



# BeeSecure

ASSET TRACKING | RURAL SECURITY | REMOTE MONITORING

## Cellular “Oyster” Tracker Getting Started

[app.beesecure.ca](https://app.beesecure.ca)



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## Part A: Account Activation

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Please see the BeeSecure Setup Guide at [beesecure.ca/getting-started](https://beesecure.ca/getting-started) to setup your account on [app.beesecure.ca](https://app.beesecure.ca) if you have not already.

## Part B: Power on your Tracker

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### Step 1: Battery Selection

- i) The tracker uses three AA **Lithium** batteries which can be bought at your local hardware store. Using normal Alkaline batteries will result in poor battery life.
- ii) For the longest battery life or operation in extreme cold temperatures, you must use **Energizer Ultimate Lithium** batteries.



### Step 2: Insert the Batteries

- i) Use all new batteries at the same time. **Never** mix new and old batteries!
- ii) Insert the batteries into the Tracker. You will have to take off the back of the tracker to do this. Make sure they are put in the **correct way**! Putting the batteries in backwards can damage the tracker.
- iii) The batteries have a (+) and (-) on either end which must match the (+) and (-) labeled inside the battery compartment in the tracker.
- iv) The red light on the tracker should start to **flash** once you put in the batteries. If it doesn't, take them out and wait a few minutes before putting them in again.

### Step 3: First Time Connecting

- i) When you put in the batteries, the red light on the tracker will start to flash. It will continue to flash until it gets a **GPS** fix and sends the data to the **BeeSecure** app.
- ii) Make sure the tracker has a **good view** of the sky so it can get its first GPS fix.

- iii) Once it gets a GPS fix and sends the data to the app, the red light will **stop** flashing. If it can't get a GPS fix, the light will stop flashing after 10 minutes and the tracker will go to sleep.
- iv) The tracker gets the **best** GPS reception when orientated with the side with the **screws faced down**.
- v) If it can't get a GPS fix or can't get an internet connection (weak cellular signal), this process will time out after **10 minutes**, and will start again the next time the tracker moves.

## Help

If the tracker can't get a cellular signal and isn't sending your location to the BeeSecure app, make sure the SIM card is fully inserted. The SIM is on the under side of the circuit board.



## Part C: Closing and Opening the Housing

- i) Ensure the **silicon seal** on the enclosure is in good condition
- ii) Close the housing, and gently squeeze it shut. Foam on the lid will compress against the batteries, holding them firmly in place.
- iii) **Tighten** the 6 screws to a uniform tightness. On the first assembly, the screws may be quite stiff



## Part D: Device Operation

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- i) When stationary, the tracker will **report** its GPS coordinates and battery status once every **24 hours**.

If the tracker is in a location with poor GPS reception such as **indoors**, the location may be **inaccurate**, and you may experience **reduced** battery life.

- ii) When the tracker is **bumped** or starts to **move**, it will send its location information to the app once every **5 minutes**. The red light will not flash when it moves.
- iii) The tracker records a GPS position every **60 seconds**. This means that every time it sends location history to BeeSecure, it will include 5 GPS coordinates from the last 5 minutes. Doing so gives a more **accurate** location history while **maximizing** battery life.
- iv) A **low** battery alert will appear in the BeeSecure app if the battery is low. Note that extreme cold temperatures could set off this alert prematurely.