

How to install a HOBO MX 2302 Temperature/ Relative Humidity Bluetooth logger and collect data

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A HOBO RX 2302 bluetooth logger capturing sub hourly microclimate data in a raised garden bed. Images by Markana Cruz 2026.

1 Before you start

1.1 How to download HOBConnect

*make sure you allow HOBConnect to find bluetooth devices. This needs to be on so it can work.

1.1.1 iOS Users

1. Open the **App Store** on your device
2. Click the **search icon** in the bottom right corner
3. In the search box type in “**HOBConnect**”
4. Click **Get** next to the HOBConnect app

1.1.2 Android Users

1. Open **Google Play** on your device
2. In the top right corner click the **search icon**
3. In the search box type “**HOBConnect**”
4. Click **install**

1.2 Creating a Licor Account

*This can be done in the app or on your default browser

1.2.1 On the HOBConnect app

1. Click **Settings** in the bottom right hand corner
2. Click “**Create New Account**”
3. From there, fill out the form accordingly with your information
4. After creating account check the corresponding email that you linked to the account and activate it from there (you will not be able to log in if this is not completed)

1.2.2 On Browser

1. In your browser search bar type in the following link: licor.cloud
2. Click the “**Register Account**” button
3. From there, fill out the form accordingly with your information
4. After creating account check the corresponding email that you linked to the account and activate it from there (you will not be able to log in if this is not completed)

1.2.3 The following steps are all done all in the app:

1. Return to the HOBConnect app
2. In the bottom right you will see a settings button. Click that.
3. Click “Connect Account” and fill out login information

1.3 Creating a Cornell IPM account

1. Visit <https://cornell-ipm.org>
2. Click 'sign-in' and then 'sign up' (figure 1).
3. Save your credentials in a safe place.

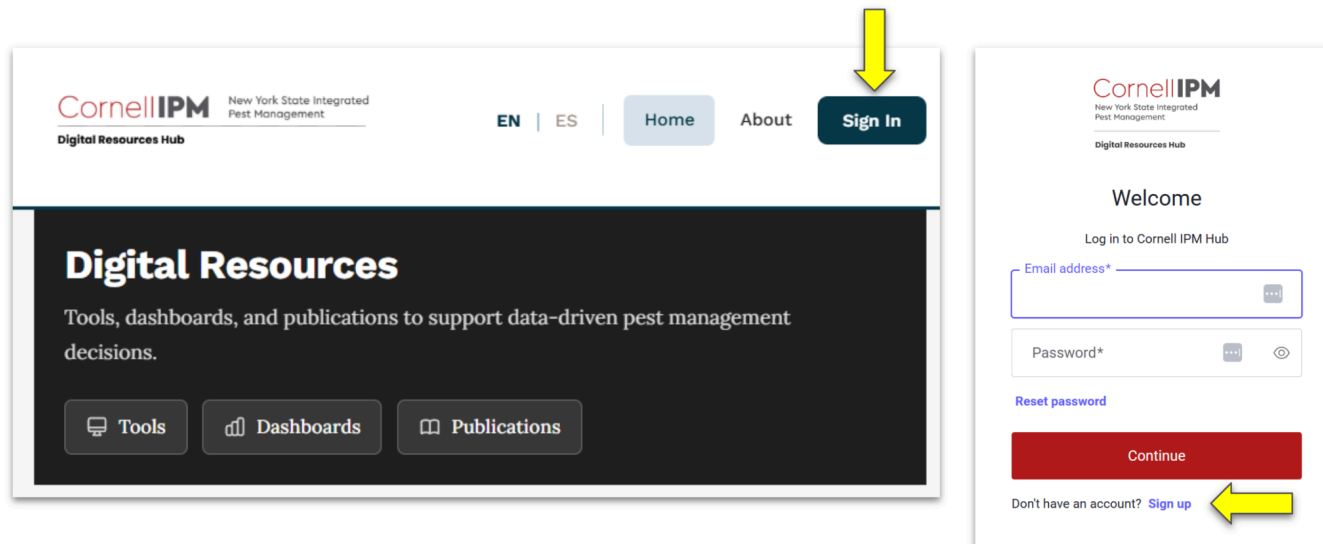


Figure 1. Click 'Sign in' and then 'Sign up' to create a new Cornell IPM user account at <https://cornell-ipm.org>.

1.4 Request access to the Cornell IPM Licor organization

Send an email to newa@cornell-ipm.org with the subject line 'MX Logger Request'. Include the following information in the message.

1. Your name
2. Your organization
3. The device serial number
4. Device coordinates (use google maps. Right click any location and copy the provided latitude and longitude (figure 2).
5. The email address used for your Cornell IPM account in step 1.3.

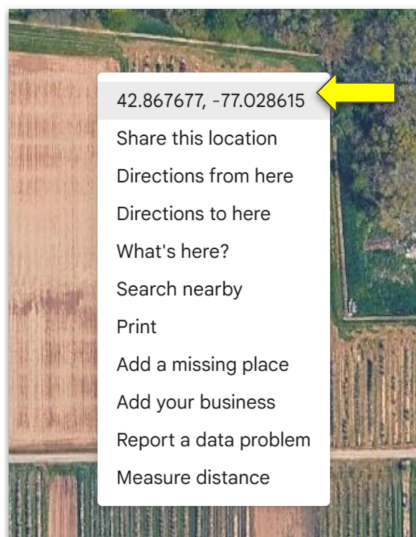


Figure 2. How to get location coordinates in Google Maps. Right click any location, then click the numbers at the top of the box that appears. This copies the latitude and longitude.

2 Preparation

2.1 Configuring the logger in HOBONect

1. Once you're in a 100ft range of the data logger it should automatically appear on your screen (if not try getting closer to the data logger)
2. Make sure that the data logger that appears matches the serial number on the device (figure 1).
3. Click on the matching logger
4. Click “Customize Configuration and start”
5. From here you can change the loggers settings to fit your needs
6. Once done click “start”

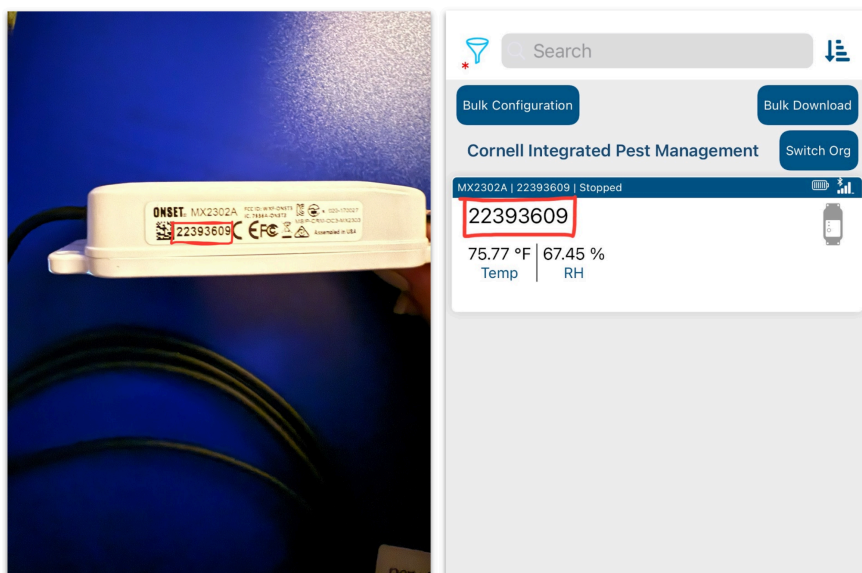


Figure 1. Check that the data logger serial number matches the selected serial number displayed in HOBONect.

3 Installation

3.1 Equipment needed

- ☐ HOBO Data Logger(s)
- ☐ Solar Radiation Shield(s)
- ☐ Zip ties
- ☐ Wooden post

3.2 Installing the sensors

1. Set up wooden post in designated area
2. Connect Data Logger(s) to Solar Radiation Shield(s) (picture examples below)
3. Use zip ties to secure data logger(s) and solar radiation shield(s) to the wooden post in desired area
4. Check HOBConnect app to make sure data loggers are working properly/show up



4 Data uploads

To upload data to LICOR using the HOBConnect app follow the instructions depicted below.

Standard Operating procedure | MX2302 Bluetooth Logger for Microclimates

