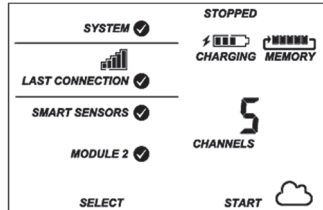## Adding the Repeater to the HOBOnet® Wireless Sensor Network

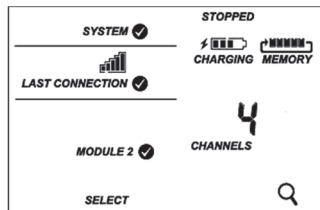**Important:** Keep the mote near the station while completing these steps.

If you are setting up a new station, follow the instructions in the station quick start before setting up this mote (go to www.onsetcomp.com/manuals/24500-rx2105-and-rx2106-manual for RX2105 and RX2106 stations or www.onsetcomp.com/manuals/rx3000-qsg for RX3000 stations).
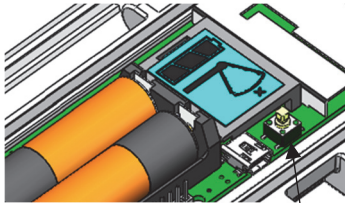
1

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 will blink while the station is in search mode waiting for motes to join the network.

3

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

4 Watch the mote LCD during the process of joining the network:

a.

This signal strength icon blinks while searching for a network.

b.

Once a network is found, the icon will stop flashing and the bars will cycle from left to right.
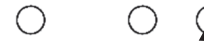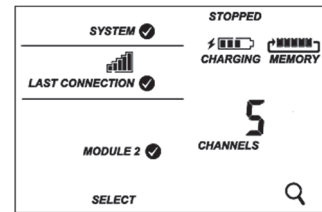
c.

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

d.

Once the mote has finished joining the network, the "x" icon is removed 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 motes.

6 **HOBOlink**® Go to www.hobolink.com to monitor mote status and health. See the HOBOlink Help for details.

Mounting and Positioning the Repeater

- Close the repeater and use a padlock to keep it secure.
- Mount the repeater vertically using cable ties or screws.
- 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 motes or between a sensor mote and the manager, mount the repeater on the obstruction. Motes cannot transmit data to each other if there is an obstruction between them.

For specifications, complete mounting guidelines, and other details about this mote, refer to the full product manual. Scan the code at left or go to www.onsetcomp.com/support/manuals/24502-rxw-rptr-b-manual.

ONSET®
1-800-LOGGERS (564-4377) • 508-759-9500
www.onsetcomp.com/support/contact