

RXMOD-RXW-900 • RXMOD-RXW-868 • RXMOD-RXW-922 • RXMOD-RXW-921



## HOBOnet Manager

A wireless manager module for installation in a HOBOnet RX3000 monitoring station

### Important Information

A complete system requires at least one HOBOnet RX3000 Remote Monitoring Station, a HOBOnet Wireless Manager (RXMOD-RXW-xxx), and a HOBOnet Wireless Sensor. HOBOnet Wireless Repeaters (RX-RPTR-xxx) can be added to extend the range.

## Features

- 900 MHz wireless mesh self-healing technology
- 450 to 600 meter (1,500 to 2,000 feet) wireless range and up to five hops
- Up to 50 wireless sensors per RX3000
- Plugs into RX3000 flex port

## Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email [sales@onsetcomp.com](mailto:sales@onsetcomp.com)
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support [www.onsetcomp.com/support/contact](http://www.onsetcomp.com/support/contact)
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# HOBOnet Manager (RXMOD-RXW-xxx) Specifications

## Wireless Mote

<b>Operating Temperature Range</b>	-25° to 60°C (-13° to 140°F)
<b>Radio Power</b>	12.6 mW (+11 dBm) non-adjustable
<b>Transmission Range</b>	Reliable connection to 457.2 m (1,500 ft) line of sight at 1.8 m (6 ft) high Reliable connection to 609.6 m (2,000 ft) line of sight at 3 m (10 ft) high
<b>Wireless Data Standard</b>	IEEE 802.15.4
<b>Radio Operating Frequencies</b>	RXMOD-RXW-900: 904–924 MHz RXMOD-RXW-868: 866.5 MHz RXMOD-RXW-921: 921 MHz RXMOD-RXW-922: 916–924 MHz
<b>Modulation Employed</b>	OQPSK (Offset Quadrature Phase Shift Keying)
<b>Data Rate</b>	Up to 250 kbps, non-adjustable
<b>Duty Cycle</b>	<1%
<b>Maximum Number of Motes</b>	50 motes per one RX Wireless Sensor Network
<b>Power Source</b>	Powered by the RX3000 station
<b>Dimensions</b>	Mote: 16.2 x 8.59 x 4.14 cm (6.38 x 3.38 x 1.63 inches) Cable length: 2 m (6.56 ft)
<b>Weight</b>	Mote: 159 g (5.62 oz)
<b>Materials</b>	Mote: PCPBT, silicone rubber seal
<b>Environmental Rating</b>	Mote: IP67, NEMA 6
<b>Compliance Marks</b>	Page not found or type unknown FCC Logo RXMOD-RXW-900 Page not found or type unknown RXMOD-RXW-868 Page not found or type unknown Taiwan NCC Mark RXMOD-RXW-921 Australia/New Zealand General RXMOD-RXW-922