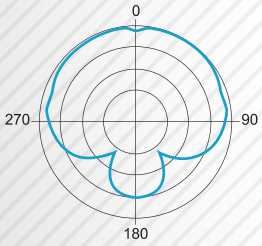
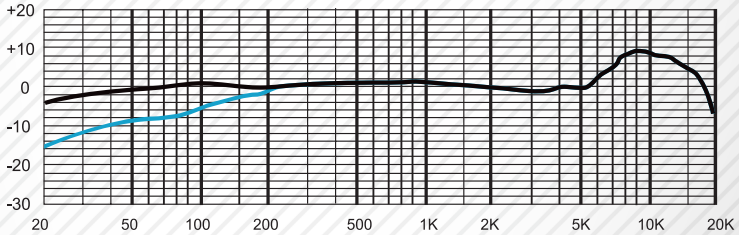
Technical Specifications

Type:	Condenser microphone
Capsule:	22mm gold-sputtered
Frequency Response:	20 Hz – 20 kHz
Polar Pattern:	Cardioid
Sensitivity:	xxx
Impedance:	150 ohms
Attenuation Switch:	0dB, -10dB
High Pass Filter:	6dB/octave @ 150Hz
Equivalent Noise Level:	20 dB (A-weighted IEC 268-4)
Max SPL for .5% THD:	137 dB
S/N Ratio:	74 dB (Ref. 1 Pa A-weighted)
Power requirements:	48V phantom power
Size & Weight:	59mm x 158mm / 2.32 in. x 6.22 in. 453.59g / 1lb
Metal Finish:	Black with black grill

Polar Pattern



Frequency Chart



A Division of Marshall Electronics

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770



Pressure-Gradient Condenser Microphone

770

Pressure-Gradient
Condenser Microphone

Thank you for choosing the MXL 770 Condenser microphone. For best results, please take a few moments to read this manual and familiarize yourself with proper operation and care of this microphone.

Contents

Unpack your MXL 770 Microphone package carefully and verify that all of the following items are included:

- MXL 770 Condenser Microphone
- MX-57 Shockmount
- Carrying Case

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

General Characteristics

This microphone has a twenty millimeter 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. It is strongly advised to use a mesh pop-filter to avoid moisture from damaging the capsule.

Power Requirements

IMPORTANT - This unit requires phantom power at 48 volts, +/- 4 volts, in order to operate. 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

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.

Shock Mount

Your 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.

Bass Roll-Off Switch

The 770 features a bass roll-off switch to help reduce proximity effect. Proximity effect is distortion that often occurs when a sound source is too close to the mic. Some microphone patterns boost bass as you get closer to the micro-Phone; cardioid mies, for instance, tend to boost bass. The bass roll-off switch reduces the low frequencies for a more full range sound.

-10dB Switch

The 770 can be used in very loud sonic environments without significant distortion. If you hear distortion from the microphone, engage the “-10dB pad” on the rear of the microphone to the -10dB position. You may also move the microphone farther away from the sound source.

Care

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

Warranty

MXL microphones are 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. 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.

Specifications, Frequency Chart and Polar Pattern on next page.