



606



Small Diaphragm

Condenser Instrument Microphone

**Marshall Electronics**

Professional Audio Division

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Thank you for choosing the MXL 606 Instrument Condenser microphone. With proper care, this mic will provide many years of satisfaction. To get the best results, please take a few moments to read this manual.

Enjoy your microphone!

## The MXL Team

## 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!

## Contents

Unpack your MXL 606 microphone carefully and verify that all of the following items are included:

- MXL 606 microphone
- Carrying case
- Hard mount mic stand adapter

If any of these items are missing or damaged, contact the company from which you purchased the microphone.

## Power Requirement

The MXL 606 requires 48V phantom power ( $\pm 4V$ ). If no sound is picked up by the microphone, make sure that the phantom power on your mixer or separate power supply is switched on.

## Microphone Cable

The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphone will sound poor if the interconnect cable allows noise to enter or causes distortion and loss of information. We recommend that you use the best microphone cable that your budget will allow.

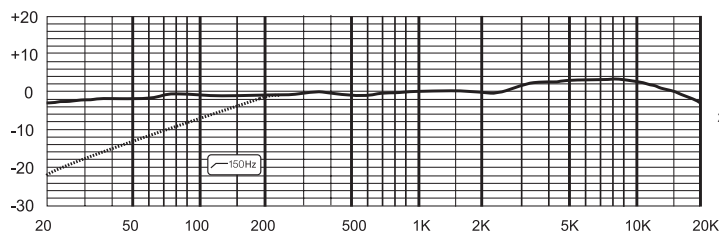
## Care

Dust and foreign material can reduce the performance of a microphone over time, so you should store the MXL 606 in its case when not in use.

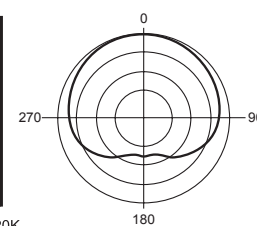
## Specifications

Type	Pressure gradient condenser mic
Diaphragm	Gold-sputtered, 6 micron
Capsule Size	22mm/.87 in.
Frequency Response	20 Hz-20 kHz
Polar Pattern	Cardioid
Impedance	150 ohms
Sensitivity	-37dB re 1 V/Pa
S/N Ratio	77 dB
Equivalent Noise	-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 Requirement	Phantom Power 48V $\pm$ 4V
Size	110mm x 23mm/4.3 in. x 0.89 in
Weight	0.25 lbs/113g
Metal Finish	Nickel Plated

## Frequency Chart



## Polar Pattern



## Warranty

Marshall microphones are guaranteed against defects in materials and workmanship for one year from date of purchase. Should you encounter any problem with this unit, promptly contact the company from which 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.