

# Marshall Electronics, Inc.

*Product Innovation Through Technical Excellence!*

1910 East Maple Ave. El Segundo, CA 90245

Phone: (310) 333-0606 Fax: (310) 333-0688 E-Mail: Sales@MXLmics.com

Internet: [www.MXLmics.com](http://www.MXLmics.com)

**Thank you** for purchasing the MXL 992 Condenser microphone. With proper care, this mic will provide many years of satisfaction. To get the 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 sensitive, readily revealing very subtle sonic details. They also tend to pick up sounds outside the pattern more than some designs. This can lead to powerful feedback if you are not careful. We strongly advise experimentation with placement and isolation requirements. 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 to get the best sound, check that the phantom power on your mixer or separate power supply is switched on!

## Microphone Cables

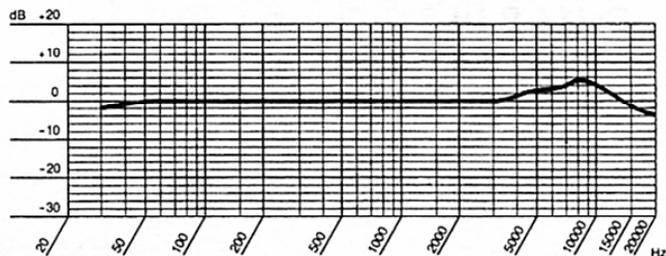
The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphones will sound better if a good interconnect cable allows noise to enter, or causes distortion and loss of information. Use only the best microphone cable your budget allows.

## 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 stop" or windscreen to avoid getting moisture on the diaphragm as this can substantially degrade the microphone's performance.

## TECHNICAL DATA

<b>Type:</b>	Six micron condenser pressure gradient capsule
<b>Frequency Response:</b>	25-20 KHz
<b>Polar Pattern:</b>	Cardioid
<b>Sensitivity:</b>	15mV/pa
<b>Output Impedance:</b>	200 ohms
<b>Max SPL:</b>	130 dB , 140 dB w/-10dB cut
<b>S/N Ratio:</b>	80dB (Ref. 1 PA, A weighted)
<b>Equivalent Noise Level:</b>	10dB (A weighted IEC 268-4)
<b>High Pass Filter:</b>	6dB/octave, 150HZ (Internal switch)
<b>Preattenuation Switch:</b>	0/-10dB
<b>Metal Finish:</b>	Champagne
<b>Weight:</b>	2 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 have any problem with this unit, promptly contact the company you purchased it from for assistance. The original dated sales receipt will be required for any warranty claim. Do not send any unit directly to us without prior authorization from our service department! Warranty covers repair or replacement (at our option) of the microphone, and does not cover incidental damages due to use of this unit, nor damage due to accidental misuse of this product.

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**Thank you** for purchasing the MXL 993 Instrument 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-two 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

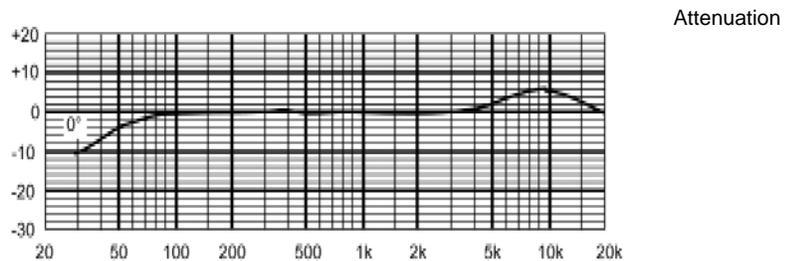
The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphones will sound poor if the interconnect cable allows noise to enter, or causes distortion and loss of information. Use only the best microphone cable your budget will allow.

## 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 clean soft cloth.

## TECHNICAL DATA

Type:	Condenser pressure gradient mic with large 20 mm diaphragm
Frequency Range:	30Hz-20kHz
Polar Pattern:	Cardioid
Sensitivity:	10mV/Pa
Impedance:	200 ohms
S/N Ratio:	80dB (Ref. 1Pa A-weighted)
Equivalent Noise	18dB(A weighted IEC 268-4)
High Pass Filter:	6dB/octave, 100HZ switchable
Switch:	0/-10dB
Max SPL for 0.5% THD:	134dB
Power Requirements:	Phantom Power 48V ±4V
Current Consumption:	<3.0mA
Size:	24mm x 215mm
Weight:	200g
Metal Finish:	Champagne



## Warranty

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