



NEXTRAK AR RECEIVER

Innovasea's NexTrak AR receiver combines the world's most advanced acoustic telemetry system and acoustic release (AR) capabilities. With dependable, diver-free retrieval, researchers can capture more high-quality data while ensuring equipment retrieval even in the harshest marine environments.



USE CASES

- Study areas that include noisy, challenging environments
- Deep or turbid environments where diver retrieval may be difficult or impossible
- Studies by researchers who are on a tight budget and looking to do more with limited resources

BENEFITS

Reliable remote release. Diver-free retrieval makes recovering equipment easier, safer, and less expensive.

40 percent greater range than previous receivers. This reduces the number of receivers required to cover the same area, lowering total cost of ownership.

Twice as many detections as previous receivers. The NexTrak advanced processor does a better job filtering out noise and decoding pings from transmitters, resulting in more detections and increased detections of unique animals.

Higher quality data. Signal strength data and enhanced post-processing capabilities enable researchers to tackle deeper questions about animal behavior.

Excellent performance in noisy environments. The NexTrak AR works well in challenging conditions – including environments with ambient noise greater than 650 millivolts.

Depth rating of 500m. This ensures that researchers can retrieve their equipment in any environment.

95% release battery life accuracy. Accurate battery life reading so researchers can time their retrieval correctly.

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KEY SPECIFICATIONS

- Frequency: 69 kHz
- Weight in air: 2.5 kg
- Weight in water: 0.5 kg
- Length: 435 mm
- Diameter: 88 mm
- Mooring Bracket Width: 170mm
- Power NexTrak AR: Two 3.6 volt Lithium D-cell batteries
- Power Acoustic Release: One 4V Lithium AA-cell battery
- Battery Life NexTrak AR: ~13 months
- Battery Life Acoustic Release: ~10 years*
- Depth Rating: 500 meters
- Storage Capacity: ~ 5 million detections
- Maximum Test Load: 1000 lbs
- Maximum Safe Working Load: 250 lbs
- Maximum Release Load: 250 lbs
- Programmable self-transmitter
- Logging of noise, tilt, temperature, and signal strength

PAIR WITH

- All Innovasea coded 69kHz transmitters and sensor tags
- Fathom Software for easy data offload and analysis
- VR100-300 Deckbox and VHTx-69kHz Transponding Hydrophone for remote release and communication with deployed units
- Increased Residency (IR) Coding: tag firmware upgrade increases residency and detections in NexTrak arrays
- Acoustic Release Remote Canister (ARC) to enable easy recovery of all mooring infrastructure

** Based on 4 releases per year under low biofouling conditions.*



FURTHER INFORMATION

Visit us today at www.innovasea.com



About Innovasea

Innovasea designs the world's most technologically advanced aquatic solutions for fish tracking and fish farming – and builds them to withstand the toughest conditions. We partner with customers to fully understand their needs and solve their most pressing challenges. It's all driven by a commitment to make our ocean and freshwater ecosystems sustainable for future generations. **Today. Tomorrow. For life.**