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## Marantz Professional MPM-1000

# Marantz Professional MPM-1000 Condenser Microphone User Manual

Studio-Grade Audio Performance for Recording, Streaming, and Gaming

## 1. Introduction

The Marantz Professional MPM-1000 is a high-quality large-diaphragm condenser microphone designed to deliver studio-grade audio performance for a variety of applications, including recording, streaming, gaming, and broadcasting. It offers excellent sound capture with a wide frequency response and a cardioid polar pattern to minimize unwanted background noise.

This microphone is engineered with uncompromising components to ensure superior audio fidelity while remaining an accessible and cost-effective solution for both aspiring and experienced users.

### Key Features:

- **Studio-Grade Sound:** Delivers clear, high-quality audio suitable for professional recording environments.
- **Cardioid Polar Pattern:** Effectively picks up sound directly in front of the microphone, reducing ambient noise and reverberation.
- **Wide Frequency Response:** Features a 20Hz to 20kHz frequency range, capturing a broad spectrum of audio details.
- **Complete Accessory Package:** Includes a windscreen, shock mount, desktop stand, and an XLR cable for immediate setup.
- **Robust Construction:** Designed for durability and reliable performance.




The Marantz Professional MPM-1000 microphone is versatile for various recording and streaming environments.

## 2. Setup Guide

Follow these steps to set up your Marantz Professional MPM-1000 condenser microphone.

### 2.1 Unpacking and Component Check

Carefully remove all components from the packaging. Ensure you have the following items:

- MPM-1000 Condenser Microphone
- Shock Mount
- Desktop Tripod Stand
- Windscreen (Foam Pop Filter)
- XLR Cable

### 2.2 Assembling the Microphone

1. **Attach the Shock Mount:** Screw the shock mount onto the desktop tripod stand. Ensure it is securely fastened.
2. **Mount the Microphone:** Gently place the MPM-1000 microphone into the shock mount. The shock mount helps to isolate the microphone from vibrations and handling noise.
3. **Install the Windscreen:** Slide the foam windscreen over the microphone capsule. This reduces plosive sounds (P, B sounds) and breath noise.

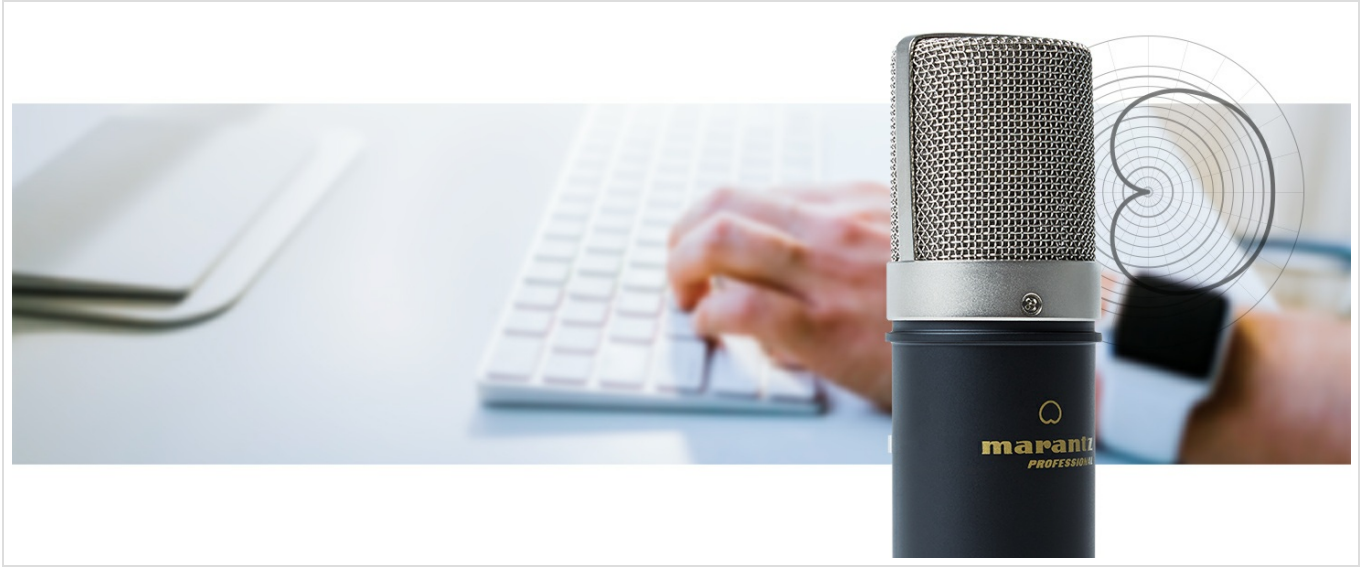



The MPM-1000 microphone fully assembled with its included accessories, ready for use.

## 2.3 Connecting to an Audio Interface/Mixer

The MPM-1000 is an XLR condenser microphone and requires 48V phantom power to operate. You will need an audio interface or mixer with an XLR input and phantom power capability.

1. **Connect the XLR Cable:** Plug one end of the included XLR cable into the XLR port at the bottom of the MPM-1000 microphone.
2. **Connect to Audio Interface/Mixer:** Plug the other end of the XLR cable into an available XLR input on your audio interface or mixer.
3. **Activate Phantom Power:** Turn on the 48V phantom power on your audio interface or mixer for the connected input channel. The microphone will not function without phantom power.
4. **Connect to Computer:** Connect your audio interface or mixer to your computer via USB or other appropriate connection.




Connect the microphone to an audio interface or mixer. The microphone's cardioid pattern focuses on the sound source, covering all human audible frequencies while minimizing noise.

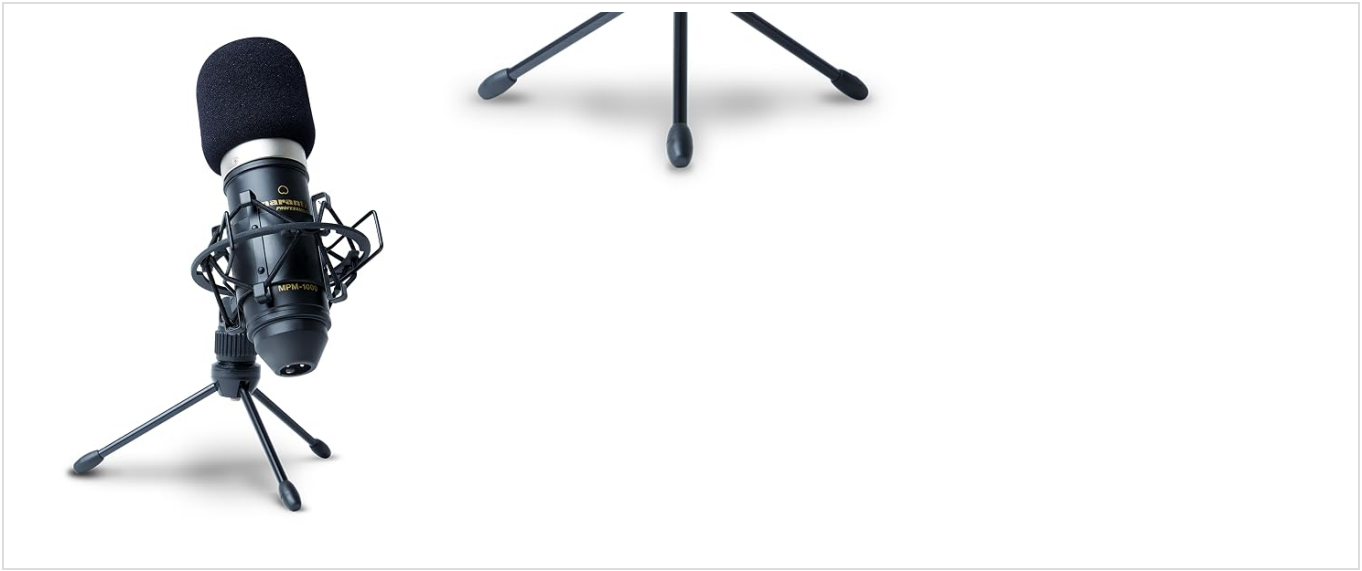
## 3. Operating Instructions

Once your MPM-1000 is set up, follow these guidelines for optimal performance.

### 3.1 Microphone Placement

The MPM-1000 features a cardioid polar pattern, meaning it is most sensitive to sounds coming from the front and rejects sounds from the sides and rear. For best results:

- **Directly Face the Sound Source:** Position the front of the microphone (where the Marantz Professional logo is located) directly towards the sound source (e.g., your mouth for vocals, an instrument).
- **Maintain Optimal Distance:** Experiment with distance to find the sweet spot. Too close can result in proximity effect (increased bass), while too far can pick up more room ambiance.
- **Utilize the Windscreen:** Always use the included foam windscreen to prevent plosives and breath noise, especially for vocal recordings.



The MPM-1000 is equipped with a unidirectional (cardioid) microphone capsule, making it ideal for podcast recording, gaming, broadcasting, studio recording, and streaming.

### 3.2 Gain Staging

Proper gain staging is crucial for clear recordings without distortion or excessive noise.

- **Set Input Gain:** Adjust the input gain on your audio interface or mixer so that the signal peaks around -6dB to -3dB during the loudest parts of your performance. This leaves headroom to prevent clipping.
- **Avoid Clipping:** If the input level indicator on your interface/mixer turns red, reduce the gain immediately.

## 4. Maintenance

To ensure the longevity and optimal performance of your Marantz Professional MPM-1000, follow these simple maintenance tips:

- **Cleaning:** Use a soft, dry cloth to wipe down the microphone body. Do not use liquid cleaners or solvents, as they can damage the finish or internal components.
- **Windscreen Care:** The foam windscreen can be gently hand-washed with mild soap and water if it becomes dirty. Allow it to air dry completely before reattaching it to the microphone.
- **Storage:** When not in use, store the microphone in a clean, dry place, preferably in its original packaging or a protective case, to prevent dust accumulation and physical damage.
- **Avoid Moisture:** Keep the microphone away from moisture and extreme temperatures.

## 5. Troubleshooting

If you encounter issues with your MPM-1000, try the following troubleshooting steps:

### 5.1 No Sound Output

- **Check Phantom Power:** Ensure that 48V phantom power is enabled on your audio interface or mixer for the input channel connected to the microphone. Condenser microphones require phantom power to operate.
- **Verify Cable Connections:** Make sure the XLR cable is securely connected to both the microphone and the audio interface/mixer. Try a different XLR cable if available.
- **Input Gain:** Check that the input gain on your audio interface/mixer is turned up sufficiently.
- **Software Settings:** Confirm that the correct audio input device is selected in your computer's sound settings and your recording software (DAW).
- **Test with Another Input:** If your interface has multiple inputs, try connecting the microphone to a different one.

### 5.2 Distorted Sound

- **Reduce Input Gain:** If the audio sounds distorted or clipped, the input gain is likely too high. Lower the gain on your audio interface/mixer.
- **Microphone Placement:** Ensure you are not too close to the microphone, which can cause distortion due to proximity effect or overloading the capsule.

### 5.3 Excessive Background Noise

- **Check Polar Pattern:** The MPM-1000 has a cardioid pattern. Ensure the front of the microphone is facing your desired sound source and away from noise sources.
- **Room Acoustics:** Record in a quiet environment. Soft furnishings, acoustic panels, or even blankets can help reduce room reflections and ambient noise.

- **Cable Quality:** A faulty or unshielded XLR cable can introduce noise. Try a different, high-quality XLR cable.

## 6. Specifications

Here are the technical specifications for the Marantz Professional MPM-1000:

| | |
|---|---|
| **Product Type** | Condenser Microphone |
| **Model Name** | MPM-1000 |
| **Polar Pattern** | Unidirectional (Cardioid) |
| **Frequency Response** | 20 Hz - 20 KHz |
| **Sensitivity** | -38 dB (0 dB = 1 V/Pa @ 1 kHz) |
| **Output Impedance** | 200 Ω ± 30% (@ 1 kHz) |
| **Load Impedance** | ≥ 1000 Ω |
| **Self Noise** | 17 dBA |
| **Max SPL** | 136 dB (at 1 kHz ≤ 1% THD) |
| **S/N Ratio** | 77 dB |
| **Phantom Power Requirement** | 9-48 VDC, 3 mA typical |
| **Connector** | 3-pin XLR |
| **Dimensions (Length x Diameter)** | 165 mm x 48 mm (6.5" x 1.9") |
| **Weight** | 0.66 lbs (300 g) |
| **Included Components** | MPM-1000 Microphone, Shock Mount, Desktop Stand, Windscreen, XLR Cable |




The MPM-1000 captures a wide frequency range from 20Hz to 20kHz, ensuring clear audio recording for various applications.

## 7. Warranty Information

The Marantz Professional MPM-1000 comes with a **1-year limited warranty** from the date of purchase. This warranty covers manufacturing defects and ensures that your product is free from defects in material and workmanship under normal use.

Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the official Marantz Professional website or contact customer support.

## 8. Support and Contact Information

For technical assistance, product inquiries, or repair services, please contact Marantz Professional support.

Marantz Professional offers official manufacturer support including a call center, technical support, and repair services.

### Official Support Website:

For the most up-to-date support information, FAQs, and contact options, please visit the official Marantz Professional support page:

**Marantz Professional Support**

### Contact Options:

- **Call Center:** For direct assistance, contact the dedicated support team.
- **Technical Support:** Get help with product functionality and software-related queries.
- **Repair Service:** Information regarding repair services and warranty claims.

When contacting support, please have your product model (MPM-1000) and proof of purchase ready.

## 9. Product Videos

No official product videos from the seller were available in the provided data to embed in this manual.


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