

# Marshall Electronics, Inc.

Product Innovation Through Technical Excellence!

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**Thank you** for purchasing the MXL 3000 Condenser 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 twenty-five millimetre 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) 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!

## Microphone Cables

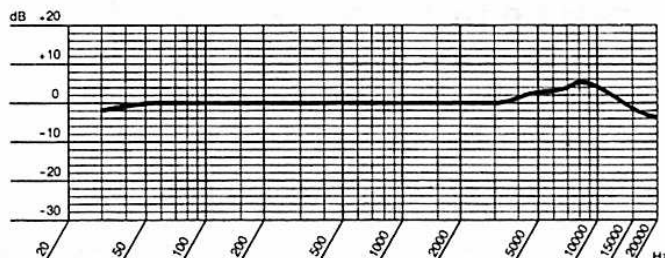
The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphones will sound poor if the interconnect cable allows noise to enter, or causes distortion and loss of information. Use only the best microphone cable your budget will allow.

## Care

Dust and foreign material can degrade the performance of a microphone over time so always store the unit in its case. Remove fingerprints from the exterior with a damp soft cloth. Clean the gold contacts occasionally with a de-oxidant/cleaner. For vocals use a "popper stopper" or a foam windscreen to avoid getting moisture on the diaphragm as this can substantially degrade the microphone's performance.

## TECHNICAL DATA

<b>Type:</b>	25mm gold diaphragm capsule
<b>Frequency Response:</b>	30-20 KHz
<b>Polar Pattern:</b>	Cardioid
<b>Sensitivity:</b>	16 mV/pa
<b>Output Impedance:</b>	200 ohms
<b>Max SPL:</b>	130 dB
<b>S/N Ratio:</b>	75dB, 1kHz @ 1Pa
<b>Equivalent Noise Level:</b>	19dB (A weighted IEC 268-4)
<b>Operating Voltage:</b>	48V phantom power (+- 4V)
<b>Current Consumption</b>	<3.5mA
<b>Weight:</b>	1.15 lbs.
<b>Metal Finish:</b>	Blue Body / Brushed Grill



## 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.