

Binary Acoustic Technology

Digital Acoustic Processing

www.binaryacoustictech.com

AR180 Ultrasonic Receiver

Product description:

The AR180 is a professional quality ultrasonic receiver that is designed for ultrasonic recording and acoustic analysis. It employs a directional, wide bandwidth ultrasonic element along with ultrasonic to digital conversion technology to produce a high quality, digitally sampled, acoustic stream that is injected directly into a laptop or lab computer for recording, and analysis.

The AR180 is Binary Acoustic Technology's widest bandwidth receiver. It samples at 375Ksps and can detect bat calls as high as 180KHz. It employs low noise circuitry along with 16-bit digital converters to achieve high sensitivity along with a large dynamic range. It is sensitive enough to detect the faintest sound a human can hear (0 dB SPL) and it is capable of detecting higher frequency bats such as those found in areas of Australia, Europe, and Central/South America.



Specifications:

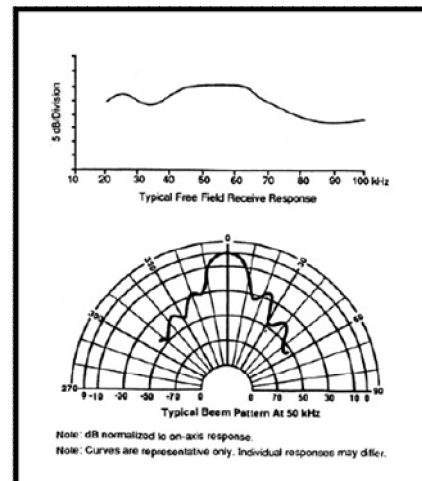
Frequency Range : 1 to 180 KHz

Dynamic Range : > 90 dB (Full BW)
> 96 dB (Audio BW)

Range Limits (SPL +/- 3 dB) :
Max : 90 dB
Min : 0 dB (Full) / -6 dB (audio)

Interface: USB 2.0

Output Format : 16-bit offset binary, 375Ksps



Frequency Response
and
Beam Pattern

Contact information:

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