

User's Guide



Introduction

Congratulations on your purchase of **cosMik 10**, a professional studio condenser microphone that can be universally used for voice and vocals, instruments like acoustic guitars, in front of a guitar cabinet and much more. It features a cardioid polar pattern, which means that it will pick up the sound directly from the front, while rejecting the sound from the rear of the microphone. That makes it possible to position **cosMik 10** so that you record only the desired source, while the sound from other sources will be reduced.

Content



Usage

To use **cosMik 10**, you would either hold it in your hand, for instance if you are recording your own vocals in a situation where you might possibly be moving your head, or you would fix it to the included microphone holder which can be mounted on the included table stand or to a separate, not included, larger microphone stand. That could be a good setup in case you want to position it in a fixed position, for instance in a recording booth or in front of a guitar combo.

When you position the microphone, make sure that the front (the side the power LED is located and the ESI logo is printed on) is pointing to the signal source. In many cases it can be a good idea to use the included windshield foam over the microphone as it will reduce sounds from airflow like wind or breath blasts for instance. Keep in mind that using it will slightly dampen the higher frequencies of the signal.

Before you start recording and after connecting **cosMik 10** with the included XLR cable, set the gain level of your microphone amplifier (or microphone input on an audio interface or mixer) to the

minimum level. Then turn on the +48V phantom power there. After that, you can adjust the gain level from low to high until you have reached the desired level. Make sure to avoid that the input signal reaches peak level when your sound source is very loud, something that is typically indicated by a red LED or via the level meter display inside a computer software - otherwise your signal would be distorted.

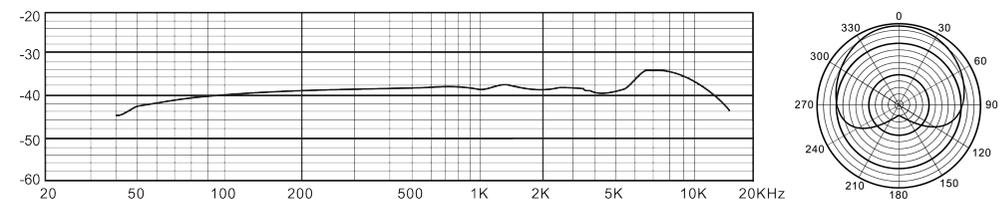
To avoid feedback, make sure that the microphone is not directly pointed at the speakers you are using and that they are a sufficient distance away. If you can avoid using speakers and monitor signals via headphones, that can be better in some situations.

Note that **cosMik 10** will provide years of high end studio quality results. However, it is a sensitive device, so to make sure the results are not changing, avoid dropping and don't expose it to moisture or extreme temperatures.

Specifications

condenser studio microphone | cardioid polar pattern | special 1" diaphragm size
frequency response: 30Hz - 18kHz | dynamic range: > 132dB | max. SPL: 135dB
output impedance: 100 ohm | 5dB self noise (A weighted)
requires +48V phantom power | XLR connector | weight: around 160g

Frequency Response Graph | Polar Pattern at 1kHz



Correspondence | Trademarks

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cosMik 10

Professional Studio Condenser Microphone