

Marshall Electronics, Inc.

Product Innovation Through Technical Excellence!

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Thank you for purchasing the MXL 960 Tube 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 an internal vacuum tube preamp and does not require additional external pre-amplification. As tubes are well known to generate heat, it is preferable that the MXL 960 be used in an inverted position. Always insure that the MXL 960 is securely seated in the included clip. Additionally, do not "hot plug" the mic. Always make sure that the power supply is off when plugging and unplugging the included seven-pin mic cable from the microphone. Large capsule tube 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 the dedicated power supply. This supply is switchable between 115 volts and 230 volts AC. In North America the microphone ships in the 120 volts AC position and in the 230 Volts AC for export. Every Marshall Electronics MXL mic has been thoroughly checked before shipping; so if you hear no sound, check that the power supply is switched on.

Microphone Cables

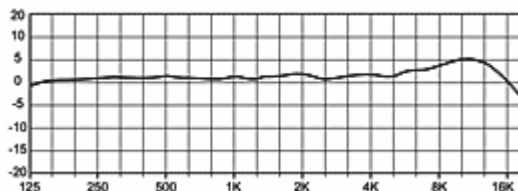
The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphones will sound poor if the interconnect cable allows noise to enter, or causes distortion and loss of information. We highly recommend exclusively using the cables supplied with the MXL 960.

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.

Data

Type:	25mm gold diaphragm condenser
Frequency Response:	20Hz – 20 kHz
Polar pattern:	Cardioid
Sensitivity:	20mV/Pa
Max SPL for .5 %THD:	135 dB
Impedance:	200 ohms
S/N Ratio:	78dB (Ref. 1Pa A-weighted)
Equivalent noise:	13db (A-weighted IEC 268-4)
Tube Type:	12AT7 or equivalent
Power Requirement:	120/230V 50/60 hz.
Current Consumption:	<3.0mA
Weight:	1.75 lb
Dimensions:	58mm x 220 mm
Metal Finish:	Champagne



Warranty

Marshall microphones are guaranteed against defects in material and workmanship for three years (except tube which is one year) 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.