



HOBOnet Repeater

Battery Powered (incl. lithium batteries)

A battery-powered wireless repeater designed to work with the HOBOnet Wireless Sensor Network.

Important Information

A complete system requires a HOBO MicroRX Station, which has an integrated HOBOnet Wireless Manager, and a HOBOnet Wireless Sensor. HOBOnet Wireless Repeater (RXW-RPTR-B-xxx) can be added to extend the range of both system options.

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 or 336 data channels per HOBO RX Station
- Simple button-push to join the HOBOnet wireless network
- Onboard memory to ensure no data loss
- Powered by 2 user-replaceable lithium AA batteries

Contact Us

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

- Email 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
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

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HOBOnet Repeater (RXW-RPTR-B-xxx) Specifications

Operating Temperature Range	-40 to 70°C (-40 to 158°F)
Radio Power	12.6 mW (+11 dBm) non-adjustable
Transmission Range	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
Wireless Data Standard	IEEE 802.15.4
Radio Operating Frequencies	RXW-RPTR-B-900: 904-924 MHz RXW-RPTR-B-868: 866.5 MHz RXW-RPTR-B-922: 916-924 MHz RXW-RPTR-B-921: 921 MHz
Modulation Employed	OQPSK (Offset Quadrature Phase Shift Keying)
Data Rate	Up to 250 kbps, non-adjustable
Duty Cycle	<1%
Maximum Number of Motes	Up to 50 wireless sensors or 336 data channels per one HOBOnet RX station
Logging Rate	1 minute to 18 hours
Number of Channels	1
Battery Type	Two AA 1.5 V lithium batteries
Battery Life	1 year, typical use
Dimensions	16.2 x 8.59 x 4.14 cm (6.38 x 3.38 x 1.63 inches)
Weight	219 g (7.74 oz)
Materials	PCPBT, silicone rubber seal
Environmental Rating	IP67, NEMA 6

