

VR2W-180 kHz Receiver

Robust, reliable receiver for passive monitoring of smaller species in predominantly freshwater environments

The VR2W-180 kHz is an acoustic monitoring receiver that is affordable, compact, easy to use and versatile. It is ideal for research projects targeting small to medium size species in rivers and lakes.

Capable of identifying all Vemco 180 kHz coded transmitters, the VR2W-180 kHz receiver provides researchers with a robust, reliable means of studying the movement and behaviour patterns of a wide variety of aquatic animals as they travel within freshwater systems.

The receiver records the identification number and time stamp from acoustic transmitters as a tagged animal travels within receiver range. Sensor data such as depth, temperature and predation can also be collected.



Use Cases

- » Study behaviour and migration of animals
- » Conduct research into site fidelity and movement between reefs of various species
- » Understand spawning behaviour
- » Study MPA effectiveness as it relates to population sustainability
- » Monitor survival and mortality
- » Assess climate change impacts
- » Conduct fine-scale positioning studies
- » Understand species distribution and habitat preferences
- » Monitor predation events and study predator-prey interactions

Benefits

- » Robust, rugged and reliable receivers designed for long term remote monitoring
- » Operates in both fresh and saltwater to monitor movement between environments
- » Affordable receivers enable scalability and savings on total system cost
- » Easy to use and low maintenance
- » Strong, accurate detection range
- » Data is processed in the receiver allowing you to obtain useable, reliable data quickly
- » Data is stored in non-volatile memory so all detections are saved if the unit unexpectedly fails
- » Ability to upgrade firmware in the field

Pair With

The VR2W-180 kHz receiver is used as a system with:

- » V5, V9 180 kHz Coded Tags
- » V7TP, V9TP 180 kHz Temperature/Depth Sensor Tags
- » V5D 180 kHz Predation Tag
- » VUE Software for data offload and analysis



PRODUCT SPECIFICATIONS



Frequency

180 kHz

Weight

1190 g in air; 50 g in water

Dimensions

Length 308 mm; Diameter 73 mm

Power

One 3.6 V Lithium D cell battery

Battery Life

Approximately 8 months

Depth

500 m

Storage Capacity

16 MBytes non-volatile flash memory (~1.6-million detections)

Ready to Get Started? [Contact us](#) today.

About Innovasea

Innovasea designs the world's most technologically advanced aquatic solutions for fish tracking and builds them to withstand the toughest conditions. It's all driven by a commitment to make our ocean and freshwater ecosystems sustainable for future generations. Today. Tomorrow. For life.



www.innovasea.com/fish-tracking

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