



CE90S



Marshall Electronics

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Studio Condenser Microphone

MXL CE90S

Thank you for choosing the MXL CE90S Studio 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 22mm capsule with a 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) damage. In addition, the CE90S has a -10dB pad (pre attenuation) switch and 150Hz low-cut switch. The addition of the pad switch enables the use of the microphone with sound sources producing very high sound pressure levels, without overloading the microphones internal circuitry. The low-cut switch filters out low frequency noise. It is strongly advised to use a mesh pop-filter to prevent moisture from damaging the capsule.

Contents

Unpack your MXL CE90S microphone carefully and verify that all of the following items are included:

- MXL CE90S microphone
- Shock mount
- Carrying case

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

Power Requirement

The MXL CE90S 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 CE90S in its case when not in use.

Shock Mount

The MXL shock mount can shift in shipment. Simply shift the nylon 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 mount all the way to the rim of the microphone for the most secure hold.

Specifications

Type	Pressure-gradient condenser mic
Diaphragm	6-micron, gold sputtered
Frequency Response	30 Hz–20 kHz
Polar Pattern	Cardioid
Impedance	200 ohms
Sensitivity	15 mV/Pa
S/N Ratio	74 dB (Ref. 1Pa A-weighted)
Equivalent Noise	20 dB (A-weighted IEC 268-4)
Max SPL for 0.5% THD	130 dB
Power Requirement	48V phantom power ($\pm$ 4V)
Current Consumption	< 3.0mA
Size	60mm x 130mm / 2.36 in. x 5.11 in.
Weight	1.2 lbs / 544.3g
Metal Finish	Gray

Warranty

This microphone is guaranteed against defects in materials and workmanship for one year 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.