



Binary Acoustic Technology

Digital Acoustic Processing

www.binaryacoustictech.com

AR150 Ultrasonic Receiver

Product description:

The AR150 is a professional quality ultrasonic receiver that is designed for ultrasonic recording and acoustic analysis. It employs a nearly omni 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 AR150 is specifically designed for laboratory applications where omni directionality and a wide ultrasonic frequency range are desired. It employs low noise circuitry along with 16-bit digital converters to achieve high sensitivity along with a large dynamic range. Typical applications include mice and rodent studies, bat flight rooms, and moth and insect research.

Specifications:

Frequency Range : 1 to 150 KHz

Dynamic Range : > 78 dB (Full BW)
> 84 dB (Audio BW)

Range Limits (SPL +/- 3 dB) :
Max : 90 dB
Min : 12 dB (Full) / 6 dB (audio)

Interface: USB 2.0

Output Format : 16-bit offset binary, 300Ksps

Contact information:

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Features:

- Wide frequency range
- Omni directional element
- Hemispherical coverage