

Bioacoustic Audio Recorder

HIGH FIDELITY RECORDING

We supply a Primo brand EM172 low noise (14dBA), high sensitivity omnidirectional microphone with the recorder. Each microphone has its own amplifier and filter built in to maximize signal quality and coupled with the recorders adjustable gain amplifier, 16bit resolution and up to 96kHz sampling rate results in very high quality recordings.

WATERPROOF ENCLOSURE

The easy to open, lockable enclosure is both convenient to use and secure against curious campers or nosey naturalists. Made from a durable UV resistant plastic, the BAR is rugged, waterproof, lightweight and portable.

NO PROPRIETARY FORMATS

Recordings are saved as wav files with optional near-lossless compression so you can use the processing software of your choice.

AFFORDABLE

Only \$800 for the base model unit, including battery, one microphone, mounting plate and strap.

Optional Extras:

+\$100 external power option (6-12V) including power cable.

+\$80 for additional microphone.



- **Small and lightweight design measuring 110x130x70mm and weighing only 360 grams including battery.**
- **Integrated GPS provides accurate location information and time synchronisation.**
- **Easy to use interface means anyone can setup and deploy.**
- **Low noise, high sensitivity omnidirectional microphone with flat frequency response and adjustable gain gives high quality recordings.**

The Frontier Labs Bioacoustic Audio Recorder (BAR) is a lightweight affordable unit for people who want to record up to 80 hours per charge, all within a compact, simple, self-contained unit. With built in GPS, every recording session is geo-tagged so you can move the unit around and always know where each recording was taken. The GPS also provides accurate time synchronisation and makes recording relative to dawn and dusk as simple as selecting it from the menu.

The rechargeable lithium-ion 18650 cell supplied with the recorder has a long life, wide temperature range (-10 to +60 °C) and is easily accessible for quick changeover in the field. They are available worldwide and can be charged with standard lithium chargers. Why put up with the bulk, weight and waste of Alkaline batteries?

The Bioacoustic Audio Recorder was designed with ease of use in mind: The simple user interface allows you to set the recording schedule, check the card status, battery level and even view the microphone audio level all in the field. The mounting plate and belt strap also mean deployment is simple and hassle-free.

Checkout our website to hear the sound quality for yourself. www.frontierlabs.com.au

Who is Frontier Labs?

Frontier Labs is a Brisbane based company specialising in designing electronic equipment for remote area instrumentation and ecological research.