

# User's Manual

## Oyster2 GPS Tracker

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[www.LoneStarTracking.com](http://www.LoneStarTracking.com)

Welcome! Thank you for purchasing the **Oyster2 GPS Tracker** from LoneStar Tracking. It's the best GPS tracker available with a dustproof and waterproof IP67 rating. With proper use, this unit can provide up to 5 years of uninterrupted service protecting assets in all conditions.

This manual will guide you through the setup and installation process as well as take a look at the software used to monitor your Oyster2 GPS Tracker.

**NOTE:** BEFORE INSTALLING PERMANENTLY, please note that the Oyster2 GPS Tracker uses satellites to receive position information and uses cellular towers to share information with our server. An unobstructed view of the sky is best but the tracker may work even if hidden. After initial setup, test the unit where you want to place it to see if there is a clear enough signal (*Subscription Data Plan* required, see the *Section 2* for details).

**NOTE:** Damaging the casing of the Oyster2 GPS Tracker or installing batteries incorrectly may void its warranty.

### 1. Batteries

Your package includes **(3) Energizer Ultimate Lithium batteries** (may be pre-installed).

The Oyster2 requires (3) AA batteries to operate. While any AA batteries will work, note that standard AA batteries only last a few days. And while other brands of lithium AA batteries will last a few years, only the *Energizer Ultimate Lithium* batteries (available at most hardware stores or [LoneStarTracking.com](http://LoneStarTracking.com)) can deliver up to 5 years of operation.

**NOTE:** When operating the Oyster2 GPS Tracker in an extremely cold environment, we recommend Lithium/Thionyl Chloride (LTC) batteries (available for purchase at our website)

### Installing Batteries

**NEEDED:** Phillips head screwdriver, (3) AA batteries (Energizer Ultimate Lithium batteries recommended).

To access the Oyster2 GPS Tracker battery compartment, first remove the 6 screws on the bottom of the unit.

Rock the top of the unit gently and slide it off to reveal the battery chamber.

**NOTE:** Make note of your Oyster2 GPS Tracker unit's IMEI / Serial Number, found inside the battery chamber or on a sticker on the outside of the tracker. This is needed to activate your subscription

Replace batteries according to the diagram inside the chamber.

**WARNING:** Installing a battery in the wrong direction can damage the Oyster2 GPS Tracker and will void your warranty.

## 2. Setup the Oyster2 GPS Tracker

**NOTE:** The Oyster2 GPS Tracker requires a **subscription Data Plan** (The Oyster2 uses AT&T Cat-M cellular towers which offer coverage in Mexico, Canada and the United States). BEFORE INSTALLATION, ensure that the coverage includes your area.

To purchase a subscription

1. Go to <https://www.LoneStarTracking.com> and click on the *Subscriptions* button in the upper right corner.
  - . Choose a monthly or annual plan. All service plans include access to our cutting edge mobile app, 4G cellular connectivity, and support from our dedicated staff of PS tracking experts.
  - . Using the *Subscription Type* pull-down menu, select Asset (Oyster2, Yabby GPS, Titan LTE).
  - . Enter the IMEI / Serial Number in the proper field. This can be found inside the battery chamber or on the back of the tracking device.
  - . Choose the number of subscriptions you are purchasing, then click the *Sign Up Now* button.
  - . On the next screen, make sure all information is accurate, then press the *Proceed to Checkout* button.
  - . Enter your Billing Information including name, address, phone number, email and payment details, then click the *Sign Up Now* button.

**NOTE:** Device activation can take up to 12 hours to complete. An email notification with your Username and Password will be sent when done. If you log in and your tracker is not in the correct location, chances are that activation has not yet completed.

8. To see your Oyster2 GPS Tracker's location, visit <https://leetONE.lonestartracking.com/lite/online> and enter your user name and password when prompted. Please note, the username and password that you used when you purchased the tracker may be different than the username and password to access the tracking system. Once activation completes, you will receive an email with your login information. See next section for details on phone or tablet apps.

### 3. Using the Lonestar Tracking Website

The website at <https://leetONE.lonestartracking.com/lite/online> gives you more features than the Lonestar Tracking App. On your computer, you can view *Online Tracking* of all assets, generate *Route Reports*, choose *Alert* parameters, view all alerts, list all *Tracking Devices*, create and manage *Locations (Objects)*, create and manage *Alerts*, and set Profile preferences.

#### Online Tracking

This is an interactive map showing GPS Tracker locations. By default, this is the first screen seen when launching the website and it shows all assets as icons on the map. Each icon has a unique identifying name and is color coded.

- Green icons are assets in motion (Driving)
- Red icons are still (Standing)
- Black icons are inactive (No Data - device is sleeping)

Click on an icon to see most current tracking data including location, latitude & longitude, and last data received.

**NOTE:** If you are managing more than one GPS Tracker, you can use the map's pull-down menus to refine your assets by vehicle or its status (driving, still, etc.).

#### Route History

This handy feature of the Lonestar Tracking website details an asset's travel time. You can refine this report by date, vehicle, and by route. A map pull-down menu gives route details including asset name, start and stop locations, and time traveled.

Complex routes are broken down to by stop times. You can click on any part of the route indicated onscreen to get more details about that leg of the travel. Information provided by the Oyster2 GPS Tracker include start and stop locations and times as well as travel distance.

**NOTE:** For greater details about any route recorded by the Oyster2 GPS Tracker, see Route Reports.

#### Route Reports

Similar to Route History, Route Reports give even more detail about a trip. You can refine this report by vehicle, date, and time. Once you have the right settings, press the *Select* button to see the results.

The report generated includes tracker information including From, To, Distance, Time, Max Speed, Avg. Speed, and Odometer.

## Alerts

**NOTE:** Click the *New Alert* button to open the *Alerts* tab under the *Settings* menu.

The *Alerts* report generates a detailed report that shows the date and time of an alert, the *Number* of the GPS tracker, the associated vehicle, the Alert Type and the actual alert message.

## Settings

The Settings tab at the [Lonestar Tracking web page](#) allows you to create, manage, and delete information including *Tracking Devices*, *Objects* (Locations), *Alerts*, and *Profile*. The searches and Alerts on the webpage give you greater control than with the Lonestar Tracking App.

### Settings->Tracking Devices

The Tracking Devices tab under Settings shows all active GPS Tracker devices in your profile. Information shown includes tracking device Number, Icon Text, Make / Model, Created date, and an Action link.

Clicking on the Action hyperlink on any asset reveals greater details about that vehicle and tracking device that you can add. This information includes License Plate, Icon Type, Icon Text, Make / Model of the tracking device, Fuel Type, and Mileage.

### Settings->Objects

*Objects* are landmarks, buildings, or anything else you can pinpoint on a map. For example, you can set your home and office as objects. The *Objects* tab reveals specific details like *Object Name*, *Area*, *Coordinates*, *Author*, as well as *Edit* and *Delete* links.

Clicking the *Edit* link associated with any object reveals it on the map. You can change the location's name by typing it into the *Save Object* field and clicking *Save*. Click *Cancel* to return to the previous screen.

Clicking the *Delete* link associated with any object asks if you're sure, and the object is removed permanently from your profile when you click *OK*. Click *Cancel* to keep the object and return to the previous screen.

### Settings->Creating a New Object

You can create a new landmark by clicking the *Create Object* button in the upper right side of the *Objects* screen. This will open a map. Click the *Search Address* pull-down menu and enter

the name and/or address of the object you want to place, then press the *Return* key on your keyboard.

Once the object is shown on the map, use your computer mouse to create a boundary box around it, setting each point of the box with a click. Click the first point of the box again to finish.

A Save Object box opens where you enter the Object Name. Click the Save button and you are returned to the main Objects page, now displaying the new point you just created.

## Settings->Alerts

The *Alerts* tab on the *Settings* page allows you to view all active alerts as well as create new ones. Information shown under *Alerts* includes the *Type* of alert, the *Conditions* that caused the alert, when it was *Created*, and *Action* items for each alert including *Edit* and *Delete*.

By default, the only alert set on the Oyster2 GPS Tracker is the *Low Battery Alert*. It warns when power is down to 35% and continues to warn until the batteries are replaced.

Clicking *Edit* on any alert opens a menu to change various settings. See the next section for each alert's settings.

## Creating New Alerts

Clicking the *New Alert* button in the upper right hand part of the *Settings->Alerts* screen opens the *Alert Type* page.

The *Alert Type* menu allows you to toggle *Object*, *Speeding*, *No Power*, *No GPRS*, *Battery Level*, *Supply Voltage*, *Movement Alert*, and *Moving With Ignition Off* warnings that will appear on the [Lonestar Tracking website](#) as well as cell phone and tablet apps.

**NOTE:** You can also toggle *Show Popup Notifications* which affects the Lonestar Tracking website only, not apps.

## Settings->Profile

The *Profile* menu lets you customize your profile with name, email, phone number, select language, and preferences for various units of measure, accessed through pull-down menus. As well, you can change your password in this area. NOTE - password changes can only be done through our website, and not the mobile phone app for security reasons.

## 4. Download the App

In addition to the website, the Oyster2 GPS Tracker can be monitored through an app on your cell phone or tablet. Search for *LoneStar Tracking* at your device's software site and follow directions to download.

## 5. Using the Lonestar Tracking App

**NOTE:** The first time you launch the LoneStar Tracking app on your cell phone or tablet, you will scroll through a few Tips. Click the Finish button when done.

1. Enter your email address and password when prompted (clicking the *Remember Me* button will avoid the login screen).
2. By default, the Map screen is displayed. You can pinch to zoom and use your fingers to move the map.

**NOTE:** Clicking on an asset displays its details including the tracker's name, its location, battery power, power status, and battery life.

## App Icons

1. Map screen: This displays the Lonestar Tracker's interactive map showing your assets.
2. Notifications screen: Shows a chronological list of all the notifications sent to your device including battery level indicators, movement alerts, etc.
3. Settings screen: Allows customization of *Alerts*, *Notifications*, *Language* as well as displays a *Logout* selection.

## Map Screen

1. Map Settings (change from Map to Satellite view, turn on traffic and/or Icon Grouping [for more than one tracking device]).

2. Search: Look for a specific asset (used most often for more than one tracking device). You can filter search results with the *All*, *Driving*, *Stopped*, *Idling* and *No data* buttons at the top. Clicking on an asset in the search results will give detailed information about the asset including its current location (hyperlink opens your device's default map).
3. Asset Details: This button reveals a quick view detailing *All* assets in your account, how many are *Driving*, *Stopped*, *Idling* and *No Data*.
4. Reset: This button will center the map, zoomed out.

## Notifications Screen

This is a straightforward screen that shows a chronological listing of all notifications sent to your account. Clicking on a notification will reveal that asset on the map. There is a Notifications back arrow at the top which will take you back to the previous Notifications screen.

## Settings Screen

On the Settings screen you can customize *Alerts*, *Notifications*, *Language* as well as the ability to *Logout*.

### Settings->Alerts

There are three **alerts** enabled on your Oyster2 GPS Tracker including

1. **Low Battery** Alert (enabled by default) which starts when the battery is at 35% capacity and continues regularly until they are replaced (See *1. Batteries*),
2. **Movement** Alert which warns if the Oyster2 GPS Tracker moves more than 750 ft. and
3. **Geofence** Alert - you can **use your computer** to define a geographic area and be alerted if your tracker enters or leaves this area.

The Oyster2 GPS Tracker system's Alerts can be adjusted here including *Technical* and *Driving* Alerts.

### -> TECHNICAL Alerts

The TECHNICAL alerts section allows many adjustments; which assets are connected and monitored, which days of the week the unit is active, and which email and phone numbers to alert.

**NOTE:** All Technical alert changes require clicking the Save button at the bottom of the screen.

The *Connection Alert On/Off* button can notify you when a connection is made to the Oyster2 GPS Tracker system. Click the *Save* button when finished.

The *VEHICLES* alert section adjusts which assets appear on the map; *Show All*, *Select Vehicles* and *Select Groups* (both of which require more than one GPS tracker be activated under your account in order to adjust settings).

*WEEK DAYS WHEN ALERT WILL BE ACTIVE* alert adjusts which days the Oyster2 GPS Tracker will be active.

Press the *ADDITIONAL EMAIL TO RECEIVE AN ALERT* to review / add / subtract other emails to get tracker alerts. Space #1 is for the primary email and additional emails can be added underneath by clicking *+Add Email* for additional addresses.

Press the *ADDITIONAL PHONE TO RECEIVE AN ALERT* to review / add / subtract phone numbers to get tracker alerts. Space #1 is for the primary phone and additional lines are added by clicking *+Add Phone* for additional numbers and filling in the space. Click the *Save* button when finished. Note - Phone numbers must include +1.

The *NOTIFICATIONS* section allows you to turn alerts on or off for the Mobile App as well as the primary email address.

#### -> *DRIVING ALERTS*

The *DRIVING ALERTS* section allows many adjustments; which assets are connected and monitored, which days of the week the unit is active, the time period the tracker will be monitored, as well as which email and phone numbers to alert.

**NOTE:** All Driving alert changes require clicking the *Save* button at the bottom of the screen.

The *VEHICLES* section adjusts which assets appear on the map; *Show All*, *Select Vehicles* or *Vehicle Groups* (all settings require more than one GPS tracker be activated under your account in order to change from a single unit).

The *WEEK DAYS WHEN ALERT WILL BE ACTIVE* section adjusts which days the Oyster2 GPS Tracker will be active for Driving Alerts.

The *TIME PERIOD WHEN ALERT WILL BE ACTIVE* section adjusts which times the Oyster2 GPS Tracker will be active. Set the *Time From* and the *Time To* areas to set a specific time frame for monitoring.

Press the *ADDITIONAL EMAIL TO RECEIVE AN ALERT* to review / add / subtract other emails to get tracker alerts. Space #1 is for the primary email and additional emails can be added underneath by clicking *+Add Email* for additional addresses.

Press the *ADDITIONAL PHONE TO RECEIVE AN ALERT* to review / add / subtract phone numbers to get tracker alerts. Space #1 is for the primary phone and additional lines are added by clicking *+Add Phone* for additional numbers and filling in the space. Click the *Save* button when finished.

The *NOTIFICATIONS* section allows you to turn alerts on or off for the Mobile App as well as the primary email address.

Settings->Notifications

The Oyster2 GPS Tracker system's *Notifications* section allows you to turn alerts on or off using the radio toggle switch.

Settings->Language

The *Language* section of the Oyster2 GPS Tracker system's *Settings* adjusts which of the 22 available languages is used.

Settings->Logout

Pressing *Logout* allows you to exit to Lonestar Tracking App.

## 5. Installing the Oyster2 GPS Tracker

**NOTE:** BEFORE INSTALLING the Oyster2 GPS Tracker permanently on your asset, download and install the **Lonestar Tracking App** from your phone or tablet's software site. Setup a **subscription data plan** and check that your device receives a signal where you want it installed (in addition to signal clarity, the Oyster2 uses AT&T Cat-M cellular towers which offer coverage in Mexico, Canada and the United States but may not cover your area).

There are two mounting holes on the base of the Oyster2 GPS Tracker which can aid installation. However, since this unit can be installed nearly anywhere on the asset and used on a variety of vehicles including boats, cars, trailers, and more, there is no standard installation.

Some people have used zip-ties to bind the tracker to its asset. Others use self-tapping screws to mount the unit firmly onto a metal frame. Lonestar Tracking also offers strong **magnets** to secure your Oyster2 GPS Tracker without damaging any surface.

**WARNING:** No matter what method is used to secure your device, make sure it doesn't damage the case which may void your warranty.

After you **install** the device, please check the **Lonestar Tracking App** to be sure the signal is good. To access the tracking system, you can use a computer or your smartphone. To access via a computer, please visit <https://fleetone.lonestartracking.com>. To use your iPhone/Android device, please visit the app store and

Your Oyster2 GPS Tracking Device is designed to sleep when not in motion to save power. When moving, the device will wake up and begin reporting its position once every 5 minutes (or 1 hour depending on the subscription you selected). Once your asset stops again, the tracker will go back to sleep to save power.

Our support team is available to help by phone, email, or chat. You can call us toll free at 1-877-777-8636 or email us at [support@lonestartracking.com](mailto:support@lonestartracking.com).