONTROLS AND CONNECTIONS

Front Panel

The front panel of the PFA300 amplifier features controls for power, volume, and tone adjustments, along with an auxiliary input.



Image: Front view of the Pyle PFA300 amplifier, showing the Power switch, Tone/Direct switch, Volume knob with blue LED, MP3 input jack, Treble knob, and Bass knob.

1. **POWER Switch:** Toggles the amplifier on or off.
2. **TONE / DIRECT Switch:** Engages or bypasses the tone control circuit. In DIRECT mode, the signal is amplified without bass/treble filtering.
3. **VOLUME Knob:** Adjusts the overall output volume. Features a blue LED illumination.
4. **MP3 Input Jack (3.5mm):** Connects portable audio devices like smartphones or MP3 players.
5. **TREBLE Knob:** Adjusts the high-frequency response.
6. **BASS Knob:** Adjusts the low-frequency response.

Rear Panel

The rear panel provides various input and output connections for your audio system.



Image: Rear view of the Pyle PFA300 amplifier, showing RCA input jacks, Microphone input jack, Speaker wire terminals, and DC 12V power input.

1. **INPUT (RCA L/R):** Connects audio sources such as CD players, DVD players, or other devices with RCA outputs.
2. **MIC Input Jack:** Connects a microphone for karaoke or public address applications.
3. **Speaker Terminals (+/- L/R):** Connects passive speakers. Ensure correct polarity (+ to + and - to -).
4. **DC 12V 2A Power Input:** Connects the included 12V AC/DC power adapter.

SETUP

1. Connecting Speakers

Connect your passive speakers to the speaker terminals on the rear panel. Ensure that the positive (+) terminal on the amplifier connects to the positive (+) terminal on your speaker, and the negative (-) terminal on the amplifier connects to the negative (-) terminal on your speaker. The PFA300 supports speakers with 2-8 ohm impedance.

2. Connecting Audio Source

- **MP3/Auxiliary Input:** Use a 3.5mm audio cable to connect your smartphone, MP3 player, or other portable audio device to the MP3 input jack on the front panel.
- **RCA Inputs:** Use RCA cables to connect audio sources like CD players, DVD players, or other home audio equipment to the L/R RCA input jacks on the rear panel.

3. Connecting Power

Connect the included 12V AC/DC power adapter to the DC 12V 2A power input on the rear panel of the amplifier. Plug the adapter into a standard wall outlet. The blue LED on the volume knob will illuminate when power is supplied and the unit is turned on.



Image: The 12V AC/DC power adapter included with the Pyle PFA300 amplifier.

OPERATING INSTRUCTIONS

1. Powering On/Off

Press the **POWER** switch on the front panel to turn the amplifier on or off. The blue LED around the volume knob indicates the power status.

2. Adjusting Volume

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

3. Using Tone Controls (Treble/Bass) and Direct Mode

Use the **TREBLE** and **BASS** knobs to adjust the high and low frequencies of your audio. For a flat, unfiltered sound, switch the **TONE / DIRECT** switch to the DIRECT position. This bypasses the tone control circuit.

4. Using MP3/Auxiliary Input

Once your portable device is connected to the MP3 input, ensure the amplifier's input source is selected (if applicable, though this model typically auto-detects or prioritizes the active input). Play audio from your device and adjust the volume.

5. Using Microphone Input

Connect a microphone to the **MIC** input jack on the rear panel. Adjust the microphone's volume as needed. Note that this amplifier does not have a dedicated microphone volume control, so the microphone volume will be affected by the main volume knob.

MAINTENANCE

To ensure the longevity and optimal performance of your Pyle PFA300 amplifier, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosols.
- **Ventilation:** Keep the ventilation openings clear of dust and debris to prevent overheating.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place.

TROUBLESHOOTING

If you encounter issues with your Pyle PFA300 amplifier, refer to the following common problems and solutions:

- **No Power:** Ensure the power adapter is securely connected to both the amplifier and a working power outlet. Check the POWER switch position.
- **No Sound:** Verify that the audio source is playing and connected correctly. Check speaker connections for proper polarity and secure fit. Adjust the volume knob.
- **Distorted Sound:** Reduce the volume of the audio source or the amplifier. Check speaker impedance compatibility (2-8Ω). Ensure speaker wires are not frayed or shorting.
- **Tone Controls (Bass/Treble) Not Working:** Ensure the TONE / DIRECT switch is in the TONE position. If the issue persists, it may indicate a unit-specific anomaly.

- **Humming or Crackling Noise:** Ensure all connections are secure. Try using a different power outlet or audio cable. Move the amplifier away from other electronic devices that might cause interference.

If problems persist after attempting these solutions, contact Pyle customer support for further assistance.

SPECIFICATIONS

| Specification | Value |
|---------------------------|---|
| Total Output Power | 90 Watt |
| Class | Class-T Circuit Design |
| Speaker Impedance | 2-8Ω |
| Input Power | DC 9 ~ 14.4V 2A |
| Signal to Noise Ratio | >80dB |
| Total Harmonic Distortion | <0.4% |
| Frequency Response | 20Hz-20kHz |
| Dimensions (L x W x H) | 6.02" x 4.96" x 1.5" (8.5 x 6.75 x 2.25 inches) |
| Item Weight | 1.2 pounds |
| Material | Metal, Plastic |



Image: Side view of the Pyle PFA300 amplifier with a pencil for scale, illustrating its compact dimensions.

PRODUCT USAGE VIDEOS

Watch these videos for demonstrations and setup ideas for your Pyle PFA300 amplifier.

How to Use Pyle PFA300 with Amazon Echo

Video: A demonstration by Christopher Demetrick showing how to connect and use the Pyle PFA300 amplifier with an Amazon Echo device to play music through external speakers.

WARRANTY AND SUPPORT

Pyle products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please visit the official Pyle USA website or contact their customer service department. Keep your purchase receipt as proof of purchase.

