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.

A Division of Marshall Electronics

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990



Pressure Gradient

Condenser Microphone

990

Pressure-Gradient
Condenser Microphone

Thank you for choosing the **MXL 990 Pressure-Gradent Condensesr Microphone.** For best results, please take a few moments to read this manual and familiarize yourself with proper operation and care of this microphone.

Contents

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

- MXL 990 Mic
- Custom Shockmount
- Mic Stand Adapter
- Carrying Case

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

General Characteristics

This microphone has a 22mm capsule with a gold-sputtered diaphragm and a fixed cardioid pickup pattern. Condenser microphones 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) damage. It is strongly advised to use a mesh pop-filter to avoid moisture from damaging the capsule.

Power Requirements

IMPORTANT - This unit requires phantom power at 48 volts, +/- 4 volts, in order to operate. 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.

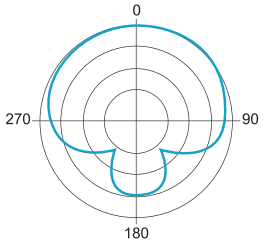
Microphone Cable

The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphone will sound poor if the interconnect cable allows noise to enter or causes distortion and loss of information. We recommend that you use the best microphone cable that your budget will allow.

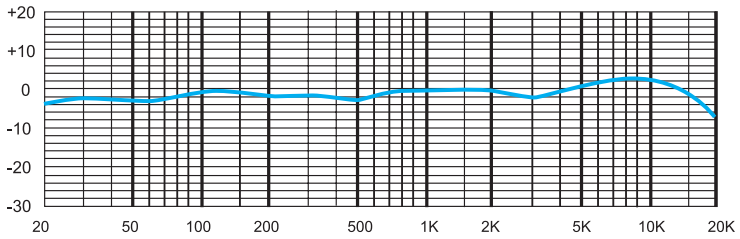
Shock Mount

The MXL shock mount can shift in shipment. Simply shift the nylon 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 for the most secure hold.

Polar Pattern



Frequency Chart



Technical Specifications

Type:	Pressure gradient condenser microphone
Capsule:	6 micron gold-sputtered
Frequency Response:	20 Hz – 20 kHz
Polar Pattern:	Cardioid
Sensitivity:	15mV/Pa
Max SPL for .5% THD:	130 dB
Impedance:	200 ohms
Equivalent Noise Level:	20 dB (A-weighted IEC 268-4)
Power Requirements:	Phantom power 48V (+- 4V)
Size & Weight:	60mm x 130mm / 2.36 in. x 5.11 in 544.3g / 1.2 lbs
Metal Finish:	Champagne

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.