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SERIES



Low-Noise Condenser Microphone

Marshall Electronics

Professional Audio Division

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Thank you for purchasing the **MXL Cr89** low-noise 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.

Enjoy your microphone!

The MXL Team

General Characteristics

The MXL Cr89 is a large diaphragm condenser microphone wrapped in sharply contrasted black and chrome. The sound is every bit as bold as the body; the Cr89 can handle subtle acoustic guitar tones and loud vocals with the same sonic integrity. The Cr89 has low noise circuitry and a very low proximity effect, making it ideal for up-close recording. At home on instruments and vocals, the Cr89's body design minimizes body resonance while the tuned grill cavity reduces standing waves and harmonic distortion.

Shockmount

The high isolation shockmount may shift during shipping. Simply shift the elastic bands to center the microphone in the assembly. Be sure that the wire clamp does not rest on the chassis of the mount, as this impairs mechanical isolation. Slide the shockmount up the body of the microphone and stop just below the pad switch for the most secure hold.

Contents

Unpack your MXL Cr89 microphone carefully and verify that all of the following items are included:

- MXL Cr89 microphone
- Shockmount
- Aluminum Flight case
- Microfiber Cleaning Cloth

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

Power Requirement

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 Cable

This microphone connects to a mixer or preamp via XLR cable (not included). 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 Mogami cable for the best results.

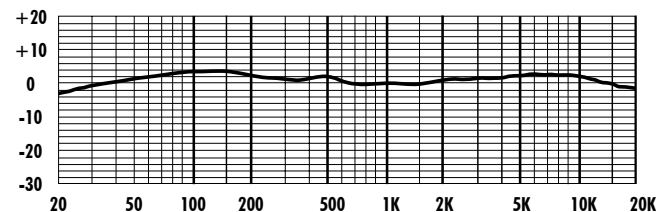
Care

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 pop filter 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 in a cool, dry place along with the included packet of silica gel. These steps will help keep the mic in proper working order and sounding its best for many years to come.

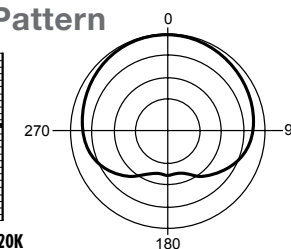
Specifications

Type	Condenser pressure gradient mic with large 32mm capsule
Diaphragm	Gold-sputtered, 6 micron diaphragm
Frequency Response	20 Hz—20kHz
Polar Pattern	Cardoid
Sensitivity	-32dB re 1V/Pa
Impedance	150 ohms
Max output	1K load: + 13 dBu
Max SPL for .5% THD	138 dB SPL
S/N Ratio	80 dB (Ref. 1 Pa A-weighted)
Equivalent Noise Level	14 dB (A-weighted IEC 651)
Dynamic Range	124 dB
Power Requirements	Phantom power 48V \pm 4V
Weight	1.85lbs
Size	64mm x 185mm
Metal Finish	Black and Black chrome

Frequency Chart



Polar Pattern



Warranty

Marshall microphones are guaranteed against defects in material and workmanship for three years from the 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.