



EM3 Handheld Active Detector

The Echo Meter 3 is the latest addition to the Wildlife Acoustics product family. An all-in-one handheld bat detector and recorder for active monitoring, the EM3 offers all the features and more of competing solutions, but at a fraction of the price.

- Fully self-contained, the EM3 is easy to hold, lightweight and requires no additional hardware.
- Monitor bat calls with headphones or the built-in speaker.
- Record bat passes in 16-bit full spectrum while simultaneously listening to bat calls in the method of your choice: Heterodyne, Frequency Division or our patent pending Real Time Expansion.
- Built-in real-time spectrogram displays current and recent bat passes in expanded or compressed mode to see a history of bat calls.
- Zoom in and out of the vertical and horizontal axis of the spectrogram for recently heard bat calls while continuing to monitor and record.
- Playback bat calls in Time Expansion mode at desired speed to hear details of the call.
- The most flexible heterodyne detector on the market:
 - Auto-Het feature automatically selects frequency based on call dynamics.
 - Program up to four frequency presets to rapidly tune into a bat call.
 - Fine tune any frequency setting with easy to use button navigation.
- Categorize or tag a bat call in real-time in one of four categories to facilitate post processing.
- Capture voice notes and bat passes in the same trigger for direct correlation.
- Optional GPS accessory maps bat signal to location.



SPECIFICATIONS

POWER: Four AA rechargeable NiMH batteries included with integrated battery charger.

STORAGE: One SDHC/XC card slot supporting up to 128GB.

BATTERY LIFESPAN: Up to 10 hours on a single charge.

RECORDING BANDWIDTH: 1kHz to 192kHz.

RECORDING TECHNOLOGY: 16-bit full spectrum.

WEIGHT: Less than 0.35kg with batteries.

Comparison of Active Monitoring Solutions

Features	Wildlife Acoustics Echo Meter EM3	Batbox Duet	Pettersson D240X	Elekon Batlogger	Batbox Griffin	Titley Anabat SD2	Pettersson D1000X
Integrated Real-time Spectrogram	✓	✗	✗	✗	✗	✗	✗
Monitoring Technology	Heterodyne	Automatic	✗	✗	✗	✗	✗
		Presets	✗	✗	✗	✗	✗
		Manual	✓	✓	✗	✓	✗
	Frequency Division	✓	✓	✗	✗	✓	✓
	Time Expansion	✓	✗	✓	✓	✗	✓
Recording Technology	Real Time Expansion	✓	✗	✗	✗	✗	✗
	Full Spectrum	✓	✗	✓	✓	✗	✓
	Frequency Division	✓	✓	✗	✗	✓	✗
Scheduled Recording	✓	✗	✓	✓	✗	✓	✓
Voice Notes	✓	✗	✓	✗	✗	✓	✓
Recording Tags	✓	✗	✗	✗	✗	✗	✗
Available GPS	✓	✗	✗	✓	✗	✓	✓
External Microphone Connector	✓	✗	✗	✗	✓	✓	✗
Internal Battery Charger	✓	✗	✗	✓	✗	✗	✗
External Power Port	✓	✗	✗	✗	✓	✓	✓

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