

VR2C - Cabled Receiver

Cabled receiver provides real-time communication path between researcher and receiver



The VR2C cabled receiver enables researchers to have a permanent, real-time communication path to the receiver allowing them to easily check on the status of the receiver in the field and upload data at any time.

The cabled receiver can be powered externally or internally via a back up battery. When external power has been disconnected, the back up internal battery provides power for approximately 10 months for 69 kHz option and 6 months for 180 kHz option and also includes a battery life indicator.

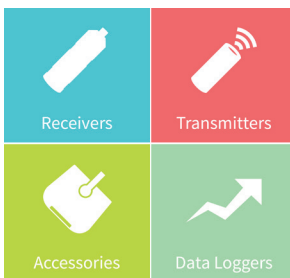
Features

- ▶ Fully autonomous receiver available in 69 kHz or 180 kHz options
- ▶ Ideal for remote or real-time communications
- ▶ External communication is via a serial cable instead of Bluetooth
- ▶ Can be powered externally for extended field deployment (years)
- ▶ Field upgradable via the interface cable communication link
- ▶ Multiple receivers can be linked to a single cable in a “daisy chain” configuration
- ▶ Supports up to 1200 m of cable - RS485 and RS232 compatible
- ▶ Can be connected to a cell modem or other communication system for real-time and/or remote data access
- ▶ Support for all existing VEMCO coded tags



Physical Specifications

Dimension	476 mm length, 88 mm diameter
Weight	2.05 kg
Max. depth	500 metres
Receiver freq.	69 kHz OR 180 kHz
Data memory	Approximately 1.6-million detections (16 Mbytes)
Power supply	Line voltage 10-32VDC, @12V record mode < 1ma, 3-15ma during communications, internal battery 3.6V D cell lithium (back-up battery life 10 months 69 kHz option, 6 months 180 kHz option)
Temp. sensor	Embedded temperature sensor in head (typical accuracy +/- 0.5°C)
Operating temp.	-5°C to +40 °C (Note: Water in which VR2C is deployed must not freeze.)
Housing material	Delrin®



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Applications

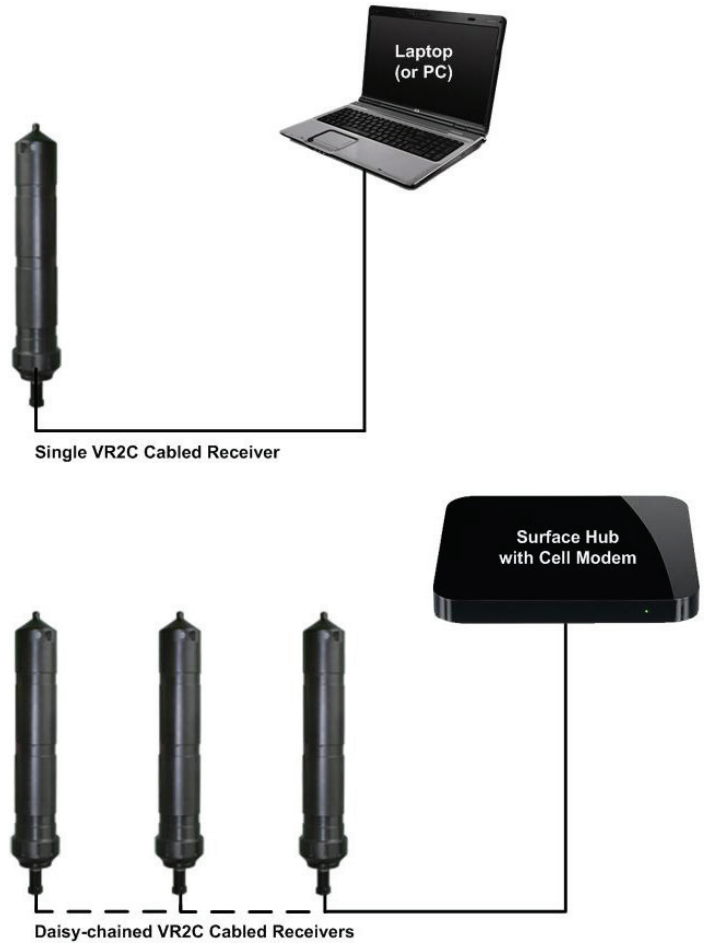
The VR2C cabled receiver is ideally suited for areas where cables are logistically possible such as instrumentation buoys, bridges, flood control structures, dams and fish passage systems.

Buoys of Opportunity

VR2Cs are being integrated into existing data collection systems.



Sample Configurations



Note: The Laptop (or PC) and the Surface Hub with Cell Modem are not provided by VEMCO.