

VR2Tx Receiver

Built-in tag improves fine-scale positioning results and enables communication from the surface with deployed receivers

The VR2Tx receiver comes with a built-in transmitter that enables transponding capabilities for remote communications from the surface with deployed receivers.

The built-in transmitter can be used as a sync tag for improved fine-scale positioning results and can also provide a means to retrieve receiver status on demand through communications to a VR100 tracking receiver at the surface via a transponding hydrophone.

Researchers can retrieve essential information from any deployed VR2Tx such as unit health, number of detections, tilt, range, temperature, and estimated remaining battery life and memory.



Use Cases

- » Study behaviour and migration of animals
- » Conduct large scale coastal migration studies
- » 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

- » **Programmable Watch Table**
 - » Sets a list of tag ID's and monitors the number of detections received
 - » Verifies sync tag and range test tag performance without retrieving receivers
- » **Range Detection between VR2Tx and VR100**
 - » Estimates distance between the VR2Tx and the VR100 and locates potentially lost units
- » **Unit Discovery Mode**
 - » Detects which receivers are within range of the VR100
- » **Programmable Self Transmitter**
 - » Logs its own transmissions
 - » Four programmable power levels (142 dB, 148 dB, 154 dB, 160 dB)

Pair With

The VR2Tx-69 kHz receiver is used as a system with:

- » All 69 kHz Coded Tags
- » V9AP, V13AP 69 kHz Accelerometer Tags
- » V7D/DT, V9D/DT 69 kHz Predation Tags
- » VR100 Deckbox and VHTx-69 kHz Transponding Hydrophone for communication with deployed units
- » VUE Software for data offload and analysis



PRODUCT SPECIFICATIONS



Frequency

69 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 14 months

Depth

500 m

Storage Capacity

32 MBytes non-volatile flash memory (~3-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.



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