

Peavey 00488030

Peavey Studio Pro M1 Recording Microphone User Manual

Model: 00488030

1. INTRODUCTION

The Peavey Studio Pro M1 is a large-diaphragm, side-address condenser microphone designed for professional audio recording applications. It features a unique frequency and transient response, making it suitable for studio recordings, broadcasting, film, and television. The microphone excels as a main microphone for orchestras, a spot microphone for individual instruments, and a vocal microphone for various music and speech applications.

Key features include:

- Large capsule with gold-plated membrane
- Low noise, transformer circuitry
- Flat, wide frequency response
- Cardioid (unidirectional) polar pattern
- Switchable low frequency roll-off (high-pass filter)
- Switchable 10 dB attenuation pad for high sound pressure levels



Figure 1: Peavey Studio Pro M1 Recording Microphone. This image shows the microphone from the front, highlighting its large capsule and robust build.

2. SETUP

To set up your Peavey Studio Pro M1 microphone, follow these steps:

1. **Unpack the Microphone:** Carefully remove the microphone and any included accessories from its packaging. The package typically includes the microphone itself.
2. **Mounting:** Secure the microphone onto a compatible microphone stand using an appropriate shock mount or clip (not included unless specified). Ensure the microphone is stable and positioned correctly for your recording needs.
3. **Connect XLR Cable:** Connect a standard 3-pin XLR cable (not included) to the XLR output connector at the base of

the microphone. Connect the other end of the XLR cable to an audio interface, mixer, or preamplifier that provides +48V phantom power.

4. **Apply Phantom Power:** The Studio Pro M1 is a condenser microphone and requires +48V phantom power to operate. Activate the phantom power on your audio interface, mixer, or preamplifier. Refer to your audio equipment's manual for instructions on enabling phantom power.
5. **Initial Level Setting:** Before recording, set the gain on your audio interface or mixer to a low level. Gradually increase the gain while speaking or playing into the microphone to achieve an appropriate recording level without clipping.

3. OPERATING THE MICROPHONE

The Peavey Studio Pro M1 features controls to optimize its performance for various recording environments.

3.1 Polar Pattern

The Studio Pro M1 utilizes a **cardioid (unidirectional)** polar pattern. This means the microphone is most sensitive to sounds coming from the front and rejects sounds from the sides and rear. This characteristic is ideal for isolating a sound source and minimizing room reflections or unwanted background noise.

3.2 High-Pass Filter (Low Frequency Roll-Off)

A switchable high-pass filter is integrated into the microphone. When activated, this filter reduces interference from subsonic and low frequencies. This is particularly useful for:

- Reducing rumble from air conditioning, traffic, or vibrations.
- Minimizing the proximity effect, which is an increase in bass response when a sound source is very close to the microphone.

Engage this switch when you need a cleaner low-end response or when recording close-up vocals or instruments.

3.3 10 dB Attenuation Pad

For applications involving high sound pressure levels (SPL), the Studio Pro M1 includes a switchable 10 dB attenuation pad. Activating this switch reduces the microphone's output level by 10 decibels, preventing distortion when recording very loud sources. This enables the microphone to handle SPLs up to 140 dB without overloading your preamplifier. Use this feature when recording loud instruments like drums, guitar amplifiers, or powerful vocalists.

4. MAINTENANCE

Proper care and maintenance will ensure the longevity and optimal performance of your Peavey Studio Pro M1 microphone.

- **Cleaning:** Use a soft, dry cloth to wipe the microphone body. Do not use liquid cleaners, solvents, or abrasive materials, as these can damage the finish or internal components.
- **Storage:** When not in use, store the microphone in its protective case or a clean, dry environment. Avoid exposing it to extreme temperatures, high humidity, or direct sunlight.
- **Handling:** Handle the microphone with care. Avoid dropping it or subjecting it to strong impacts, which can damage the delicate capsule.
- **Moisture:** Protect the microphone from moisture. Condenser microphones are sensitive to humidity, which can affect performance and cause damage.

5. TROUBLESHOOTING

If you encounter issues with your Peavey Studio Pro M1, refer to the following common troubleshooting steps:

- **No Sound Output:**
 - Ensure +48V phantom power is enabled on your audio interface or mixer.
 - Check all XLR cable connections for proper seating and integrity. Try a different XLR cable if available.
 - Verify that the input gain on your audio interface or mixer is set appropriately and not at minimum.
 - Confirm that the correct input is selected on your audio interface or software.
- **Distorted Sound:**
 - If recording loud sources, activate the 10 dB attenuation pad on the microphone.
 - Reduce the input gain on your audio interface or mixer.
 - Ensure the microphone is not positioned too close to a very loud sound source.
- **Excessive Bass or Muddy Sound:**
 - Activate the high-pass filter (low frequency roll-off) switch on the microphone.
 - Increase the distance between the microphone and the sound source to reduce proximity effect.
- **Hum or Buzz:**
 - Ensure all cables are properly shielded and connected.
 - Check for ground loops by ensuring all audio equipment is plugged into the same power strip or outlet.
 - Move the microphone and cables away from power sources, fluorescent lights, or other electronic devices that may cause interference.

If these steps do not resolve the issue, contact Peavey customer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Model Number	00488030
Type	Large-diaphragm Condenser
Polar Pattern	Cardioid (Unidirectional)
Connectivity Technology	XLR
Connector Type	XLR
Power Source	+48V Phantom Power (Corded Electric)
Audio Sensitivity	10 dB
Signal-to-Noise Ratio	140 dB
Audible Noise	140 dB
Special Features	Switchable Low Frequency Roll-off, 10 dB Attenuation Pad
Included Components	Microphone
Item Dimensions (L x W x H)	11.38 x 3.13 x 9.25 inches

7. WARRANTY INFORMATION

The Peavey Studio Pro M1 Recording Microphone is covered by a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper operation. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, please refer to the official Peavey website or contact Peavey customer support.

8. SUPPORT

For technical assistance, product inquiries, or warranty service, please contact Peavey customer support through their official channels.

You can find more information and support resources on the official Peavey website:

[Visit the Peavey Store on Amazon](#)

Please have your microphone model number (00488030) and proof of purchase ready when contacting support.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

