

EHRLUND  
MICROPHONES

EHR-D  
MANUAL

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## GETTING STARTED WITH YOUR EHR-D

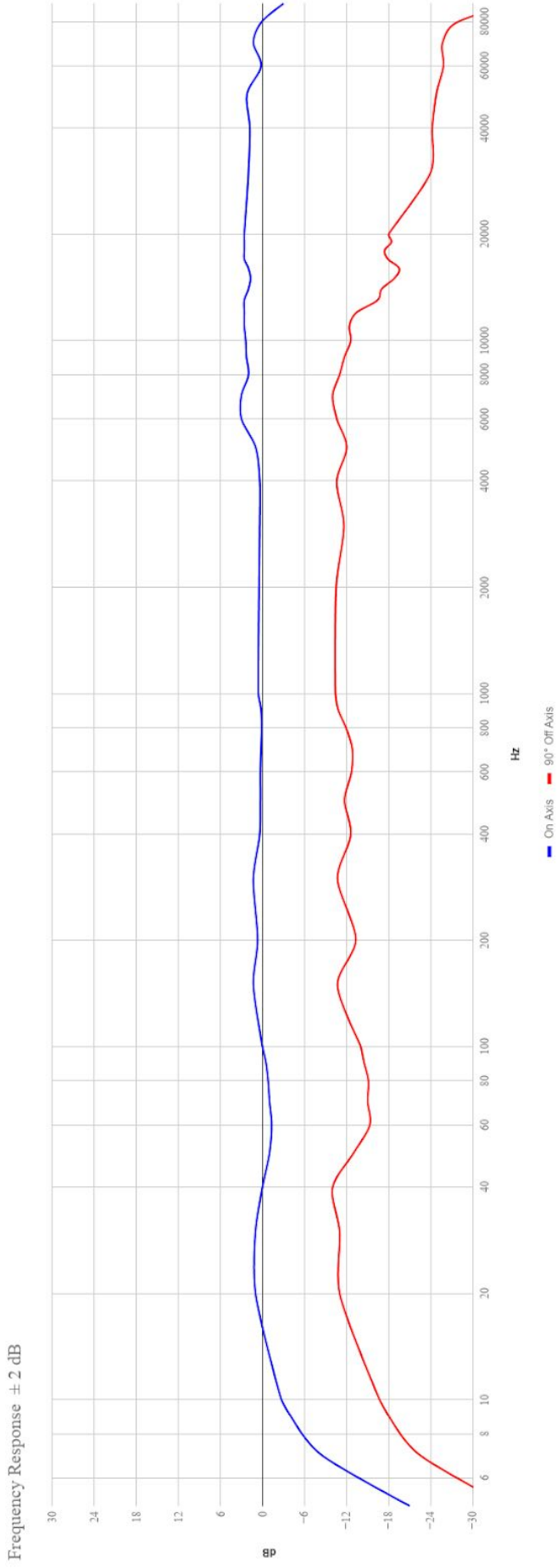
1. Plug in the microphone using any standard 3-pin XLR cable.
2. Turn on 48V Phantom power for your microphone at the audio interface you are using.
3. Set the mixer channel EQ completely flat to begin with.
4. Listen to your microphone to make sure that equalizers are turned off and everything sounds 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!*

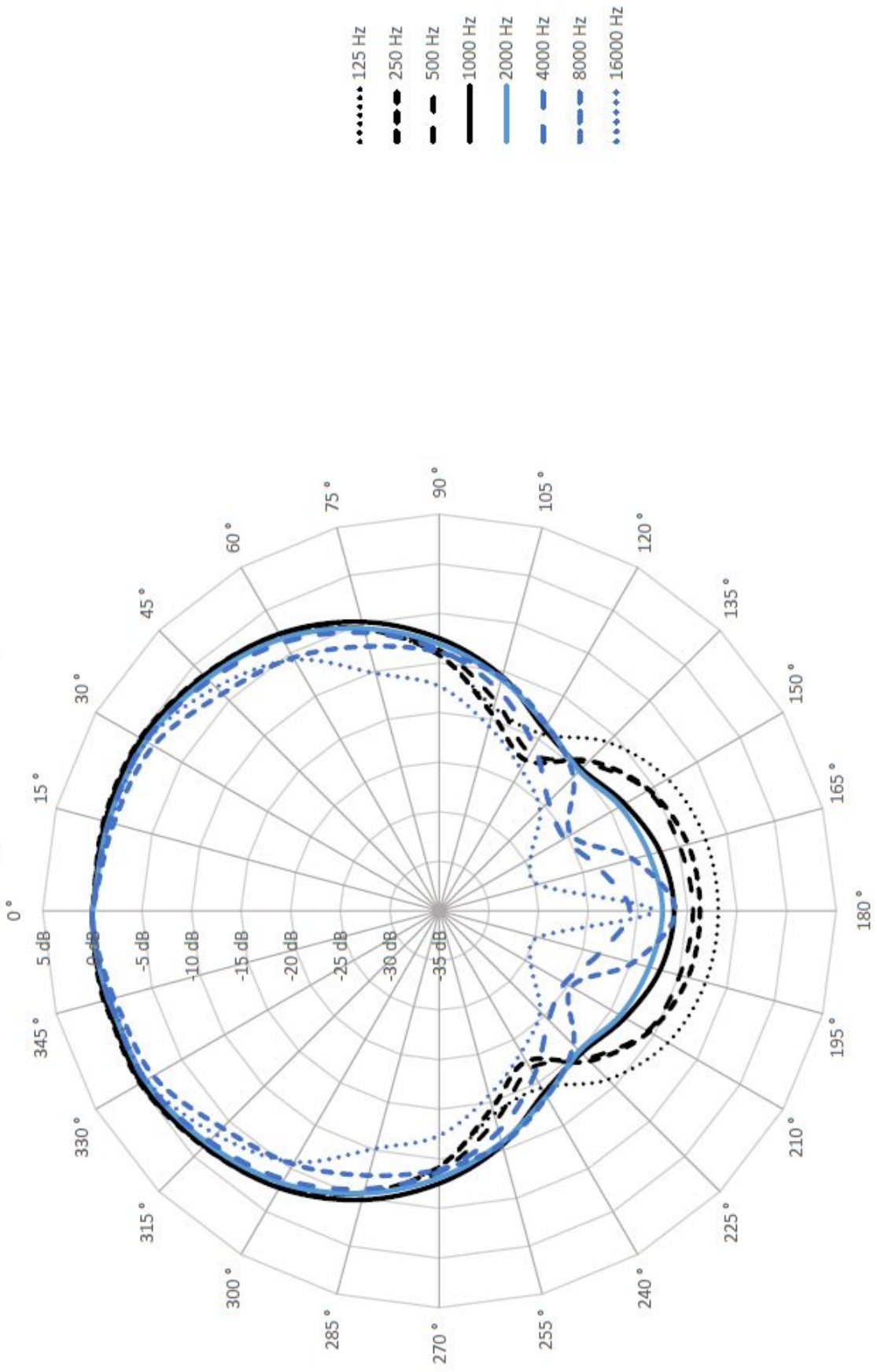
## TIPS

6. 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.
7. 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.*



Polar Pattern (15°), Ehrlund Microphones EHR-D



## **DURABLE EXCELLENCE**

The EHR-D is the smallest, lightest and most durable of our large diaphragm condenser microphones. It is optimised for live performances and to make recordings of percussion, strings, woodwind and other types of instruments. The coarse dirt filter, robust design and compact size makes it perfect for musicians on tour. It has a slightly narrower polar pattern than true cardioid which makes it great for miking instruments without getting other sounds “bleeding in” from the sides.

## **CHARACTERISTICS**

- Large Diaphragm Condenser Microphone
- Patented internal amplification and power circuits
- Patented triangular membrane
- Optimised for live environments and instrument recording
- Transparent and natural sound
- Great low-noise performance
- Phase and frequency linear internal amplifiers
- Compact size and weight
- Built in coarse dirt filter
- Durable design, built to endure the rough life on tour
- Slightly narrower cardioid pattern resulting in less “bleed” from the sides
- Bass frequencies are picked up in an accurate way even at some distance
- Natural reproduction of fast transients
- Handles sound pressure up to 137dB for <1% THD
- 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, Ehlund microphones are made for flat EQs
- Each and every Ehlund microphone is stereo matched with its own model
- 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".

## EHR-D TECHNICAL SPECIFICATIONS

<b>Type</b>	Handheld 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>	-42 dBV/Pa (8 mV/Pa)
<b>Impedance</b>	Handles all impedances
<b>Equivalent noise level</b>	< 9 dBA
<b>Signal-to-Noise</b>	85 dBA
<b>Dynamic Range</b>	128 dB
<b>Max SPL (peak) Clip</b>	155 dB
<b>0.5% THD</b>	132 dB
<b>1% THD</b>	137 dB
<b>Power supply</b>	48 V Phantom power
<b>Current Consumption</b>	2.0 mA
<b>Connection</b>	XLR 3-pin
<b>Materials</b>	Aircraft-grade aluminium body, hardened nickel-plated stainless steel net
<b>Finish</b>	Glass bead blasting
<b>Measurements</b>	Ø53 mm x 72 mm
<b>Weight</b>	170 grams