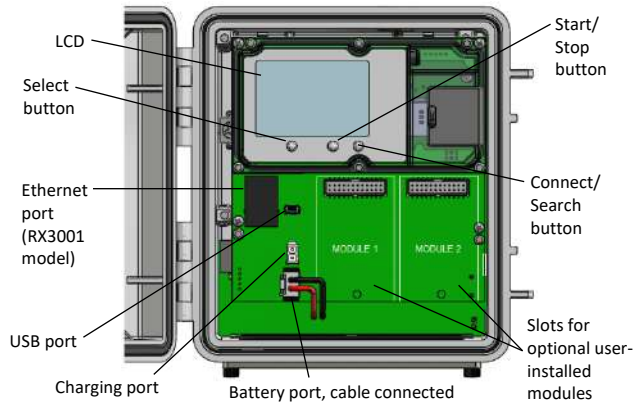


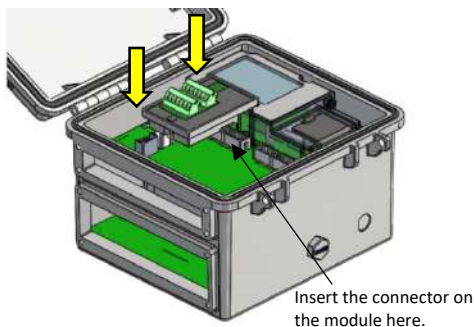
HOBO® RX3000 Remote Monitoring Station Quick Start

RX3000 Station Key Components

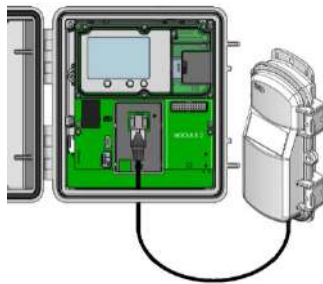


1 Install optional modules or a user-supplied SIM.

Ensure the station is powered off (unplug the charging device and disconnect the battery). Insert optional RXMOD-x analog, relay, water level sensor, or RXW Manager modules into the Module 1 or 2 slots by plugging the connector into the receptacle on the station. Screw the module in place with the screw provided with the module. If there is just one relay module, install it on the right.



If you installed an RXW Manager module, plug the cable from the RXW Manager into the jack on the module, making sure the cable is inserted through the upper cable access opening on the bottom of the station case. Do not reconnect the power on the station until the mote is plugged in as shown.



WARNING: If you inadvertently install modules while the power is on, you must disconnect and then reconnect the battery and charging device to guarantee proper operation.

Note: If you are using your own SIM card, follow the instructions at <http://www.onsetcomp.com/resources/documentation/19051-installing-sim-rx3000-station> before continuing.

2 Plug in the battery and charge the device.

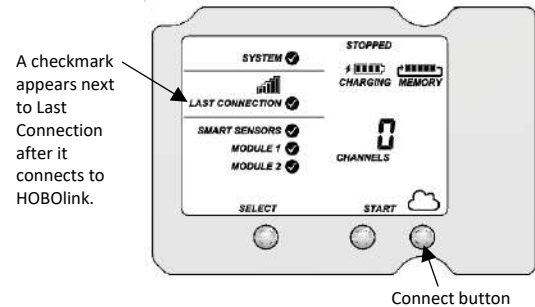
Connect the battery port connector followed by the correct charging port connector. Once the battery cable is plugged in, the LCD flashes Initializing System. A checkmark appears next to System after the system finished initializing.

Tip: Refer to the [RX3000 user guide](#) for instructions on routing the wire and sealing wires from the environment.

3 Check or configure device communications.

For RX3003 or RX3004 cellular models:

The station automatically connects to HOBOLink after you power it up in the previous step. Continue to step 6.



For RX3001 Ethernet models:

a. Plug in the Ethernet cable.

Note: The RX3001 Ethernet station is configured to automatically use DHCP. If your network uses static IP addresses, contact your Network Administrator for the correct addresses and follow the Ethernet configuration steps in the RX3000 user guide at www.onsetcomp.com/resources/documentation/18255-rx3000-manual.

b. Press the Connect button (under the cloud icon) on the station to connect to HOBOLink. Wait for a checkmark to appear next to Last Connection as shown in the example in this step.

For RX3002 Wi-Fi models:

a. Connect the station to the computer with the USB cable.

b. In HOBOWare, select Manage RX Station from the Device menu. (Select Domain networks and click Allow Access if you see a Windows® Firewall warning.)

Note: To use the RX Station Manager, use HOBOWare version 3.7.23 or earlier. It is not available in the latest version, 3.7.24.

c. In the RX Station Manager, click the Actions button and select Network Access.

d. Enter the Security information for your Wi-Fi network. Type the Network Name, select the Security Type, and type the Security Key. Consult your Network Administrator or wireless router documentation for help with determining your network security type.

Note: The station uses DHCP by default. If your network uses static IP addresses, contact your Network Administrator for the correct addresses to enter in the Networking fields.

e. Click Save in the RX Station Manager. Click Done and then close the RX Station Manager.

f. Disconnect the USB cable.

g. Press the Connect button (under the cloud icon) on the station to connect to HOBOLink. Wait for a checkmark to appear next to Last Connection as shown in the example in this step.

4 Plug in and search for any smart sensors.

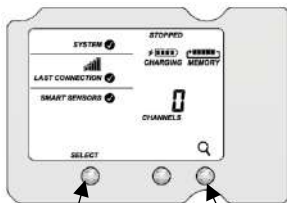
Important: If this RX3000 station is a replacement for an existing U30 station, it is imperative that you power down the U30 station you are replacing (disconnect the battery and AC adapter or solar panel) before you remove the smart sensors and connect them to the RX3000. Do not repower the U30 station or allow it to connect to HOBOLink again unless at least one different smart sensor is connected to the U30 station first.

- a. Plug smart sensors into the ports on the bottom of the case.

Tip: Refer to the [RX3000 user guide](#) for instructions on how to route the wires and seal them from the environment.



- b. Press the Select button to view the smart sensors on the LCD and then press the Search button (the magnifying glass icon should be visible as in the example below). The station searches for all connected smart sensors and shows the number of channels after a few seconds. Note that some smart sensors have multiple channels (such as the temperature/RH sensors).



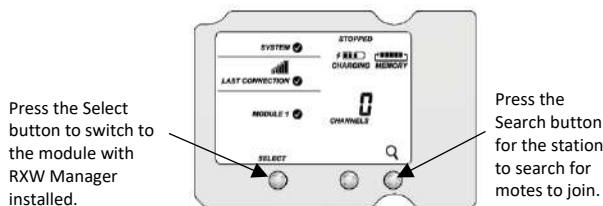
Press the Select button to view the smart sensor channels.

Press the Search button for the station to identify connected smart sensors.

5 Add any wireless sensor motes.

Important: Keep motes near the RX3000 station while completing these steps.

- a. Press Select to switch to the module where the RXW Manager is installed (Module 1 or Module 2) and then press the Search button to wait for motes to join the network.



Press the Select button to switch to the module with RXW Manager installed.

Press the Search button for the station to search for motes to join.

- b. Install the rechargeable batteries in the mote and press the button on the mote for 3 seconds.



Press this button for 3 seconds

- c. Watch the mote LCD during the process of joining the network.



This signal strength icon blinks while searching for a network.



Once it finds a network, the icon stops flashing and the bars cycle from left to right.



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



Once the mote has finished joining the network, the "x" icon disappears and the channel count on the station LCD increases by the number of measurement channels for the mote plus the battery.

Repeat steps to add other motes. Press the Search button on the station when finished adding motes.

6 Connect water level sensor, analog sensors, or relay devices.

Note: You may wait to connect these until you are at the deployment site.

Power down the station (unplug any charging device and disconnect the battery). Connect any sensors or devices to the optional modules. For a water level sensor, feed the cable through the top cable access opening. Slide the connector at the end of the cable into the receptacle on the module. Insert the cable jack on the other end into the water level sensor and screw on the locking nut. See the [RX3000 user guide](#) for details. Power the station back up after connecting sensors/devices.

7 Log in to HOBOLink.

Log into an existing account at www.hobolink.com or create a new one. You'll receive an email to activate the new account.

8 Register and Configure the RX Device.

In HOBOLink, click Devices and then Register RX Device. HOBOLink walks you through registering your device, activating your data plan, and configuring your sensors and any alarms.

9 Start logging.

You can start logging in two ways:

1. Select Save and Start Logging at the end of the HOBOLink registration process. Logging starts at the next connection interval, which is typically set to once every 24 hours.
2. You can immediately start logging by pressing the Start button on the station.



For additional information: See the HOBOLink Remote Monitoring Station User Guide for specifications and detailed operation. Go to www.onsetcomp.com/resources/documentation/18255-rx3000-manual or scan the code at left.