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> Pyle PT110 Compact PA Mono Amplifier User Manual

Pyle PT110

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Professional Mini Audio Receiver for Public Address & Home Use

INTRODUCTION

This manual provides detailed instructions for the operation and maintenance of your Pyle PT110 Compact PA Mono Amplifier. Designed for versatility, this 80-watt amplifier is suitable for various applications including live bands, office paging systems, public announcements, and home audio setups. It features multiple input options, independent volume controls, and robust construction.



Figure 1: Front view of the Pyle PT110 Compact PA Mono Amplifier, showcasing its compact design and control layout.

PRODUCT FEATURES

- **80 Watt Power Output:** Provides ample power for amplifying music or vocal program material.

- **Multiple Inputs:** Includes two 1/4" microphone inputs, a 3.5mm AUX audio input jack, and stereo RCA inputs (including phono input).
- **Independent Volume Control:** Each input features its own rotary volume control knob for precise audio mixing.
- **Microphone Talkover Function:** Automatically lowers background music when microphone input is detected.
- **Tone Control:** Allows adjustment of sound to specific requirements.
- **70V PA System Compatibility:** Designed to work seamlessly with 70V public address systems.
- **Unswitched AC Outlet:** Convenient power outlet on the rear panel.
- **Compact Design:** Measures 3 1/3" x 12 3/4" x 8 9/10", making it easy to integrate into various setups.

SETUP AND CONNECTIONS

Before connecting any components, ensure the amplifier is powered off and unplugged from the main power source.

Front Panel Controls and Inputs



Figure 2: Detailed view of the front panel, highlighting the Phono/Aux Volume Control, Mic 1 & Mic 2 Volume Controls, and 6.35mm connectors.

1. **POWER Switch:** Toggles the amplifier on or off.
2. **HEADPHONES Jack:** 3.5mm output for monitoring audio with headphones.
3. **MIC 1 & MIC 2 Inputs:** 1/4" (6.35mm) jacks for connecting microphones.
4. **AUX IN:** 3.5mm input for connecting external audio devices like smartphones or MP3 players.
5. **MIC 1 & MIC 2 Volume Controls:** Adjust the volume for individual microphone inputs.
6. **PHONO/AUX Volume Control:** Adjusts the volume for the rear panel Phono/AUX inputs.
7. **MID Tone Control:** Adjusts the mid-range frequencies of the audio output.
8. **MASTER VOLUME:** Controls the overall output volume of the amplifier.
9. **LEVEL Display:** LED indicators showing the audio output level.

Rear Panel Connections



Figure 3: Rear view of the amplifier, illustrating the various speaker output terminals, DC 12V input, unswitched AC outlet, and Phono/AUX/RCA input jacks.

1. **AC INPUT:** Connect the removable AC power cord here.

2. **FUSE Holder:** Contains the main power fuse. Refer to maintenance for replacement.
3. **AC OUTLET (UNSWITCHED):** Provides constant AC power for external devices.
4. **DC 12V IN:** Input for 12V DC power source, suitable for portable use.
5. **PHONO/AUX Input Selector:** Switches between Phono and AUX RCA inputs.
6. **AUX/CD & PHONO/MIX BUS RCA Inputs:** Stereo RCA inputs for connecting audio sources like CD players, tuners, or turntables.
7. **Speaker Output Terminals (COM, 4Ω, 8Ω, 16Ω, 70V):** Connect speakers according to their impedance or for 70V PA systems. Ensure correct polarity.
8. **GND (Ground) Terminal:** For grounding connection, especially when using a turntable.

Speaker Connection: Connect your speakers to the appropriate terminals on the rear panel. For standard impedance speakers, use the COM and 4Ω, 8Ω, or 16Ω terminals. For 70V PA systems, connect to the 70V terminal and COM. Ensure speaker wire polarity is correct (+ to + and - to -).

Power Connection: Connect the supplied AC power cord to the AC INPUT on the rear panel and then to a standard wall outlet. Alternatively, for portable use, connect a 12V DC power source to the DC 12V IN terminal.

OPERATING INSTRUCTIONS

Follow these steps for basic operation of your Pyle PT110 amplifier:

1. **Power On:** Ensure all connections are secure, then press the POWER switch on the front panel to turn on the amplifier. The power indicator light will illuminate.
2. **Input Selection:** If using the rear RCA inputs, select between PHONO and AUX/CD using the input selector switch.
3. **Volume Adjustment:**
 - For microphones, adjust the individual MIC 1 and MIC 2 volume controls.
 - For the front AUX IN or rear PHONO/AUX inputs, adjust the PHONO/AUX volume control.
 - Adjust the MASTER VOLUME knob to control the overall output level to your speakers.
4. **Tone Control:** Use the MID tone control knob to adjust the mid-range frequencies for desired sound quality.
5. **Microphone Talkover:** When a microphone is connected and active, the talkover function will automatically reduce the volume of other audio inputs, allowing the microphone signal to be prominent.
6. **Headphone Monitoring:** Connect headphones to the HEADPHONES jack for private audio monitoring.



Figure 4: Close-up view of the front panel, highlighting the 1/4" Phone Jack, LED Level Display, and Master Volume Control for precise operation.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your amplifier.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the amplifier has adequate ventilation. Do not block the ventilation openings on the top and sides of the unit.
- **Fuse Replacement:** If the amplifier does not power on, check the fuse located in the FUSE holder on the rear panel. Replace only with a fuse of the same type and rating (e.g., 1.5A 250V).
- **Storage:** If storing the unit for an extended period, keep it in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord not connected; Blown fuse; Power outlet malfunction.	Ensure power cord is securely connected. Check and replace fuse if necessary. Test power outlet with another device.
No sound output	Incorrect speaker connections; Volume levels too low; Incorrect input selected; Faulty audio cable.	Verify speaker connections and polarity. Increase Master Volume and individual input volumes. Ensure correct input is selected. Test with a different audio cable.
Distorted sound	Input signal too high; Speaker impedance mismatch; Faulty speaker.	Reduce input source volume. Ensure speakers match amplifier impedance (4Ω, 8Ω, 16Ω, or 70V). Test with different speakers.
Microphone not working	Microphone not connected properly; Microphone volume too low; Faulty microphone.	Ensure microphone is fully inserted into the 1/4" jack. Increase MIC volume control. Test with a different microphone.

SPECIFICATIONS

- **Model:** PT110
- **Output Power:** 80 Watts
- **Number of Channels:** 1
- **Voltage Compatibility:** 70 Volts (for PA systems), 110V/220V (AC input)
- **Material:** Iron
- **Mounting Type:** Surface Mount
- **Product Dimensions (L x W x H):** 11.5 x 4.9 x 15.2 inches
- **Item Weight:** 4.43 pounds
- **Manufacturer:** Sound Around

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Pyle website or contact their customer service department. Keep your purchase receipt for warranty claims.
Pyle Official Website: www.pyleusa.com

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