

# VR100 Acoustic Receiver and Deck Box

## Acoustic receiver for real-time tracking and remote communication

The **VR100** is a general purpose acoustic receiver designed for manual tracking of aquatic animals from small boats or for recording laboratory data.

It is also required as a **surface communication deck box for remote communications with the VR2Tx (receiver and transmitter) and the VR2AR (receiver, transmitter and acoustic release)**. With the VR100 you can now communicate with these receivers while deployed to locate receivers, get health and detection statistics and provide easy, remote release of the VR2AR. To communicate with the VR2Tx and VR2AR, a VHTX transponding hydrophone is also required (sold separately).

The VR100 can be used to track coded (both 69 and 180 kHz) tags as well as continuous tags simultaneously on a wide variety of animals ranging from salmon smolts to sharks. Depending on the transmitter type, the receiver can also collect telemetry data such as temperature, depth and acceleration.

The VR100 is used with the VH165 (50-85 kHz) and VH180 (180 kHz) omni-directional hydrophones, the VHTx (50-85 kHz) transponding omni-directional hydrophone, and the VH110 (50-85 kHz) and VH180-D directional hydrophones. Directional hydrophones extend the receiver's capabilities for real-time animal tracking studies. All VEMCO hydrophones are sold separately.

### Features

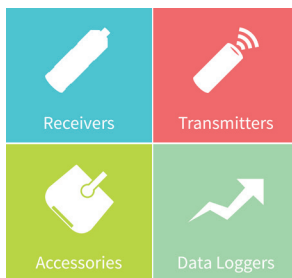
- ▶ Wide dynamic range permitting simultaneous detection of near and distant tags without gain adjustment



- ▶ GPS time and position display and data logging
- ▶ Improved sensitivity and noise rejection over conventional analog receivers
- ▶ Splash proof case
- ▶ USB communication link
- ▶ VR100 PC Host Software compatible with Windows Vista, Windows 7, and Windows 8

### How to Order the VR100

When ordering the VR100, please specify the frequency range of the tags you are using and the hydrophone type needed (omni-directional, directional or transponding omni-directional).



Physical Specifications	
Frequency range	12 to 200 kHz
Dimensions (approx.)	34 cm x 32 cm (with handle extended) x 15 cm
Weight with gel cell	6.5 kg
Battery Life	Approximately 12 hours with backlight off
PC communication	Computer controlled via USB connection
Gain control	Automatic or manual
Hydrophone type	Omni-directional: VH165 (50-85 kHz), VH180 (180 kHz), VHTx Transponding (50-85 kHz) Directional: VH110 (50-85 kHz), VH180-D (180 kHz)
Hydrophone cable length	10 metres - standard length (except VHTx which is 25 metres)
Display	4 x 20 character LCD display
Signal strength meter	LCD screen displays relative signal strength numerically and graphically
Water resistance	Splash resistance
Software	VR100 PC Host Software Windows Vista/7/8

Tel: (902) 450-1700  
Fax: (902) 450-1704

[www.vemco.com](http://www.vemco.com)