

# Elektroucho Pro



Priezor is an open-source passive magnetic antenna for electromagnetic listening. It is very sensitive and capable of capturing faint atmospheric events in VLF radio bands. Compared to regular Elektroschluch, it is less directional and focused, and therefore more useful in recording ambient electromagnetic fields, where the overall “sound of the place” is desired.

It is about 30dB (~31.6x) more sensitive than common pickup coils (measured at 1kHz). For recording VLF (“natural radio”) sounds, it will perform best when paired with low-noise microphone preamplifier with at least 70 dB of gain (for example Sound Devices MixPre-3).

## How to use Priezor

1. Make sure that phantom power on your input device is off
2. Plug your Priezor to the microphone input of your recorder / mixer
3. Adjust the gain accordingly and listen

## Technical specifications

|   |   |
|---|---|
| <b>Custom-wound heptagonal magnetic antenna</b> |   |
| <b>Frequency response</b>                       | 20 Hz - 90+ kHz                           |
| <b>Antenna</b>                                  | 333 turns of 0.15mm enamelled copper wire |
| <b>Loop resistance</b>                          | ~300 Ω                                    |
| <b>Loop inductance</b>                          | ~50 mH                                    |
| <b>Cable</b>                                    | 1.5m shielded high-flex microphone cable  |
| <b>Connector</b>                                | gold-plated black Neutrik XLR             |

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