

# 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 Built-in Sync Tag**
  - » 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:

- » V7, V8, V9, V13, V16 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.

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