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CR



Marshall Electronics

Professional Audio Division

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Tone Selectable

Condenser Microphone

Thank you for choosing the MXL CR20 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

The CR20 microphone has a 22mm capsule with a gold-sputtered diaphragm and a fixed cardioid pickup pattern. The CR20 is a condenser microphone with a tube emulation switch. The switch changes the tonality to resemble the warm, rich tone of a tube microphone. 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. It is strongly advised to use a mesh pop-filter to prevent moisture from damaging the capsule.

Contents

Unpack your MXL CR20 microphone carefully and verify that all of the following items are included:

- MXL CR20 microphone
- Hard mount mic stand adapter
- Rugged Carrying 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 hear no sound, check 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 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.

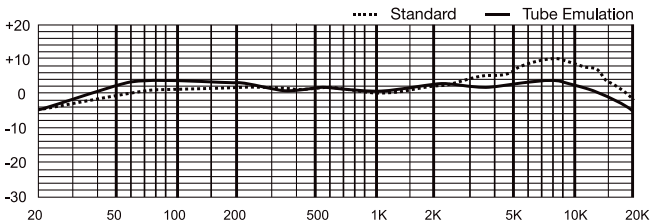
Care

Dust and foreign material can degrade the performance of a microphone over time so always store the unit in its case.

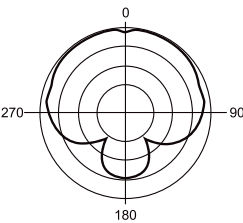
Specifications

	Standard / Tube Emulation
Type	Pressure-gradient condenser mic
Diaphragm	Gold sputtered, 6 micron
Capsule	22mm
Frequency Response	20Hz-20kHz
Polar Pattern	Cardioid
Impedance	200 ohms / 150ohms
Sensitivity	-35dB re 1 V/Pa / -40dB re 1 V/Pa
S/N Ratio	78dB / 72dB
Equivalent Noise	16dBA (A-weighted IEC 651) / 22dBA (A-weighted IEC 651)
Max SPL for 0.5% THD	140dB SPL
Power Requirement	Phantom Power 48V ±4V
Current Consumption	5.5mA
Size	50mm x 178mm
Weight	0.705 lb (320g)
Metal Finish	Black and Black Chrome

Frequency Chart



Polar Pattern



Warranty

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