

Warranty

MXL microphones are guaranteed against defects in materials and workmanship for one year 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. Warranty coverage is limited to repair or replacement (at our option) of the microphone, and does not cover incidental damages due to use of this unit, nor damage caused by accidental misuse of this product.



MXL-4000



A Division of Marshall Electronics

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Large-Capsule Studio
Recording Microphone

MXL-4000

Studio Recording Microphone



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

Contents

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

- MXL 4000 Microphone
- Custom foam windscreen
- High-isolation shockmount
- Wooden storage box

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

General Characteristics

This microphone has dual 25mm gold-sputtered diaphragms providing 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!

Power Requirements

IMPORTANT - This unit requires phantom power at 48 volts, ± 4 volts. Each unit has been thoroughly checked before shipping, so if you hear no sound, check that the phantom power on your mixer or separate power supply is switched on!

Isolation Mount

The high isolation shock mount may shift during shipping. Simply shift the elastic bands to center the microphone in the assembly. Be sure that the wire clamp does not rest on the chassis of the mount, as this impairs mechanical isolation. Slide the mount all the way to the rim of the microphone grill for the most secure hold.

Microphone Cables

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

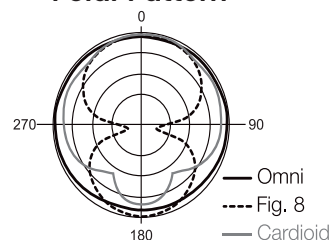
Dust and foreign material can degrade the performance of a microphone over time so always store the unit in its box. For vocals closer than 3", use a "popper stopper" or a foam windscreen to avoid getting moisture on the diaphragm as this can substantially degrade the microphone's performance. Store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

Patterns

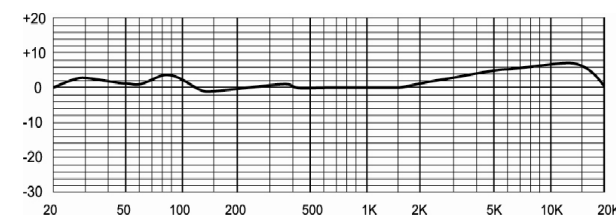
Always turn down levels before switching patterns on microphones. The MXL 4000 has three pickup patterns selectable by use of the 3-position switch on the front of the microphone:

1. **Cardioid** is the most common pattern for recording vocals or instruments as all the sound is picked up by the front of the microphone.
2. **Omni** which is used for ambient or room micing or to record a more natural sounding instrument. The microphone picks up from all sides.
3. **Figure Eight** which is used for interviews or 2 people singing into opposite sides of the microphone. The microphone picks up from the front and rear in the figure eight position.

Polar Pattern



Frequency Chart



Technical Specifications

Type:25mm, six micron condenser pressure gradient diaphragm

Frequency Response:20-20KHz

Polar Pattern:..... Cardioid/Figure eight /Omni-directional switch-selectable

Max SPL for .5% THD:..... 130dB

Sensitivity:15mV/pa

Output Impedance:200ohms

S/N Ratio..... 74dB (Ref.1PA,Aweighted)

Equivalent Noise Level:20dB(Aweighted IEC268-4)

High Pass Filter:6dB/octave,150HZ

Preamplification Switch: 0/-10dB

Power Requirements:48Vphantom power(+/-4V)

Weight:1.60lb

Dimension:59x240mm

Metal Finish: Blue/Nickel