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› Marantz 2-Channel DSLR Audio Interface PMD-602A User Manual

## Marantz Professional PMD-602A

# Marantz 2-Channel DSLR Audio Interface PMD-602A User Manual

Model: PMD-602A | Brand: Marantz Professional

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Marantz PMD-602A 2-Channel DSLR Audio Interface. The PMD-602A is designed to enhance the audio recording capabilities of DSLR cameras, offering professional-grade sound capture for videographers and content creators.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- Two independent audio input channels for versatile recording.
- XLR and 3.5mm stereo connectivity for microphones and line-level sources.
- Selectable 12V or 48V phantom power for condenser microphones.
- Input limiter to prevent audio clipping.
- High/Low gain settings for optimal signal levels.
- Integrated camera mounting bracket for secure attachment.
- Headphone output for monitoring audio.

### 2.2 Components and Controls

Familiarize yourself with the various components and controls of the PMD-602A:



Figure 1: Front panel view of the Marantz PMD-602A, showing input controls, gain knobs, phantom power switches, limiter, and LED level meters.



Figure 2: Top and side view of the Marantz PMD-602A, highlighting the camera mounting bracket and input/output ports.

- **XLR Inputs (Left/Right):** Connect professional microphones.
- **Gain Knobs (L/R):** Adjust input sensitivity for each channel.
- **PH/MIC/LINE Switches:** Select input type (Phantom Power, Microphone, Line).
- **PH Voltage Switches (12V/48V):** Enable phantom power for condenser microphones.
- **Limiter Switches (L/R):** Activate the input limiter to prevent signal distortion.
- **Gain Switches (HI/LO):** Select overall gain level.
- **LED Level Meters:** Visually monitor audio input levels.
- **VOL. Knob:** Adjust headphone monitoring volume.
- **Headphone Jack:** Connect headphones for audio monitoring.
- **PWR Switch:** Power on/off the unit.
- **Camera Mounting Bracket:** Securely attach the unit to a DSLR camera.

## 3. SETUP

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### 3.1 Battery Installation

1. Locate the battery compartment on the underside of the unit.
2. Open the compartment cover.
3. Insert four (4) AA batteries, ensuring correct polarity. It is recommended to place a ribbon underneath the batteries for easier removal.
4. Close the battery compartment cover securely.

### 3.2 Mounting to a Camera

1. Attach the PMD-602A to your DSLR camera's hot shoe or tripod mount using the integrated camera mounting bracket.
2. Ensure the unit is firmly secured to prevent movement during recording.

### 3.3 Connecting Microphones and Camera

1. Connect your microphones to the XLR input ports (Left and Right) on the PMD-602A.
2. Connect the output of the PMD-602A to your DSLR camera's audio input jack (typically 3.5mm stereo) using an appropriate cable.
3. Ensure all connections are secure.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Powering On and Off

Slide the PWR switch to the "ON" position to power on the unit. The power indicator LED will illuminate. Slide to "OFF" to power down.

### 4.2 Input Selection and Gain Adjustment

1. For each channel, set the PH/MIC/LINE switch according to your input source:
  - **PH:** For condenser microphones requiring phantom power.
  - **MIC:** For dynamic microphones or microphones not requiring phantom power.
  - **LINE:** For line-level audio sources (e.g., mixers, audio players).
2. If using condenser microphones, activate the appropriate phantom power voltage (12V or 48V) using the PH VOLTAGE switch.
3. Adjust the HI/LO GAIN switch to match the general output level of your microphone or source. Start with "LO" and switch to "HI" if the signal is too weak.
4. Rotate the individual GAIN knobs (L/R) to set the input level for each channel. Aim for the LED level meters to peak in the green or yellow range, avoiding consistent red indicators.
5. Consider activating the LIMITER switches (L/R) to prevent sudden loud sounds from clipping the audio signal.

### 4.3 Monitoring Audio

Connect headphones to the Headphone Jack. Adjust the VOL. knob to set a comfortable monitoring level. Note that the monitoring function allows listening to the signal from the amplifier or from the camera in playback mode, but not live monitoring from the camera during recording.

### 4.4 Camera Settings

The output of the PMD-602A is LINE LEVEL. Ensure your camera's audio input is set to accept a line-level signal. It is highly recommended to disable Automatic Gain Control (AGC) on your camera and set the audio recording level manually for optimal sound quality.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using liquid cleaners or solvents.
- **Storage:** Store the PMD-602A in a cool, dry place away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods to prevent leakage.
- **Battery Replacement:** Replace batteries when the power indicator dims or audio quality degrades.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio output to camera.	Incorrect cable connection; camera input settings; low gain.	Check cable connections. Ensure camera audio input is enabled and set to line level. Increase gain on PMD-602A.
Audio is distorted or clipping.	Input gain too high; limiter not engaged.	Reduce input gain. Engage the limiter switch.
Humming or buzzing noise in audio.	Ground loop; faulty cable; interference.	Check all cables for damage. Ensure proper grounding. Try different power sources if applicable.
Headphone monitoring is noisy.	Internal noise of monitor amp.	This may be a characteristic of the monitor amp; however, this noise should not be present in the recorded audio. Focus on the recorded audio quality.
Batteries drain quickly.	Phantom power engaged; old batteries.	Disable phantom power if not needed. Use fresh, high-quality batteries.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	PMD-602A
Brand	Marantz Professional
Number of Channels	2
Connectivity Technology	XLR, 3.5mm stereo
Compatible Devices	Microphone, Camera
Item Weight	1.72 pounds (0.78 kg)
Product Dimensions	5.98 x 2.52 x 1.5 inches (15.19 x 6.40 x 3.81 cm)
Color	Black

Feature	Detail
Power Source	Batteries (4x AA, not included)
Phantom Power	Selectable 12V / 48V
Output Level	Line Level

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Marantz Professional website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may visit the [Marantz Professional website](#).