

EHRLUND  
MICROPHONES

NANO  
MANUAL

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## **GETTING STARTED WITH YOUR NANO**

1. Plug in the microphone using any standard 3-pin XLR cable.
2. Turn on 48V Phantom power for your microphone at the audio interface you are using.
3. Set the mixer channel EQ completely flat to begin with.
4. Listen to your microphone to make sure that equalizers are turned off and everything sounds alright. Try making high frequency and low frequency noises by mouth, such as “sss”, “chh”, “bop” and “pom”. This is for ensuring a natural sound.
5. (Optional) Turn the EQ to your desired setting, or apply whatever filters you find necessary.

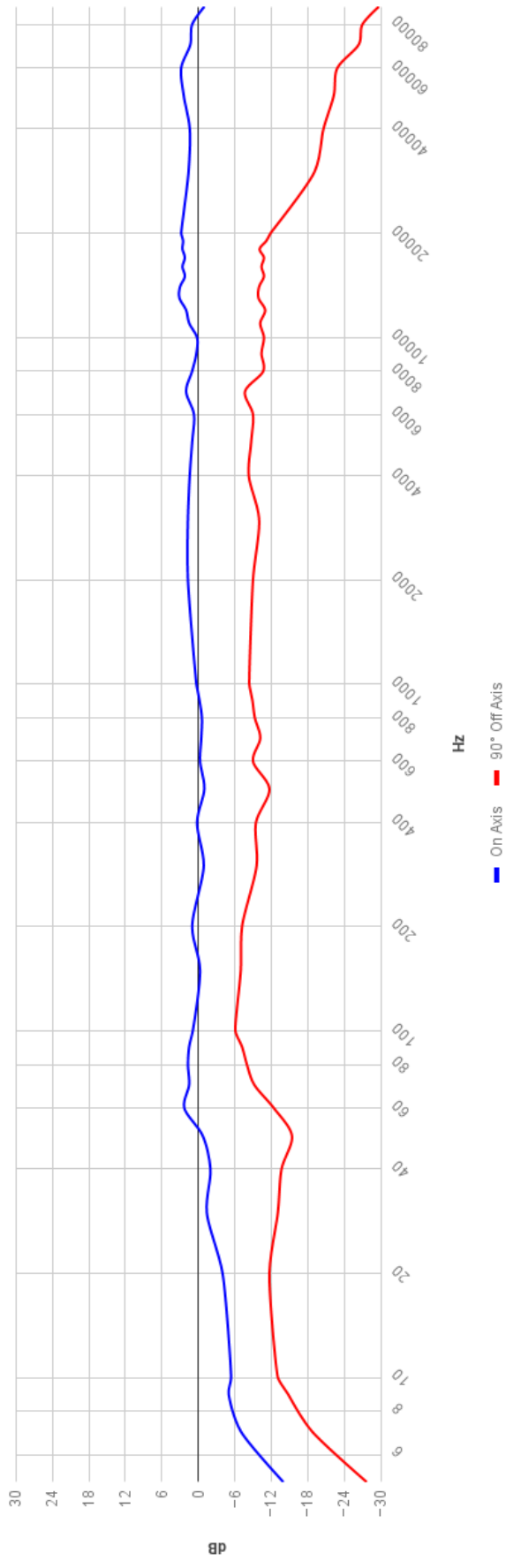
*Good luck and have a great time performing!*

## **TIPS**

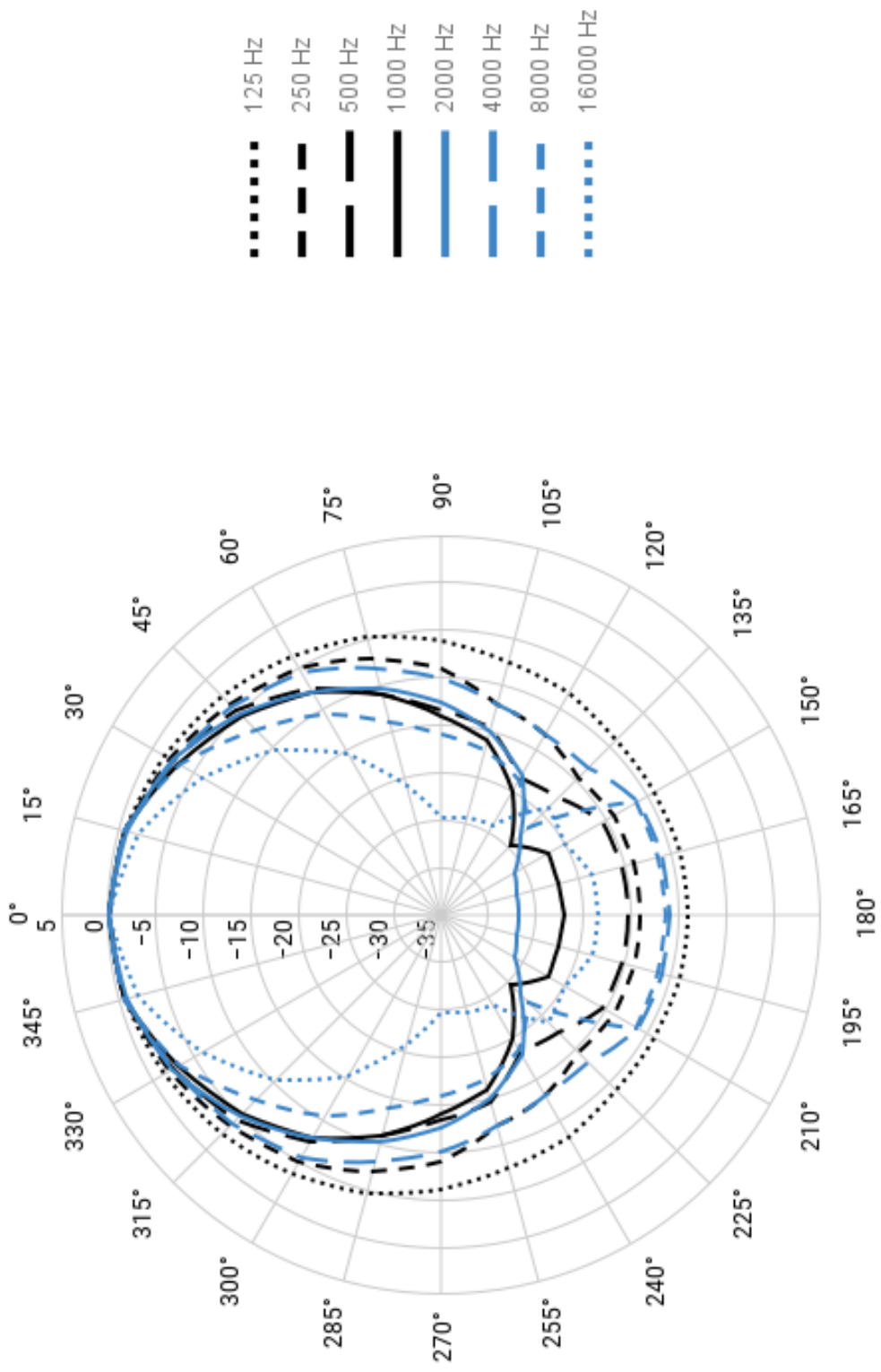
1. To get the absolutely best low-noise experience out of your Ehrlund microphone we suggest using it together with high quality shielded cables and a power source that has a centre-tapped transformer to deliver Phantom power.
2. If you have any questions about your Ehrlund microphone please feel free to email us at [info@ehrlund.se](mailto:info@ehrlund.se).

*Our microphones have a sound that is a bit different from other conventional microphones, we encourage experimenting with EQ to get your own unique sound, or just go with a flat EQ and get a really clear, airy and transparent sound.*

NANO Frequency Response  $\pm 2$  dB (Cardioid)



# NANO Polar Pattern (15°)



## **STUDIO EXCELLENCE**

The NANO is a Swedish manufactured condenser microphone for studio and home studio use, it has been designed to deliver the cleanest sound possible. Its patented triangular membrane design has been allied to a patented very low noise and low power phantom feed amplifier. The NANO microphone has both broad and smooth pickup characteristics. This microphone has impressive stats in self-induced noise, sensitivity and frequency range.

## **CHARACTERISTICS AND FEATURES**

- Large Diaphragm Condenser Microphone
- Patented triangular membrane
- Patented internal amplification and power circuits
- Optimised for studio environments
- Transparent and natural sound
- Great low-noise performance
- Phase and frequency linear internal amplifiers
- Broad pickup range, linear frequency response even at distance or off axis
- Natural reproduction of fast transients
- Colouring of sound is negligible and true to the original source
- Frequency range spans from infrasonic bass to ultrasonic treble
- Low energy consumption, ~2.0 mA
- No pre-filtering needed, Ehrlund microphones are made for flat EQs
- Handles all impedances without altering frequency or phase

## IMPEDANCE

Due to our patented electronics, the frequency response is not affected by variances in impedance from the mixing console. For example, you should experience the same frequency response using a mixing console at 200  $\Omega$  as one at 2000  $\Omega$ .

## POWER SUPPLY

48 V / 2.0 mA Phantom power through 3-pin XLR-connector.

## CABLE

Standard 3-pin XLR microphone cable.

## MICROPHONE STAND

Standard USA threads.

5/8" with an included and pre-mounted removable adapter for 3/8".

## NANO TECHNICAL SPECIFICATIONS

<b>Type</b>	Condenser Microphone
<b>Membrane Type</b>	Triangular membrane, combines the characteristics of both large and small membranes
<b>Pickup pattern</b>	Cardioid
<b>Frequency range</b>	7 Hz - 87000 Hz
<b>Sensitivity at 1kHz</b>	-33 dBV/Pa (23 mV/Pa)
<b>Impedance</b>	Handles all impedances
<b>Equivalent noise level</b>	< 8 dBA
<b>Signal-to-Noise</b>	86 dBA
<b>Dynamic Range</b>	123 dB
<b>Max SPL (peak)</b>	
<b>0.5% THD</b>	125 dB
<b>1% THD</b>	131 dB
<b>Power supply</b>	48 V Phantom power
<b>Current Consumption</b>	2.0 mA
<b>Connector</b>	XLR 3-pin
<b>Materials</b>	Aircraft-grade aluminium body, hardened nickel-plated stainless steel net
<b>Finish</b>	Black anodized
<b>Dimensions</b>	Ø49 mm x 125 mm
<b>Weight</b>	290 grams