



Introducing a Real-time Detection System

Welcome to the future of acoustic telemetry animal tracking!

Get real time notifications of your tagged animal's presence in your study area with the **Fathom Live** system. This system will allow you to track when a migratory species is on the move, alert the public if an area may be unsafe due to an animal's appearance, and aid in resource management decisions such as dam openings and closures. The possibilities are boundless with the adaptable **Fathom Live** system.



Rugged, easy to use plug and play design

Receive text and email notifications when animals are in range of the receiver

Get system health and position alerts

Monitor environmental conditions (temp, tilt, noise)

Customize user logins, notification settings and admin privileges

Integrate into remote buoy system or deploy on rigid structure mount

Cell, WiFi compatible

Mobile and desktop app provides data visualization

No more relying on animals to break the surface to get a ping!



Specifications	
Dimensions of Fathom Live Hub	352 x 400 mm
Dimensions of components within Fathom Live Hub	AquaHub unit: 218 mm x 114 mm x 45 mm Battery: 89 mm x 70 mm x 108 mm Modem: 70 mm x 51 mm x 25 mm
Dimensions of hydrophone	51 x 291 mm
Power	AC converter: 120 V - 240 V DC: 15 -25 V Solar module (optional) Internal rechargeable 5 Ah lead acid 50/60 Hz support
Power Consumption	14 mA x 12 V
Communications	WLAN: Dual band IEEE 802.11 a/b/g/h Cellular module (optional)
Bluetooth®	Dual-mode Bluetooth v4.0
GPS	GPS / GLONASS receiver
Auxiliary Sensor	1 auxiliary sensor port (RS-485 port / RS-232) 2 digital hydrophone ports
Sensors	Surface Hub temperature and tilt
	Water temperature, hydrophone tilt
Hydrophone	Multi-channel digital hydrophone
Environmental	NEMA-4X, IP66
Operating Temperature Range	-20C to +70C (surface box)
	-5C to +40C (hydrophone), water must not freeze
Depth Rating	Designed for deployment depth of up to 30 m



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