



# 606

## Small Diaphragm Instrument Microphone

Marshall Electronics, Inc.  
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Thank you for purchasing the MXL 606 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 millimetre gold-sputtered diaphragm with a fixed cardioid pickup. In addition, the microphone has a switchable High Pass Filter set at 6 dB/octave @ 150Hz useful for eliminating troublesome unwanted low frequencies. In addition it has a 20 dB pad switch, (Pre-attenuation switch) to prevent overloading the microphones internal circuitry at high sound pressure levels.

Condenser microphones are by their nature very sensitive, readily revealing very subtle sonic details. They also tend to pick up ambient sounds more than dynamic microphones, 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 hearing damage!

### Power Requirements

**IMPORTANT** - This unit requires phantom power at 48 volts, +/- 4 volts. 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 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. We recommend using Mogami® brand cable.

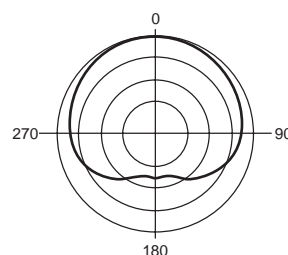
### Care

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.

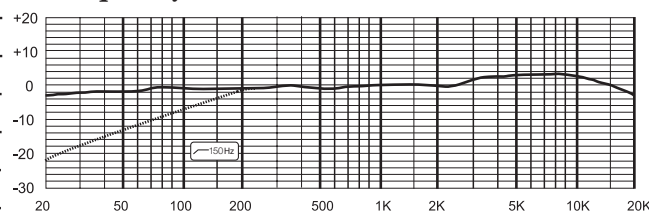
### Specifications

Type:	Pressure gradient condenser mic
Diaphragm:	Gold-sputtered, 6 micron
Frequency Range:	20 Hz-20 kHz
Polar Pattern:	Cardioid
Sensitivity:	-37dB re 1 V/Pa
Impedance:	150 ohms
S/N Ratio:	77dB
Equivalent Noise Level:	-17dBA (A-weighted IEC 268-4)
Max SPL for 0.5% THD:	137dB SPL
High Pass Filter:	6dB/Octave @ 150Hz
Pre-Attenuation Switch:	0dB, -20dB
Power Requirements:	Phantom Power 48V ± 4V
Size:	110mm x 23mm/4.3 in. x 0.89 in
Weight:	0.25 lbs/113g
Metal Finish:	Nickel Plated

### Polar Pattern



### Frequency Chart



### 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.