

# Handheld Audio Recorder

## HIGH FIDELITY RECORDING

Uses a highly sensitive Primo EM172 microphone and low noise amplifier for recording distant calls. You can use the optional parabolic dish for even more sensitivity.

## Uses Your Smartphone

Combine the power and flexibility of your phone with our highly sensitive microphone and amplifier to make an excellent bioacoustic field recorder that records all of the geo tagged data and field notes into a SQL database using the purpose built app.

## Never miss a sound

You can press the record button after you hear a call and the phone saves from the continuously recording buffer which is adjustable to record seconds or minutes into the past.



The Frontier Labs Handheld Audio Recorder is a system that combines your smartphone's GPS with the ultra-sensitive Primo EM172 microphone, a low noise amplifier with variable gain control and an optional parabolic dish into one ergonomic handheld device. This makes it ideal for recording reference calls in the field with their location, your field notes and photos of the area and storing it in a standard SQL database on your phone with our app. Best of all you don't have to record all the time and then sort through hours of background noise waiting for the sound you wanted to keep. You just press the button *after* you hear the call and it saves it to your phone. Alternatively you can just record everything like a normal solid-state recorder.

- Turns your smartphone into a highly sensitive and sophisticated bioacoustic field recorder.
- Purpose built ergonomic handle with secure phone mount designed for single hand use.
- Save the sound after you hear it. So you never miss a sound and you don't have to sift through hours of background noise.
- Low noise, high sensitivity omnidirectional microphone with flat frequency response and adjustable gain gives high quality recordings.
- Automatically Geo-tags your recording and saves it along with any field notes in a standard SQL database.

Who is Frontier Labs?

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

**Frontier  
Labs** **FL**

[www.frontierlabs.com.au](http://www.frontierlabs.com.au)