

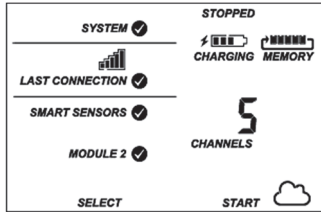
# RXW Repeater (RXW-RPTR-B-xxx) Quick Start

## Adding the Repeater to the HOBONet® Wireless Sensor Network

**Important:** Keep the sensor node near the station while completing these steps.

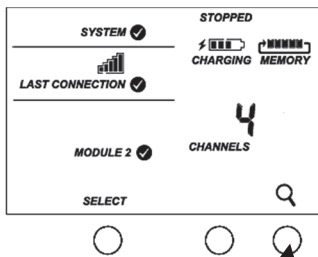
If you are setting up a new station, follow the instructions in the station quick start guide before setting up this sensor node (go to [www.onsetcomp.com/resources/documentation/24380-man-rx2105-rx2106-qsg](http://www.onsetcomp.com/resources/documentation/24380-man-rx2105-rx2106-qsg) for RX2105 and RX2106 stations or [www.onsetcomp.com/resources/documentation/18254-man-qsg-rx3000](http://www.onsetcomp.com/resources/documentation/18254-man-qsg-rx3000) for RX3000 stations).

1



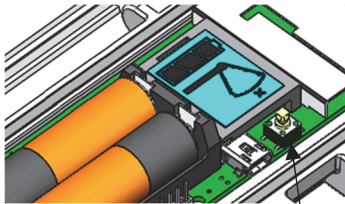
Press the Select button to switch to the module with the manager (module 2 on RX2105 or RX2106 stations).

2



Press the Search button. The magnifying glass icon blinks while the station is in search mode waiting for repeaters to join the network.

3



Open the repeater door and install the batteries if you have not already done so. Press the button on the repeater for 3 seconds.

4 Watch the repeater LCD while it joins the network:



This signal strength icon blinks while searching for a network.



Once a network is found, the icon stops blinking and the bars cycle from left to right.

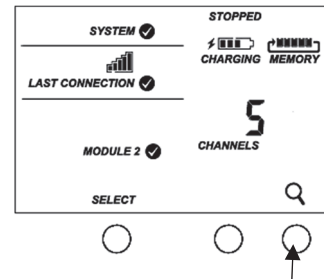


This network connection "x" icon blinks while the repeater completes the registration process, which may take up to five minutes.



Once the repeater has finished joining the network, the "x" icon is no longer displayed and the channel count on the station LCD increases by one for the repeater battery.

5



Press the Search button on the station again to stop the search for repeater.

6

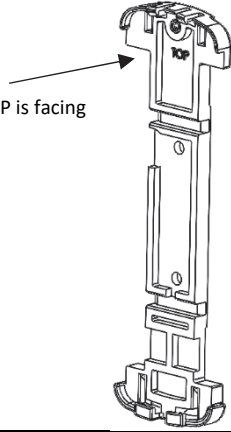


Go to [www.hobolink.com](http://www.hobolink.com) to monitor repeater status and health. See the HOBOLink Help for details.

## Installing the Bracket and Repeater

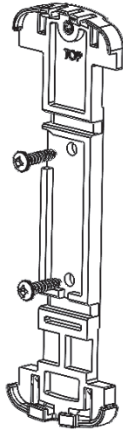
1

Orient the bracket so the text TOP is facing upwards.



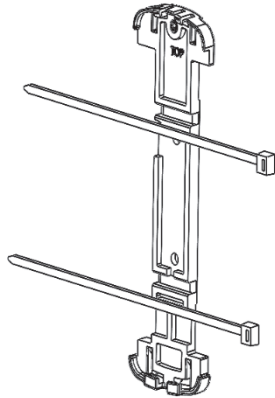
2

To install the bracket onto a wall, use the two long screws included in the package. Screw the bracket to a wall using the two holes on the mid-section of the bracket.



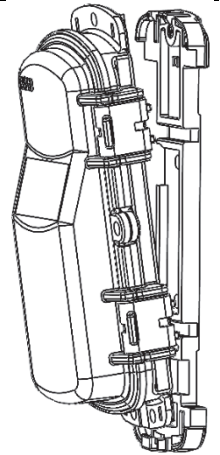
3

To install the bracket onto a pole, slip a cable tie through each of the channels on the bracket and fasten the tie around the pole.



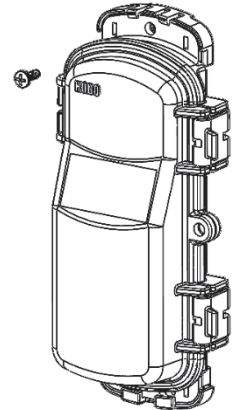
4

Insert the bottom of the repeater into the retaining clips on the bottom of the bracket then press the top of the repeater into the clips at the top of the bracket.



5

Use the short screw included in the package to fasten the repeater to the bracket.



6

Close the repeater and use a padlock to keep it secure. **Note:** Ensure that the seal is clean from foreign debris.

## Mounting and Positioning the Repeater

- Make sure the repeater is mounted a minimum of 1.8 m (6 feet) from the ground to help maximize distance and signal strength.
- Consider using plastic poles such as PVC to mount the repeater as certain types of metal could decrease the signal strength.
- If you are using a repeater because there is an obstruction in the path of two sensor nodes or between a sensor repeater and the manager, mount the repeater on the obstruction. Sensor nodes cannot transmit data to each other if there is an obstruction between them.



For specifications, complete mounting guidelines, and other details about this repeater, refer to the full product manual. Scan the code at left or go to: <https://www.onsetcomp.com/resources/documentation/24502-rxw-rptr-b-manual>