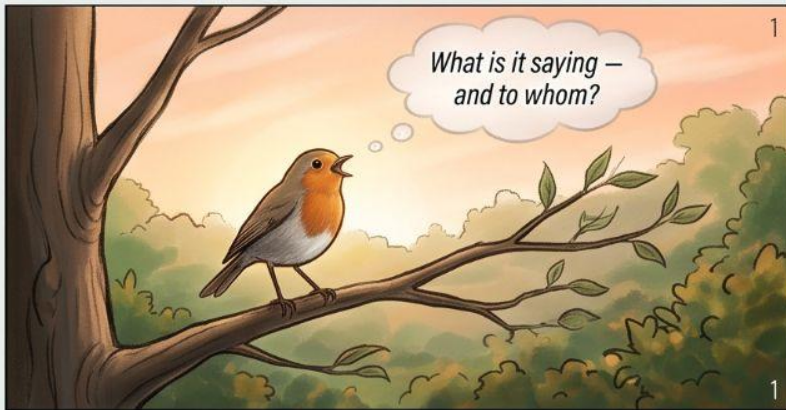


EchoMap

Multidirectional microphone used to decipher animal communication, through recording sound and its source in 3d space



Proposition Board



The core question: What is it saying, and to whom?



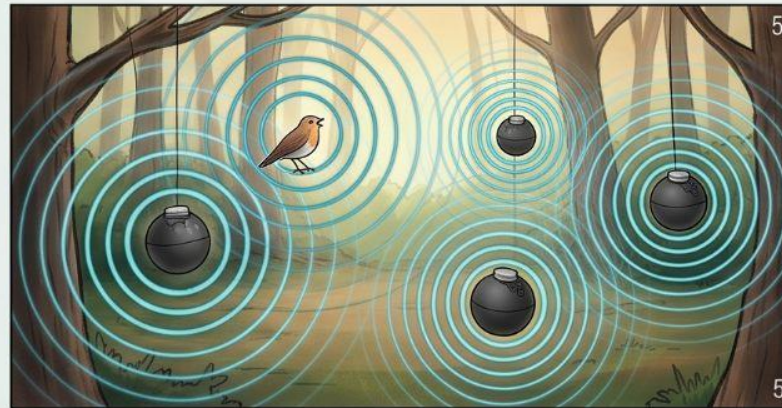
A field ecologist prepares the new EchoMap hardware units.



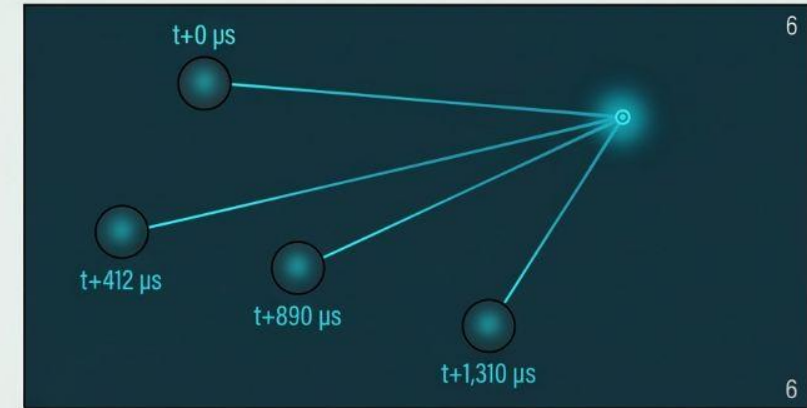
Securely strapping an EchoMap sphere to a branch and activating connectivity.



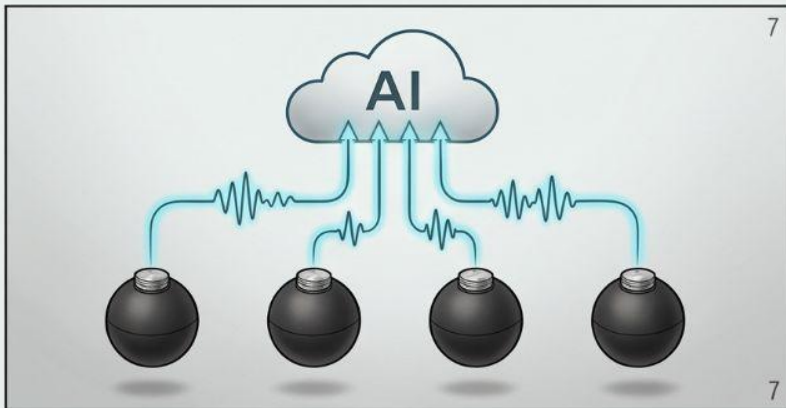
Four units form a network, a 3D listening volume.



Sound waves expand, arriving at each sphere at microsecond-level time differences.



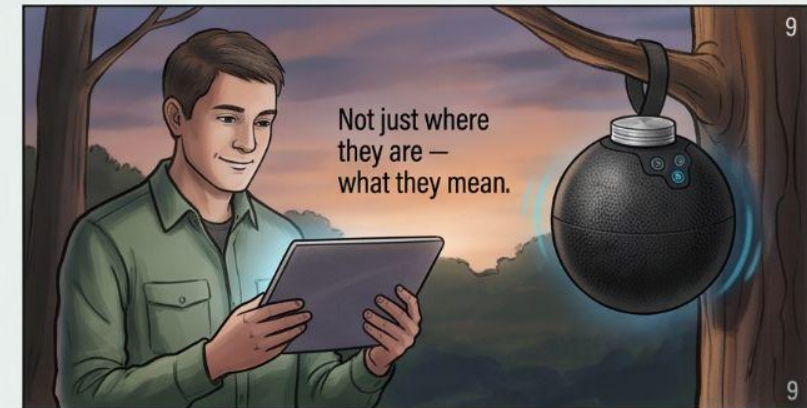
Microsecond timestamp analysis triangulates the exact position of the call.



Acoustic data and positional coordinates stream into the cloud AI.



A tablet visualizes the real-time acoustic map, movement, and call interactions.



Moving beyond location to decode communication, EchoMap listens on.

User Testing

User did not intuit the button location on the first model



User said the grip was comfortable



Great user experience!

He found it easily on the new model



Mid-Fidelity Model

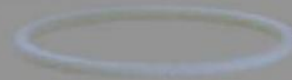


EchoMap

Cover
Seals electronics from elements

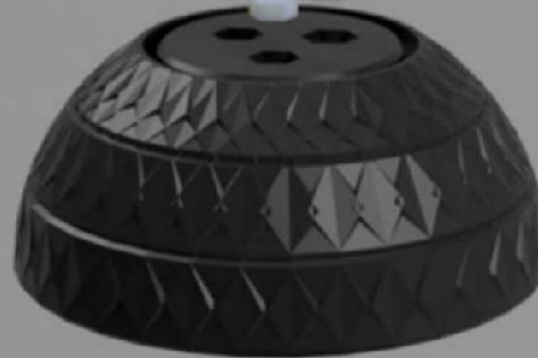


Strap
Method of attachment to branches



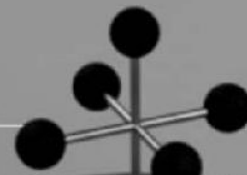
Rubber Seal
Provides watertight seal protecting electronics

Buttons
Power - turn on/ off
Wifi - Connects to Internet to commune with AI
Bluetooth - Connects to other speakers



Upper Casing
Protective & aesthetic casing

Multidirectional Microphone
Records sound & maps out location of the noise in 3D
Transmits data to cloud for AI to process



Lower Casing
Protective & aesthetic casing

EchoMap

