

# Marshall Electronics, Inc.

Product Innovation Through Technical Excellence!

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**Thank you** for purchasing the MXL 190 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.

## General Characteristics

This microphone has a 1" gold-sputtered diaphragm and a very open and unconstrained cardioid pickup pattern. 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. Use only the best microphone cable your budget will allow.

## Care

Dust and foreign material can degrade the performance of a microphone over time so always store the unit in its case. 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. These steps will help keep the mic in proper working order and sounding its best through the coming millennium.

## Data

<b>Type:</b>	Six micron condenser pressure gradient capsule
<b>Frequency Response:</b>	20-20KHz
<b>Polar Pattern:</b>	Cardioid
<b>Sensitivity:</b>	22mV/pa
<b>Output Impedance:</b>	150 ohms
<b>Max SPL:</b>	130 dB , 140 dB w/-10dB cut
<b>S/N Ratio:</b>	77dB (Ref. 1 PA, A weighted)
<b>Equivalent Noise Level:</b>	18dB (A weighted IEC 268-4)
<b>High Pass Filter:</b>	6dB/octave, 150HZ
<b>Preattenuation Switch:</b>	0/-10dB
<b>Metal Finish:</b>	Champagne
<b>Weight:</b>	1.5 lbs.
<b>Operating Voltage:</b>	48V phantom power (+- 4V)

## Warranty

Marshall microphones are guaranteed against defects in material and workmanship for three years from date of purchase. Should you encounter any problem with this unit, promptly contact the company you purchased it from 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.