

Atom

The Atom comes shipped in **Sleep** mode. To install the Atom, it must first be placed into **Install** mode.

To reboot the Atom and place it in **Install** mode, hold the button for **8 seconds**.

During the first **30 seconds** of a reboot, the operation modes can be changed by pressing the button **5 times**. The device will flash multiple times to indicate the current mode. **Install** mode is indicated by **2 white** LED flashes.

In **Install** mode, the Bluetooth radio will turn on more often so a device pairing can be made.

If a connection is made, the unit will automatically change to **Ready** mode, and stay in that state.

If no connections are made **30 minutes** after changing to **Install** mode, the Atom will go back to low-power mode to save battery.

Pressing the button **once** causes the Atom to wake up and send collected data to its parent device.

Bluetooth will automatically turn on at set intervals to transmit collected data to the parent device.

LED Color and Flash Patterns

Green Blink - Your Atom is actively collecting data.

Blue Blink - The Bluetooth radio is on and waiting for a parent to retrieve its data.

Blue Blink (x2) - Parent device has connected to the Atom and data is being transferred.

Aqua - Parent device has recently connected in the past **6 minutes** to the Atom, but has not connected since then. Data continues to accumulate.

Yellow - Waiting for date & time to be set. The Atom should transition out of this state after pairing with a device.

Magenta - Firmware update is in progress.

White - Operational mode indicator.


Operational Modes


Low-Power - **3 White** flashes.



Install - **2 White** flashes.

Ready - **1 White** flash.

PQ Canvass

- Log in to pqcanvass.powermonitors.com
- Click devices icon  in the bottom dock.
- Select the Tensor to pair with.
- Select **Actions**, then **Atom Discovery**.
- Nearby Atoms will show up.

S/N	Updated	RSSI (dBm)	TX Power (dBm)	Associated
700429	7/31/2023, 12:06:09 PM	-67	0	

- If the Atom does not appear, tap the button on the Atom to place it in *pairing mode*.
- Click the associate icon .
- When finished, the icon will change to .
- You can also use the (+) or (x) icons in the Devices page to associate/disassociate respectively.

55630	Keaton WiFi Tensor	Tensor	+
700439	700439	Atom	x

- Press the button on your Atom once to force it to send its data to your paired Tensor.
- Now, click on your Atom in the PQ Canvass device list.
- Select **Graphs** and then **Interval** to view the most recent data from your Atom.

Atom iOS App

- Log into the iOS application with your PQ Canvass username and password.
- Make sure Bluetooth is on. You can verify this by going to Settings > Bluetooth and making sure the toggle is **ON**.
- You will see the Bluetooth scanner animating in the top left-hand corner of the app, indicating that it is scanning for nearby Atoms.
- Atoms that are in range will turn blue and display their RSSI in dBm. Atoms only wake up every few minutes, so they may not appear quickly
- If your Atom doesn't turn blue in the list, press the orange button on your Atom to put it into "communication mode." This wakes the Atom up immediately.



- Tap on the Atom you wish to connect to. The LED on the Atom will rapidly flash dark blue to indicate that pairing is successful.
- Once paired, your iOS device will start fetching the stored data from the Atom. It is imperative that you **do not interrupt** the download process. Depending on how much data has been stored, this may take several moments.
- Once downloaded, you can inspect the stored readings, alerts, and see graphs for the interval data.
- Click "Upload Data" to send the downloaded Atom data to PQ Canvass.