

Manuals.plus /

- › Pyle /
- › Pyle Home Mini Audio Amplifier + PA Horn Speaker Bundle User Manual

Pyle PFA200, PHSP5

Pyle Home Mini Audio Amplifier + PA Horn Speaker Bundle User Manual

Models: PFA200 (Amplifier) & PHSP5 (Speaker)

1. PRODUCT OVERVIEW

This manual provides detailed instructions for the Pyle Home Mini Audio Amplifier (PFA200) and the Pyle Indoor/Outdoor PA Horn Speaker (PHSP5) bundle. This system is designed to deliver clear and powerful audio for various applications, from home entertainment to public address.



Image 1.1: The Pyle PFA200 Mini Audio Amplifier and PHSP5 PA Horn Speaker, bundled together.

2. IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of electric shock, fire, or injury, always follow these basic safety precautions:

- Read all instructions before operating the product.
- Do not expose this appliance to rain or moisture.

- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way.

3. PACKAGE CONTENTS

Please check the package carefully to ensure all items are present:

- Pyle PFA200 Mini Audio Amplifier
- Pyle PHSP5 Indoor/Outdoor PA Horn Speaker
- 12V AC/DC Power Adapter (for PFA200)
- Mounting Bracket and Hardware (for PHSP5)

4. PYLE PFA200 MINI AUDIO AMPLIFIER

4.1 Features

- 60 Watt Class-T Hi-Fi Audio Amplifier
- 12V AC/DC Adapter Included
- Microphone Input Jack
- Speaker Impedance: 2-8 Ω
- 3.5mm iPod/MP3 Input Jack
- Signal to Noise Ratio: >80dB
- Total Output Power: 60 Watt
- Input Power: DC 9 ~ 14.4V 2A
- Total harmonic distortion: <0.4%
- Frequency response: 20Hz-20kHz
- Short Cut, Overload & Overheat Protection
- Compact design for versatile use (car or home)
- Tone/direct switching for bass and treble adjustments
- Built-in loudspeaker protection circuit



Image 4.1: Front view of the Pyle PFA200 Mini Audio Amplifier.



Image 4.2: Detailed diagram showing the front and rear panels of the PFA200 amplifier with labeled controls and connections.

4.2 Setup and Connections

- Speaker Connection:** Connect your 2-8 ohm speakers to the speaker terminals on the rear panel of the PFA200. Ensure correct polarity (+ to + and - to -) for optimal sound.
- Audio Input:** Connect your audio source (e.g., smartphone, MP3 player, computer) to the 3.5mm AUX input or the RCA L/R input jacks on the rear panel.
- Microphone Input:** If using a microphone, connect it to the MIC input jack on the rear panel.
- Power Connection:** Connect the included 12V AC/DC power adapter to the DC 12V 2A input on the rear panel, then plug the adapter into a standard wall outlet.



Image 4.3: The PFA200 amplifier connected to speakers and a smartphone, demonstrating a typical setup.



Image 4.4: Close-up view of the PFA200 amplifier's rear panel, highlighting the input and output connections.

4.3 Operation

1. **Power On/Off:** Use the POWER switch on the front panel to turn the amplifier on or off.
2. **Volume Control:** Rotate the large VOLUME knob to adjust the overall output volume. The knob illuminates with a blue light when powered on.
3. **Tone Control:** Use the TREBLE and BASS knobs to adjust the high and low frequencies of the audio output to your preference.
4. **Tone/Direct Switch:** Toggle the TONE/DIRECT switch to bypass the tone controls for a flat frequency response, delivering the original sound without enhancement.
5. **Input Selection:** The amplifier automatically detects and uses the active audio input (3.5mm AUX, RCA, or MIC).



Image 4.5: The front panel of the PFA200 amplifier, showing the rotary knobs for volume, treble, and bass control.

5. PYLE PHSP5 INDOOR/OUTDOOR PA HORN SPEAKER

5.1 Features

- 8" Indoor / Outdoor PA Horn Speaker
- Power/Load Rating: 65 Watts Peak Power
- Nominal Impedance: 8 Ohms
- Frequency Range: 500 Hz - 5 KHz
- SPL (1W/1m): 101dB
- Mounting Bracket & Hardware Included
- Durable construction suitable for indoor and outdoor environments
- Designed for wide sound projection, ideal for public address systems



Image 5.1: Side view of the Pyle PHSP5 Indoor/Outdoor PA Horn Speaker.



Image 5.2: Front view of the Pyle PHSP5 Horn Speaker, showing the horn design.

5.2 Installation

1. **Mounting Location:** Choose a suitable location for the horn speaker. Consider factors such as desired sound projection area, proximity to the amplifier, and protection from extreme weather conditions if installed outdoors.
2. **Bracket Installation:** Use the included mounting bracket and hardware to securely attach the speaker to a wall, pole, or other stable surface. The bracket allows for 180-degree swiveling, enabling you to adjust the speaker's direction for optimal sound coverage.
3. **Wiring:** Connect the speaker wires from the PHSP5 to the speaker terminals on the PFA200 amplifier. Ensure correct polarity (+ to + and - to -) to prevent phase issues and ensure proper sound reproduction.



Image 5.3: Rear view of the Pyle PHSP5 Horn Speaker, highlighting the adjustable mounting bracket.

6. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your Pyle audio system:

- **Cleaning:** Clean the amplifier and speaker surfaces with a soft, dry cloth. Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish or internal components.
- **Ventilation:** Ensure that the amplifier's ventilation openings are not blocked to prevent overheating.
- **Storage:** If storing the units for an extended period, keep them in a cool, dry place away from direct sunlight and extreme temperatures.
- **Outdoor Speaker Care:** While the PHSP5 is designed for outdoor use, prolonged exposure to extreme weather

conditions (heavy rain, snow, direct intense sunlight) may reduce its lifespan. Consider protective measures if permanently installed in harsh environments.

7. TROUBLESHOOTING GUIDE

If you encounter any issues with your Pyle audio system, refer to the table below for common problems and their solutions:

Issue	Possible Cause	Solution
No Sound Output	<ul style="list-style-type: none">• Power not connected or turned on.• Volume knob is too low.• Incorrect input selected or audio source not playing.• Speaker wires are disconnected or incorrectly wired.• Speaker impedance mismatch.	<ul style="list-style-type: none">• Ensure the power adapter is securely connected and the amplifier is switched on.• Increase the VOLUME knob.• Verify the audio source is playing and connected to the correct input.• Check all speaker wire connections for secure and correct polarity.• Ensure speakers are 2-8Ω impedance.
Distorted Sound	<ul style="list-style-type: none">• Volume set too high (clipping).• Audio source output is too high.• Damaged speaker or wiring.• Tone controls (Bass/Treble) set too extreme.	<ul style="list-style-type: none">• Reduce the VOLUME knob.• Lower the output volume from your audio source.• Inspect speakers and wiring for damage.• Adjust Bass/Treble knobs or switch to DIRECT mode.
Amplifier Overheating	<ul style="list-style-type: none">• Insufficient ventilation.• Overload protection activated.	<ul style="list-style-type: none">• Ensure adequate airflow around the amplifier. Do not cover ventilation openings.• Reduce volume or check speaker impedance. Allow unit to cool down.
Microphone Not Working	<ul style="list-style-type: none">• Microphone not connected properly.• Microphone volume too low.	<ul style="list-style-type: none">• Ensure microphone is securely plugged into the MIC input.• Adjust microphone volume on the source device if applicable, or increase main volume.

8. TECHNICAL SPECIFICATIONS

8.1 Pyle PFA200 Mini Audio Amplifier

- **Output Power:** 60 Watts (Total)
- **Number of Channels:** 2
- **Speaker Impedance:** 2-8Ω
- **Input Power:** DC 9 ~ 14.4V 2A
- **Voltage:** 14.4 Volts (DC)

- **Frequency Response:** 20Hz-20kHz
- **Signal to Noise Ratio:** >80dB
- **Total Harmonic Distortion:** <0.4%
- **Dimensions (L x W x H):** 5.51" x 4.80" x 1.81"
- **Mounting Type:** Surface Mount

8.2 Pyle PHSP5 Indoor/Outdoor PA Horn Speaker

- **Power/Load Rating:** 65 Watts Peak Power
- **Nominal Impedance:** 8 Ohms
- **Frequency Range:** 500 Hz - 5 KHz
- **SPL (1W/1m):** 101dB
- **Dimensions (H x W x D):** 8" x 4.5" x 9"

9. WARRANTY AND CUSTOMER SUPPORT

Pyle products are designed and manufactured to the highest quality standards. For warranty information, technical support, or service inquiries, please visit the official Pyle website or contact their customer service department.

Pyle Official Website: www.pyleusa.com