



990 XL



Pressure-Gradient

Condenser Microphone

Marshall Electronics
Professional Audio Division

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MXL 990 XL

Thank you for choosing the MXL 990XL condenser microphone. With proper care, this microphone will provide many years of outstanding performance.

To get the best results, please take a few moments to read this manual.

Enjoy your microphone!

The MXL Team

General Characteristics

The MXL 990XL has a 6-micron, gold-sputtered diaphragm and a fixed cardioid pickup pattern. Condenser microphones are very sensitive and reveal very subtle sonic details. They also tend to pick up sounds from outside the pickup pattern more than some other designs do, which can lead to powerful feedback if you are not careful.

We recommend that you experiment with the microphone's placement and isolation, with the gain initially set low to avoid damage to your equipment and hearing. We also recommend that you use a mesh pop filter to prevent moisture from damaging the microphone's capsule.

Contents

Unpack your MXL 990XL microphone carefully and verify that all of the following items are included:

- MXL 990XL microphone
- Shock mount

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

Power Requirement

The MXL 990XL 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.

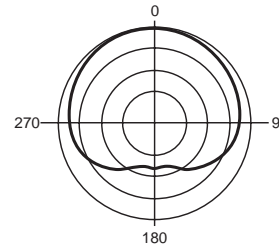
Care

Dust and foreign material can reduce the performance of a microphone over time, so you should store the MXL 990XL in its case when not in use.

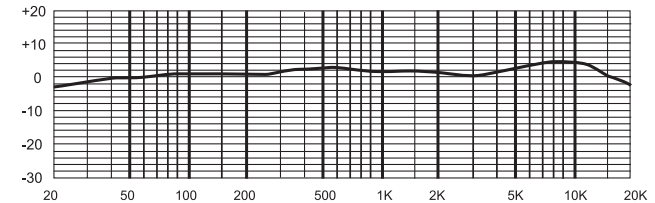
Specifications

Type	Pressure-gradient condenser mic.
Diaphragm	6-micron, gold sputtered
Frequency Response	20 Hz–20 kHz
Polar Pattern	Cardioid
Impedance	160 ohms
Sensitivity	25 mV/Pa
Equivalent Noise	14 dB (A-weighted IEC 268-4)
S/N Ratio	80 dB (Ref. 1Pa A-weighted)
Max SPL for 0.5% THD	138 dB
Power Requirement	48V phantom power ($\pm 4V$)
Current Consumption	< 5.5 mA
Size	2.79" x 6.30" (71mm x 160mm)
Weight	1.35 lbs (612 g)
Metal Finish	Champagne

Polar Pattern



Frequency Chart



Warranty

MXL microphones are guaranteed against defects in materials and workmanship for three years from the date of purchase. If you encounter any problem with this unit, promptly contact the company from which you purchased it 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.