
# EHR-H
# MANUAL

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# GETTING STARTED WITH YOUR EHR-H

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 - try making high frequency and low frequency noises by mouth, such as "sss", "chh", "bop" and "pom".
5. (Optional) Turn the EQ to your desired setting, or apply whatever filters you find necessary.

*Good luck and have a great time performing!*

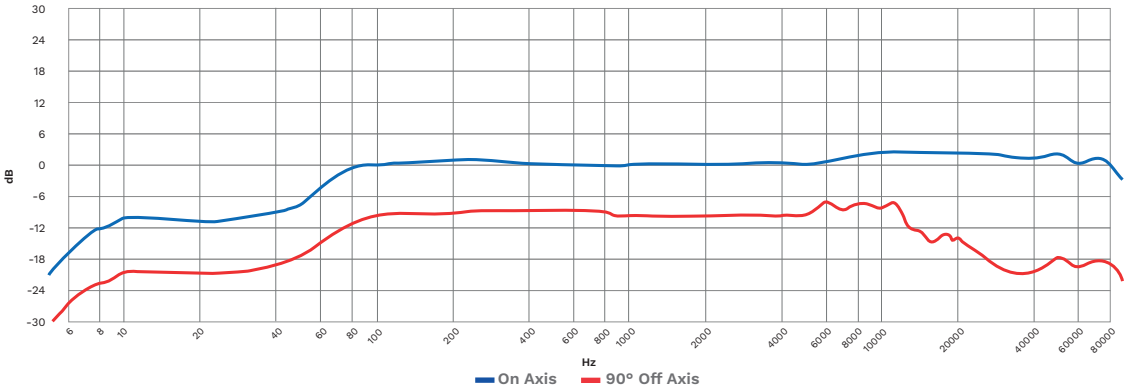
# TIPS

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 are experiencing feedback, try cutting a few dB with EQ at the upper bass range around 250 Hz.
3. If you have any questions about your Ehrlund microphone please feel free to email us at info@ehrlund.se.

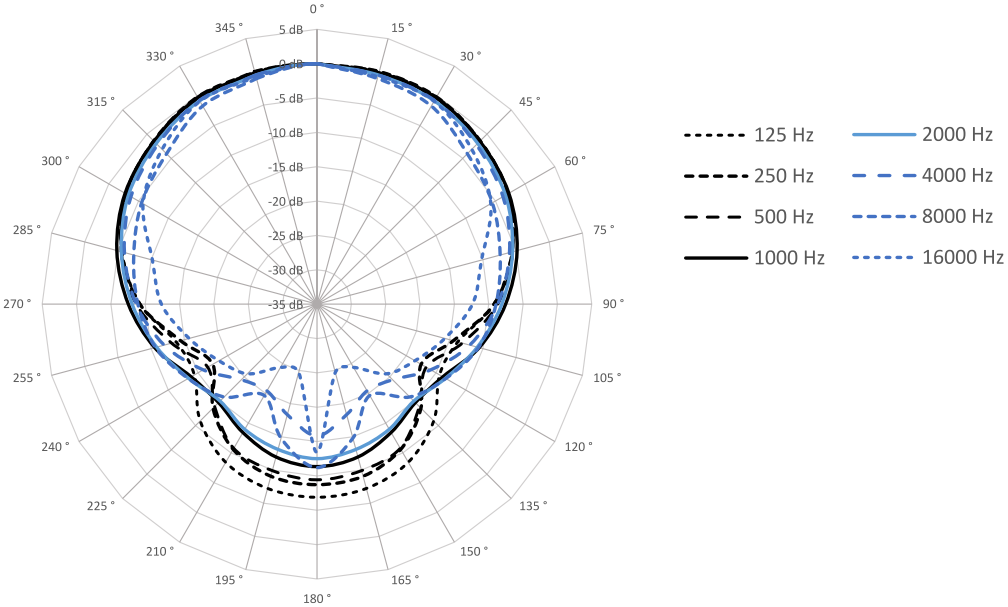
*Our microphones have a sound that is a bit different from other conventional microphones, we encourage experimenting with EQ to get your own unique sound, or just go with a flat EQ and get a really clear, airy and transparent sound.*

# TEST RESULTS Ehrlund microphones EHR-H

## Frequency Response, ± 2dB at 0.15 m




## Polar Pattern (15° at 1 m)



## HANDHELD EXCELLENCE

The EHR-H is a handheld condenser microphone that is optimised for live performances. The core of its ability to reproduce sound is the same as in all our microphones: A unique triangular Ehrlund membrane combined with our patented phase and frequency linear electronics.

The result is the same pure and clean sound image Ehrlund microphones are known for.

The triangular shape of the Ehrlund membrane dampens resonance faster than a traditional round or even square membrane.

The positive effects of this construction design are unparalleled.

Sharp tones sound more natural, the intricate resolution of soundwaves traveling along a triangular surface allows complex signals to be reproduced in their natural form.

This signal then gets amplified by our nearly noise-free amplification electronics and the result is a sound very transparent and real, without altering the phase or frequency or adding unnecessary amounts of noise.

## CHARACTERISTICS

- Handheld Condenser Microphone
- Optimised for use in live environments
- Patented triangular capsule design
- Transparent and natural sound
- Great low-noise performance
- Phase and frequency linear
- 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

Since the microphone has such a clean and natural sound, it is suitable for both live and studio applications. The broad and even frequency characteristics mean that faders on mixing consoles can be left in their neutral positions, with almost no need for any additional audio compensation.



## IMPEDANCE

Our 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 Ω as one at 2000 Ω.

## POWER SUPPLY

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

## CABLE

Standard 3-pole XLR microphone cable.

## MICROPHONE STAND

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

## EHR-H TECHNICAL SPECIFICATION

| | |
|---|---|
| **Type** | Handheld Condenser Microphone |
| **Membrane Type** | Triangular membrane, combines the characteristics of both large and small membranes |
| **Pickup pattern** | Cardioid |
| **Frequency range** | 7 - 87000 Hz |
| **Sensitivity at 1kHz** | -42 dBV/Pa (8 mV/Pa) |
| **Impedance** | Handles all impedances |
| **Equivalent noise level** | < 9 dBA |
| **Signal-to-Noise** | 85 dBA |
| **Dynamic Range** | 127 dB |
| **Max SPL (peak) Clip** | 155 dB |
| **0.5% THD** | 131 dB |
| **1% THD** | 136 dB |
| **Power supply** | 48 V Phantom power |
| **Current Consumption** | 2.0 mA |
| **Connection** | XLR 3-pin |
| **Materials** | Aircraft-grade aluminium body, hardened nickel-plated stainless-steel net |
| **Finish** | Matte black powder coating |
| **Measurements** | Ø53 mm x 182 mm |
| **Weight** | 272 gram |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