

VR2AR Receiver

Built-in tag and acoustic release enables communication from the surface with deployed receivers to obtain status and remotely release the unit

The VR2AR receiver comes with a built-in transmitter that enables remote communications from the surface with deployed receivers, and also allows remote retrieval of the unit using an integrated acoustic release - typically within one minute. The VR2AR-X is a longer-life version capable of deployments up to 26 months.

The built in transmitter can be used as a sync tag for improved fine-scale positioning results and also provides a means to obtain receiver status using a VR100 receiver and a transponding hydrophone.

Researchers can get essential information such as unit health, number of detections, tilt, range, temperature, noise, signal strength, data watch tables, and estimated remaining battery life and memory.



VR2AR Float Collar sold separately.
Floats not included with Float Collar assembly.

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 VR2AR and VR100**
 - » Estimates distance between the VR2AR 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 VR2AR-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

Depth

500 m

Weight

VR2AR: 2350 g (air); 500 g (water)
VR2AR-X: 2746 g (air); 812 g (water)

Dimensions

VR2AR: Length 401 mm
VR2AR-X: Length 465 mm
Diameter: 81 mm
Mooring bracket width: 170 mm

Storage Capacity

32 MBytes non-volatile flash
memory (~3-million detections)

Power

VR2AR: One 3.6 V Lithium D
VR2AR-X: One 3.6 V Lithium DD
Release: One 4 V Lithium AA

Battery Life

VR2AR: Approx. 14 months
VR2AR-X: Approx. 26 months
Release: 5-6 years

Max Test Load

1000 lbs

Max Safe Working Load

250 lbs

Max Release Load

250 lbs

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.