



770X Multi Pattern Condenser Microphone Kit



MXL 770X Multi Pattern Condenser Microphone Kit User Manual

[Home](#) » [MXL](#) » MXL 770X Multi Pattern Condenser Microphone Kit User Manual 

Contents

- [1 MXL 770X Multi Pattern Condenser Microphone Kit](#)
- [2 Contents](#)
- [3 General Characteristics](#)
- [4 Power Requirements](#)
- [5 Frequency Chart](#)
- [6 Technical Specifications](#)
- [7 Care](#)
- [8 Warranty](#)
- [9 Selectable Polar Patterns](#)
- [10 CONTACT](#)
- [11 FAQ](#)
- [12 Documents / Resources](#)
 - [12.1 References](#)



MXL 770X Multi Pattern Condenser Microphone Kit



Thank you for choosing the MXL 770X Condenser Microphone Kit. 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 R144 Microphone package carefully and verify that all of the following items are included:

- 770X Mic
- Integrated Pop-Filter
- 20' XLR Cable
- Microfiber Cleaning Cloth

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

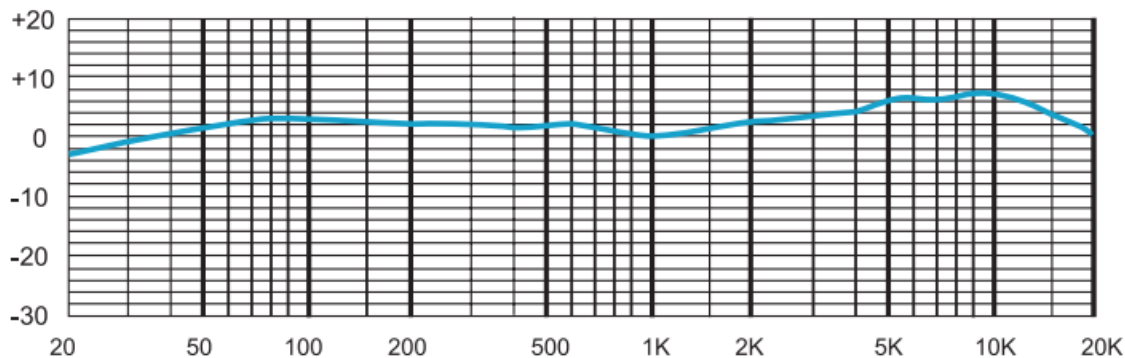
General Characteristics

This microphone has a dual-diaphragm 32mm capsule that provides multiple pickup patterns and a very open and detailed sound. Large capsule condensers 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) damaging surprises.

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.

Frequency Chart



Technical Specifications

- Type:Condenser microphone
- Capsule:
32mm capsule with Gold-sputtered, 6 micron diaphragm
- Frequency Response:.....20 Hz – 20 kHz
- Polar Pattern:.....Cardioid / Figure 8/ Omni
- Sensitivity: -35 dB re 1 V/Pa
- Impedance:200 ohms
- Attenuation Switch:.....0 dB, -10 dB
- High Pass Filter:.....6 dB/Octave @ 135 Hz
- Equivalent Noise:16 dB (A-weighted IEC 651)
- S/N Ratio:.....78 dB (Ref. 1 Pa A-Weighted)
- Max SPL for .5% THD:130 dB/140 dB (0 dB, -10 dB pad)
- Power requirements:48V phantom power (+/- 4V)
- Size & weight: 60mm x 185mm/2.36 in. x 7.28 in. 500 g / 1.1 lbs
- Metal Finish:Black with Black Grill

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.

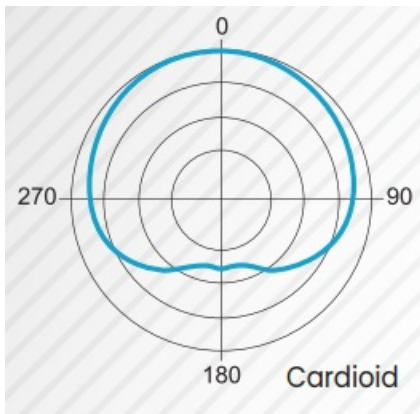
Warranty


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.

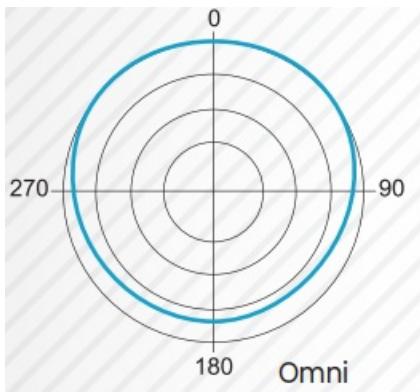
Selectable Polar Patterns


The polar pattern of the microphone indicates how the microphone has been designed to react to incoming sound

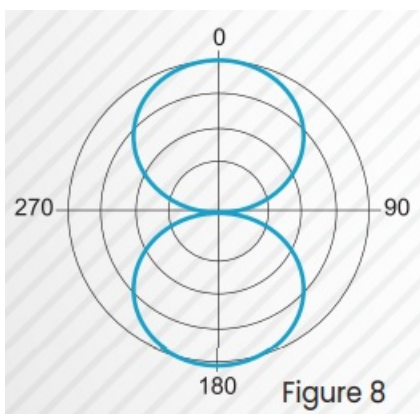
waves. The 770X has the ability to switch between polar patterns to best match the recording environment.




• The **Cardioid**  polar pattern excels at picking up sound from the front of the microphone, less from the sides and has good rejection of sounds to the back of the microphone. Select the cardioid pattern for situations when you want to pick up specific sound sources, such as a specific guitar within an ensemble, and is recommended for recording applications where the acoustics are good, but not perfect. For instance, a cardioid pattern is less likely to pick up ambient noise from computers and recording equipment



• The **Omni-Directional**  polar pattern picks up sound equally from all sides of the microphone. This is best used for recording in environments with excellent acoustics, as the omnidirectional pickup excels at picking up ambient noise. The omni-directional polar pattern is less sensitive to “plosives”, handling noise and the proximity effect



• The **Figure-8**  polar pattern will pick up sounds from the front and back of the microphone with equal sensitivity while maintaining a large amount of rejection 90 degrees off axis. Figure-8 patterns are the most susceptible to proximity effect and are commonly used in Mid-Side (MS) stereo recording setups.

CONTACT

- A Division of Marshall Electronics

- [310-333-0606](tel:310-333-0606)
- [800-800-6608](tel:800-800-6608)
- Fax: [310-333-0688](tel:310-333-0688)
- www.mxlmics.com
- sales@mxlmics.com

FAQ



- **Q: What power requirements does the MXL 770X have?**
 - A: The MXL 770X requires phantom power at 48 volts, +/- 4 volts to operate. Make sure your mixer or power supply provides this voltage.
- **Q: What should I do if I don't hear any sound from the microphone?**
 - A: Check that the phantom power on your mixer or separate power supply is switched on. The microphone may not function without the required power.

Documents / Resources



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 770X, R144, 770X Multi Pattern Condenser Microphone Kit, 770X, Multi Pattern Condenser Microphone Kit, Pattern Condenser Microphone Kit, Condenser Microphone Kit, Microphone Kit

References

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-  [MXL Mics – Create With MXL](#)
- [User Manual](#)

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