

# Ascent™ Acoustic Release

Affordable shallow water acoustic release provides quick and reliable remote recovery of expensive marine instruments and equipment

The Ascent™ Acoustic Release is ruggedly designed for superior performance, reliability and real-time communications. Along with its compact and sturdy construction, the Ascent AR is equipped with an easy-to-use interface to a surface deckbox that ensures the remote retrieval of your valuable marine instruments is successful every time.

Real-time communications capability allows you to remotely monitor the health of your Ascent ARs from the surface while the units are still deployed using a VR100 deck box and a VHTx-69 KHz hydrophone (sold separately).

The Ascent is available in two battery life models: the AR with a battery life of 28 months and the AR-2 with a battery life of 60 months.



## Benefits

- » Obtain real-time health information from deployed units:
  - » Monitor tilt, temperature, depth and estimated battery life
  - » View release status when activating the release
  - » Get range and depth information as units rise to the surface
  - » Estimate the distance between acoustic releases and the VR100 surface deck box
  - » Locate deployed units
- » Quick and reliable release - typically within 30 seconds
- » Easy method for re-arming the release
- » Release mechanism is a push-off titanium pin with a copper sleeve (to reduce biofouling) and is controlled by a DC motor
- » External case designed for easy attachment of marine instruments and flotation for buoyancy
- » Unit Discovery Mode lets you detect which units are within range of the VR100 surface deck box without having to remember specific serial numbers or exact release locations

## Superior Communications

- » Over 40 years of experience in underwater communications
- » Designed specifically for use in shallow water
  - » Provides significantly reduced reflections
  - » Delivers superior performance and reliability
- » Sophisticated transmission protocol
- » Coded communication messages
  - » Transmits information in real-time
  - » Eliminates false triggers

## Pair With

The Ascent™ AR and AR-2 are used as a system with:

- » VR100 Deckbox and VHTx-69 kHz Transponding Hydrophone for remote release of deployed units



## PRODUCT SPECIFICATIONS



### Depth

500 m

### Weight

AR: 2350 g (air); 500 g (water)

AR-2: 2746 g (air); 812 g (water)

### Dimensions

AR: Length 401 mm

AR-2: Length 465 mm

Diameter: 81 mm

Float attachment width: 165 mm

### Power

AR: One 3.6 V Lithium D

AR-2: One 3.6 V Lithium DD

Release: One 4 V Lithium AA

### Battery Life

AR: Approx. 28 months

AR-2: Approx. 60 months

Release: 5-6 years

### Firmware

Field upgradeable

### 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.



[www.innovasea.com/fish-tracking](http://www.innovasea.com/fish-tracking)

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