

## Monacor PA-702

# Monacor PA-702 PA Amplifier User Manual

Model: PA-702

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your Monacor PA-702 PA Amplifier. The PA-702 is a mono mixer amplifier designed for public address (PA) applications, featuring 1 x 35 WRMS output power. It operates silently due to its fanless cooling system and includes multiple input options for microphones and auxiliary audio sources, along with a 3-way equalizer for output control.

## 2. SAFETY INSTRUCTIONS

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- **Power Supply:** Connect the amplifier only to the specified mains voltage. Ensure the power cord is not damaged or pinched.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Do not expose the amplifier to rain or moisture. Avoid placing liquid-filled objects on or near the unit.
- **Cleaning:** Disconnect from power before cleaning. Use a dry, soft cloth. Do not use liquid cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the unit on a stable, level surface. Avoid locations with excessive vibration, dust, or extreme temperatures.

## 3. PRODUCT OVERVIEW

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**Figure 3.1: Front View of Monacor PA-702 PA Amplifier.** This image displays the front panel of the amplifier, showing the input level controls for MC1, MC2, and Phono/Aux, the frequency equalizer knobs, the master volume control, and the power switch with an indicator light.

### 3.1 Front Panel Controls

- **MC1 / MC2:** Input level controls for Microphone 1 and Microphone 2.
- **PHONO/AUX:** Input level control for the Phono or Auxiliary input, depending on the selected source.
- **FREQUENCY EQUALIZER:** Three rotary controls for adjusting bass (150Hz), mid (1kHz), and treble (8kHz) frequencies of the output signal.
- **MASTER VOLUME:** Overall volume control for the amplifier output.
- **POWER:** Main power switch with an LED indicator.



**Figure 3.2: Rear View of Monacor PA-702 PA Amplifier.** This image shows the rear panel connections, including the speaker output terminals (COM, 4Ω, 100V), ground terminal (GND), auxiliary inputs (AUX), phono inputs (PHONO), microphone inputs (MIC 1, MIC 2), and the power input socket.

### 3.2 Rear Panel Connections

- **OUTPUT (COM, 4Ω, 100V):** Speaker output terminals for connecting loudspeakers.
- **GND:** Ground terminal for connecting to an external ground if necessary.
- **AUX (RCA):** Stereo RCA inputs for connecting auxiliary audio sources (e.g., CD player, media player).
- **PHONO (RCA):** Stereo RCA inputs for connecting a turntable.
- **MIC 1 / MIC 2 (6.3mm Jack):** Low-impedance microphone inputs.
- **PRIORITY:** Connection for a microphone talk button, which mutes other sources during announcements.
- **POWER INPUT:** Socket for connecting the mains power cable.



**Figure 3.3: Side View of Monacor PA-702 PA Amplifier.** This image shows the side panel of the amplifier, highlighting its compact design and the absence of external cooling fans, indicating its silent operation.

## 4. SETUP

- 1. Placement:** Position the amplifier on a flat, stable surface, ensuring sufficient space around the unit for proper ventilation. Avoid direct sunlight, heat sources, and damp environments.
- 2. Speaker Connection:**
  - Connect your loudspeakers to the "OUTPUT" terminals on the rear panel. Use the "COM" terminal as the common ground.
  - For low-impedance speakers, connect to the "4Ω" terminal.
  - For 100V line speakers, connect to the "100V" terminal. Ensure correct polarity.
- 3. Microphone Connection:** Insert your low-impedance microphones into the "MIC 1" or "MIC 2" 6.3mm jack inputs on the rear panel.
- 4. Audio Source Connection:**
  - For auxiliary devices (e.g., CD player, smartphone), connect to the "AUX" RCA inputs.
  - For a turntable, connect to the "PHONO" RCA inputs.
- 5. Power Connection:** Ensure all audio connections are secure. Set all volume controls to minimum. Connect the supplied power cable to the "POWER INPUT" socket on the rear panel and then to a suitable mains outlet.

## 5. OPERATING INSTRUCTIONS

- 1. Power On:** Press the "POWER" switch on the front panel. The LED indicator will illuminate.
- 2. Input Level Adjustment:** Gradually increase the "MC1", "MC2", or "PHONO/AUX" input level controls for the active source until the desired input volume is achieved.
- 3. Equalizer Adjustment:** Use the "FREQUENCY EQUALIZER" knobs (150Hz, 1kHz, 8kHz) to adjust the bass, mid-range, and treble frequencies to suit your audio preference and acoustic environment.
- 4. Master Volume:** Slowly turn the "MASTER VOLUME" control clockwise to increase the overall output volume to the desired level.
- 5. Talk Button Function (if connected):** If a talk button is connected to the "PRIORITY" terminal, pressing it will temporarily mute other audio sources, allowing microphone announcements to be heard clearly.

6. **Power Off:** When finished, turn the "MASTER VOLUME" to minimum, then press the "POWER" switch to turn off the amplifier.

## 6. MAINTENANCE

- **Cleaning:** Regularly wipe the amplifier's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or waxes.
- **Ventilation:** Ensure that the ventilation openings are kept clear of dust and debris to maintain proper cooling.
- **Storage:** If storing the unit for an extended period, disconnect it from the power supply and store it in a cool, dry place.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable disconnected; power outlet faulty; power switch off.	Check power cable connection; try a different outlet; ensure power switch is ON.
No sound output	Volume controls too low; incorrect input selected; speaker connections loose or incorrect; faulty audio source.	Increase MASTER VOLUME and input level controls; verify correct input source; check speaker wiring; test with a different audio source.
Distorted sound	Input levels too high; speaker impedance mismatch; faulty speaker.	Reduce input levels; ensure speakers match amplifier impedance (4Ω or 100V line); test with different speakers.
Microphone not working	Microphone not connected correctly; MIC level control too low; faulty microphone.	Check microphone connection; increase MIC level control; test with a different microphone.

## 8. SPECIFICATIONS

- **Model:** PA-702
- **Output Power:** 1 x 35 WRMS
- **Cooling:** Fanless (silent operation)
- **Microphone Inputs:** 2 x low-impedance (6.3mm jack)
- **Auxiliary Input:** 1 x RCA stereo
- **Phono Input:** 1 x RCA stereo
- **Speaker Outputs:** Spring terminals (COM, 4Ω, 100V)
- **Equalizer:** 3-way (150Hz, 1kHz, 8kHz)
- **Dimensions (L x W x H):** 3.6 x 3 x 3 cm
- **Weight:** 4.42 Kilograms
- **Power Supply:** Mains operation (230V~/50Hz, 92VA)

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your authorized Monacor dealer. Keep your proof of purchase for any warranty claims.

