



4000 XL



Multi-Pattern  
Condenser Microphone

Marshall Electronics  
Professional Audio Division

Phone: 310-333-0606 ■ 800-800-6608 ■ Fax: 310-333-0688  
[www.mxlms.com](http://www.mxlms.com) ■ [sales@mxlms.com](mailto:sales@mxlms.com)



Thank you for purchasing the **MXL 4000XL** Studio Recording Microphone. With proper care, this mic will provide many years of satisfaction. For best results, please take a few moments to review this literature.

Enjoy your microphone!  
**The MXL Team**

## General Characteristics

This microphone has a dual-diaphragm 32mm capsule that provides multiple pickup patterns and a very open and detailed sound. Large capsule condensers are very sensitive, readily revealing very subtle sonic details. They also tend to pick up sounds outside the pattern more than some designs, which can lead to powerful feedback if you are not careful. We strongly advise experimentation with placement and isolation requirements with the gain initially set low to avoid equipment (and ear) damaging surprises!

## Contents

Unpack your MXL 4000XL microphone carefully and verify that all of the following items are included:

- MXL 4000XL microphone
- Shock mount
- Wood storage case

If any of these items are missing or damaged, contact the company from which you purchased the microphone.

## Power Requirement

**IMPORTANT** - This unit requires phantom power at 48 volts, +/- 4 volts. Each unit has been thoroughly checked before shipping, so if you do not hear sound, check that the phantom power on your mixer or separate power supply is switched on!

## Microphone Cable

The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphones will sound poor if the interconnect cable allows noise to enter, or causes distortion and loss of information.

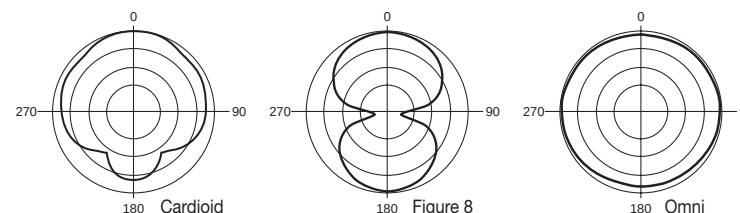
## Care

Dust and foreign material can degrade the performance of a microphone over time, so always store the unit in its box. For vocals closer than 3", use a pop filter or a foam windscreen to avoid getting moisture on the diaphragm as this can substantially degrade the microphone's performance. Store the microphone in its original packaging in a cool, dry place along with the included packet of silica gel.

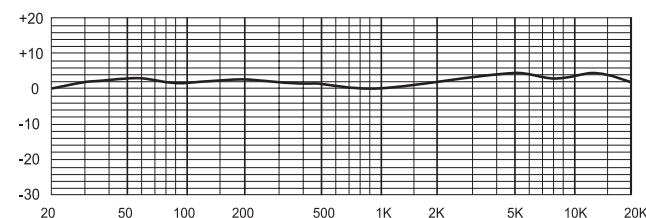
## Specifications

|                        |                                                      |
|------------------------|------------------------------------------------------|
| Type                   | Pressure-gradient multi-pattern condenser mic.       |
| Diaphragm              | 6-micron, gold sputtered                             |
| Frequency Response     | 20 Hz–20 kHz                                         |
| Polar Pattern          | Cardioid/Figure-8/Omni-directional switch selectable |
| Impedance              | 200 ohms                                             |
| Sensitivity            | 18 mV/Pa                                             |
| Pre-Attenuation Switch | 0 dB, -10 dB                                         |
| High Pass Filter       | 6 dB.octave, 150 Hz                                  |
| Equivalent Noise       | 20 dB (A-weighted IEC 268-4)                         |
| S/N Ratio              | 74 dB (Ref. 1Pa A-weighted)                          |
| Max SPL for 0.5% THD   | 130 dB                                               |
| Power Requirement      | 48V phantom power ( $\pm$ 4V)                        |
| Current Consumption    | < 5.5 mA                                             |
| Size                   | 2.5" x 10.75" (63.5mm x 273mm)                       |
| Weight                 | 2.15 lbs (975 g)                                     |
| Metal Finish           | Blue/Nickel                                          |

## Polar Patterns



## Frequency Chart



## Warranty

MXL microphones are guaranteed against defects in materials and workmanship for three years from the date of purchase. If you encounter any problem with this unit, promptly contact the company from which you purchased it for assistance. The original dated sales receipt will be necessary for any warranty claim. Do not send any unit directly to us without prior authorization from our service department.