



# User Manual

iTrail Convoy

# What's Inside

---

- iTrail GPS Device
- iTrail Charger
- iTrail Serial Number
- iTrail IME#
- iTrail Subscription Plan (Separate but Required)
- iTrail GPS App (Download free from the [iOS App Store](#) or [Google Play Store](#))
- iTrail GPS Web Platform (<http://track.myitrail.com>)



---

## Getting Started

With your **iTrail Convoy** purchase, an activation fee was included in your purchase price. Please go to <http://myitrail.com> and click on “Activate Device” to sign up for a Billing account and select a Data Subscription Plan that will fit your needs.

For this process, you will be signing up for two separate accounts: one for Billing and one for the Live Tracking platform. You will therefore receive two separate email confirmations: one will be a confirmation email stating you have created a Billing account, or that you have added a data plan to your existing account. The second email will contain your Tracking account credentials. Your Tracking account is created for you by our iTrail Support Team.

*Note: It may take 24-48 hours for your Activation and the two accounts to be created.*

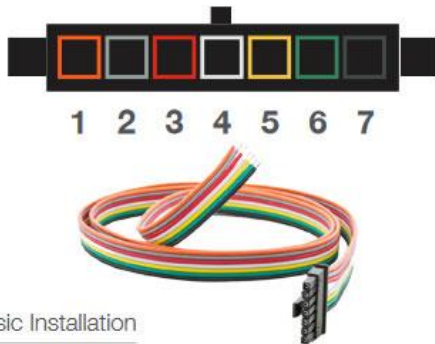
# iTRAIL CONVOY

## GPS902-4G



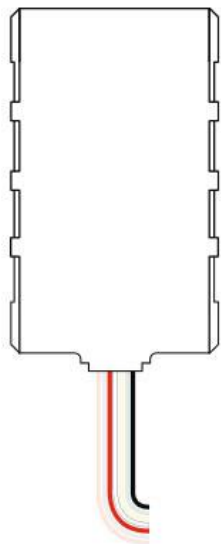
Wiring Guide

### Pin Layout From Device



### Basic Installation

Just three wires are need for this installation.



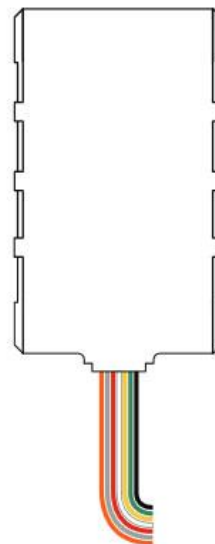
Pin	Wire Color	Connection
7	Black	Run to Ground
4	White	Run to Ignition
3	Red	Run to 12v Power

### Wiring Key

Pin	Wire Color	Discription
7	Black	Ground
6	Green	Output 2
5	Yellow	Output 1/Input
4	White	Ignition Detection
3	Red	12v Power Input
2	Gray	TXD
1	Orange	RXD

### Advanced Installation

**STOP** - Advanced installation not required for regular GPS tracking. Please contact us before attempting any custom installations.



Pin	Wire Color	Connection
7	Black	Run to Ground
6	Green	Output 2
5	Yellow	Output 1/Input
4	White	Run to Ignition (Connect to <b>Run</b> Part)
3	Red	Run to 12v Power
2	Gray	TXD
1	Orange	RXD

### Notes on TXD and RXD (Advanced Installation)

TXD signal is an output on a DTE device and an input on a DCE device. Similarly, RXD is an output on a DCE device and input on



www.myitrail.com  
support@myitrail.com  
800.590.4272



---

## Device Installation

The iTrail Convoy is similar to that of a car stereo. If you are not confident in your ability to install the device, we suggest that you take this device to a mechanic who is familiar with installing these types of devices or car stereos. They will need to make sure that it is wired correctly according to the diagram located above.

The iTrail Convoy is powered by your vehicle; to install the device, connect the wiring harness to the base unit as indicated in the diagram below. Once that's done, connect the Red wire to the vehicle's power. Connect the Black wire to Ground. Connect the White wire to the vehicle's ignition or accessory power.

The iTrail Convoy features an internal antenna which is needed to ensure GPS communication. When installing the unit in the dash of the vehicle, place the unit with the lights and logo facing down with as little metallic obstruction above it as possible. Because of differences in vehicle manufacturers, best placement will vary by vehicle. If signal strength seems to be weak, move the device to a different position and check the platform to see if the device has connected and is reporting.

Once the unit has been installed, take the car for a drive for 15-20 minutes so the device can register on the GPS network and begin reporting. The iTrail Convoy is motion activated; it will only attempt to communicate with the platform when motion is detected, which will update the tracker's position on the map.

The Red and Green LEDs on the label side of the device are intended to help you troubleshoot problems with your tracker. When the car's ignition is first turned on, the device will power up. The GPS Light (RED) should begin to flash followed by the Cell Light (GREEN). The GPS Light will turn solid once a GPS signal is located. The Cell Light will slow down, but remain flashing once it has connected to the cellular network.

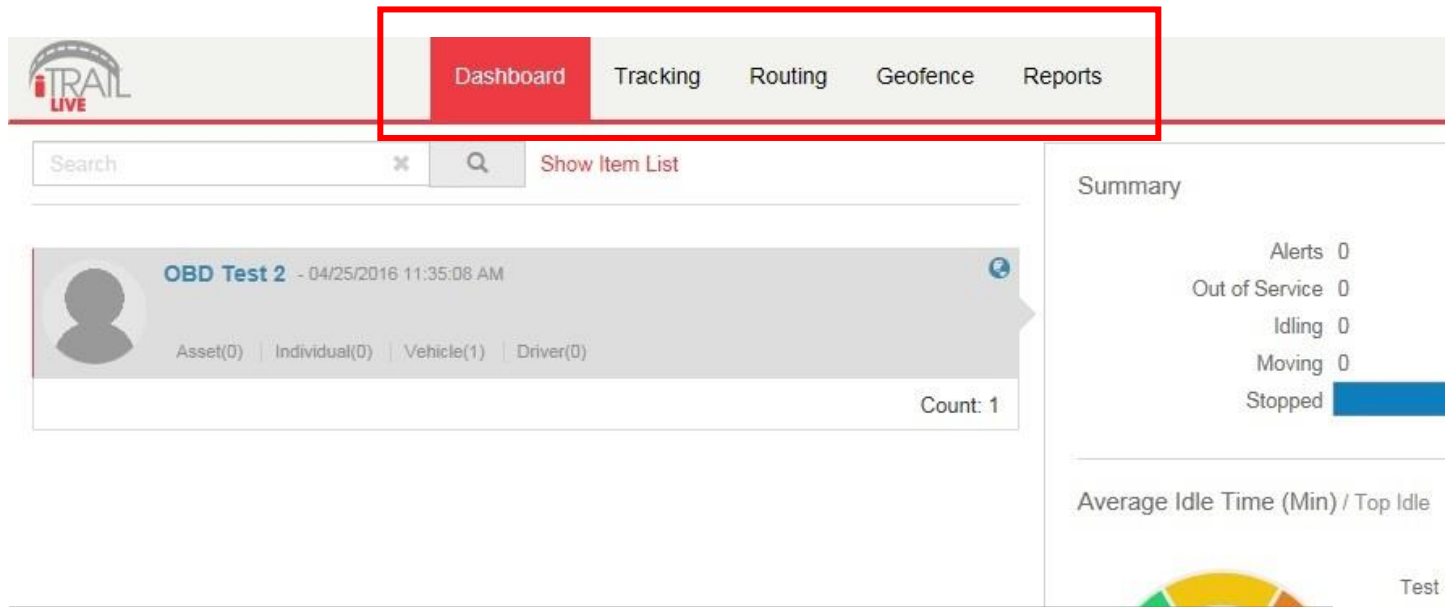
---

## Navigating iTrail Live

To log into your **iTrail Live** tracking account, open a browser window and go to <http://track.myitrail.com>. Enter your Username and Password provided to you, and click on

Login. We strongly suggest you change your Password, as this default Password is not unique to your account. See page 20 for details.

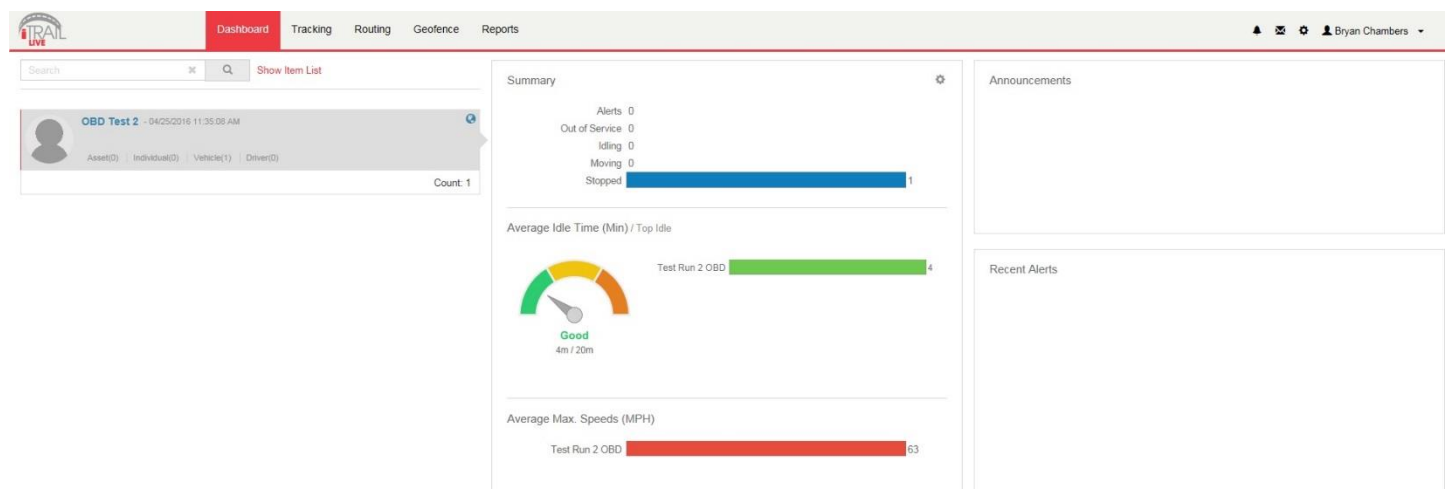
The iTrail Live website is divided into 5 tabs: Dashboard, Tracking, Routing, Geofence, and Reports. You can find these tabs at the top of the website.



## Dashboard

Your Group Name is along the left-hand side of the Dashboard, showing how many GPS trackers are registered under that Group.

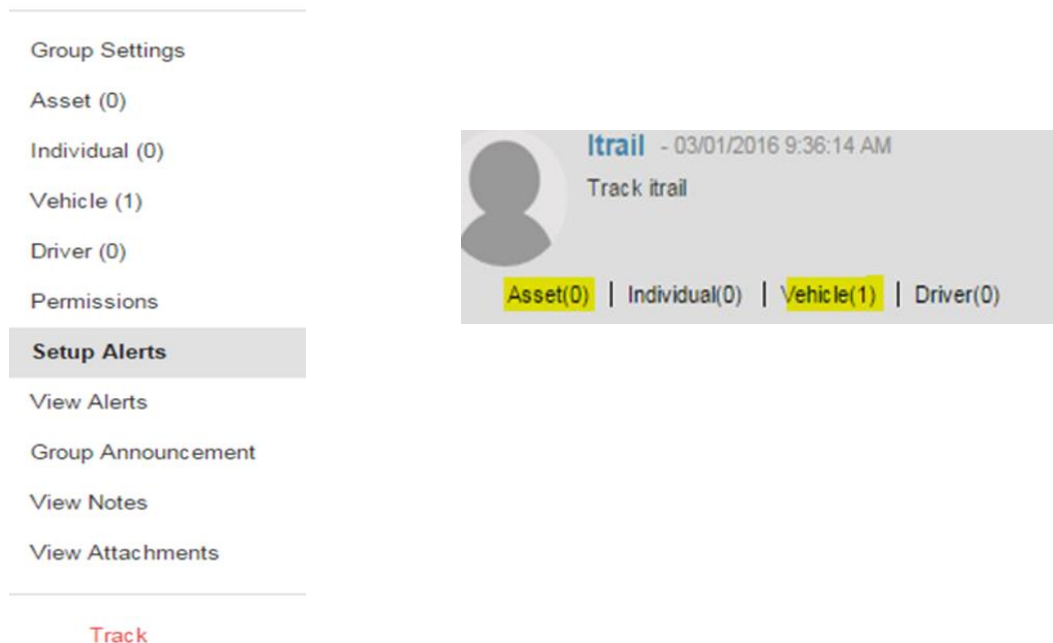
- The Summary allows a user to easily see how their trackers are doing, how many alerts were sent, how many devices were in idle status, how many registered movement, and how many were stopped.
- You are also able to see the Average Idle Time, Average Max. Speeds, and most recent Alerts Triggered in corresponding cells on the Dashboard.



- In the upper right-hand corner of the Dashboard, you can see your account name, along with a few icons.
  - Alerts: the bell icon is for alerts, and will have a red dot when there are unviewed alerts triggered.
  - Messages: the envelope icon is for the Messaging Center, which can be used to send an email for iTrail Support.
  - Gear: the Gear icon is for Favorites and Commands.
  - Account Name: clicking on your Account Name will allow you to log out or change your password.

**Alerts:** The Alerts section lets you manage what kinds of alerts your device will create and how you will be notified.

1. Click on Setup Alerts under your Vehicle or Asset to get the following selection:



2. Click the Excessive Speed Selection on the “Select a Trigger” portion of the screen, for example. This will then change the setup values on the remaining tabs, which lets you choose when and where alerts will be sent. Select the device you would like to edit by checking the box next to it. *\*Please note that you will need to select the device you*

want the alert attached to if you have multiple devices.

3. On the Configuration and Schedule option, the Threshold is the speed limit you want to set. Select the number of days with start and end time. If you do not want constant speed alerts, you can click on Ignore Duplicates and select how many duplicated messages you want blocked.
4. On the Display Option, you can have special icons on the platform to warn you when someone is speeding. This is optional.
5. Choose what icon will appear where a Geofence alert was created using the Alert Image dropdown box.
6. Enter your email or phone number, and click “Save.”

\*Excessive Speed

Configuration and Schedule

Threshold or Value mi: 65

Scheduled Days: Sun Mon Tue Wed Thu Fri Sat

Start Time: 00:00 AM End Time: 11:59 PM

Ignore Duplicate Alerts Within Minutes: 1

Display Options

Display Type: Show Alert Icon

Alert Window Ask Question

Show Zoom Button

Priority Level: Normal

Alert Image: Blue

Alert Sound: No Sound

Repeat Sound

Delivery

Email Address (Use semicolon between addresses with no spaces): bchambers@kbsecurity.com

Subject: [ITEM\_NAME] generated [TRIGGER\_NAME] at [LOCAL\_TIME]

Body: [ITEM\_NAME] - [DRIVER\_NAME] generated [TRIGGER\_NAME] at [LOCAL\_TIME][NEW\_LINE] [TRIGGER\_VALUE] [NEW\_LINE] Last known position Lon:[LON] Lat:[LAT][NEW\_LINE] [FULL\_ADDRESS][NEW\_LINE]

Delete Save

To set up a **Panic** button alert, select the Panic Button from the Alert Trigger options.

1. Select if you want duplicates ignored, and continue to the Display Options.
2. On the Display Options, you can have special icons on the platform to represent your Panic alert on the map.
3. Enter your email address or cell phone number, and click “Save.”

To create a **Low Battery** alert. Click on Low Battery on Alert Trigger.

1. On the Configuration and Schedule option, type in the threshold, which is the battery percentage you want the device to reach before alerting you.

2. On the Display Option, you can have a special icon on the platform to represent your Battery Alert on the map.
3. Enter your email address, and click “Save.”

---

## Tracking

Tracking information is displayed using Google Earth Maps, so navigation is similar to what most people have grown used to in using internet-based mapping solutions. You can use the Navigation arrows and Zoom Bar to move around the map, or drag the map using your mouse and zoom using a click-wheel mouse.

**Map Tools:** Located in the upper right-hand corner of the Tracking Map.

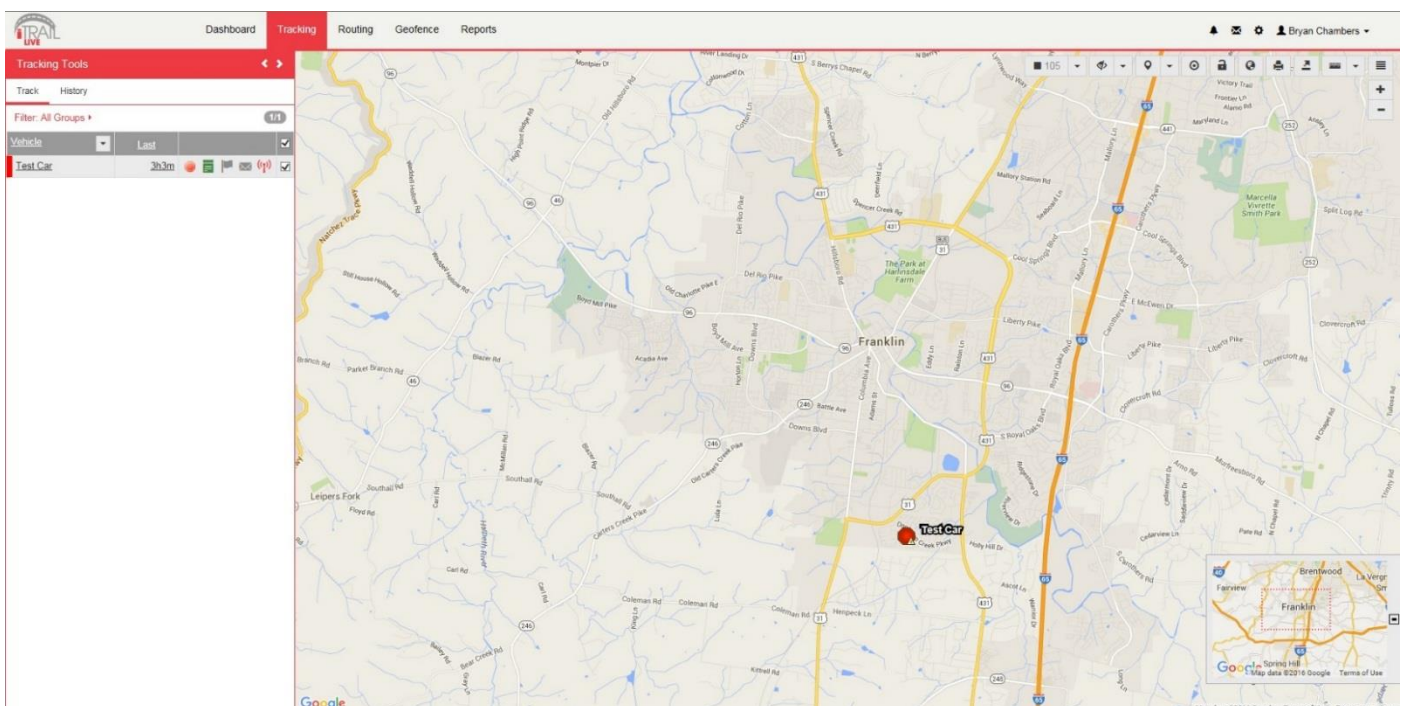
- **Countdown Timer:** Countdown to when the tracking page refreshes and updates the map with the latest tracker location (does not affect actual GPS update frequency you selected with your data plan). Click the dropdown arrow to select a desired refresh rate.
- **Label:** Toggles GPS tracker names given to the units.
- **POI:** Toggles Points of Interest (POI) created by the user. Click the dropdown arrow to choose to see the buffer zone surrounding the POI.
- **Geofence:** Toggles visibility of created Geofences.
- **Lock:** Locks the map in place. The map won't snap back to the default position when it refreshes if it is locked.
- **Print Map:** User can print the Live or History tracking map. Included is an image of the map, along with current info on individual trackers.
- **Export KML:** The user can export the map to a KML format to open separately in Google Maps or Google Earth.
- **Show Ruler:** User can measure either distances or areas of their choosing on the map. Click the dropdown arrow to select between area and distance measurements.
- **Map Layer:** Click to choose between Google Street, Satellite, or Hybrid views of the Tracking Map.

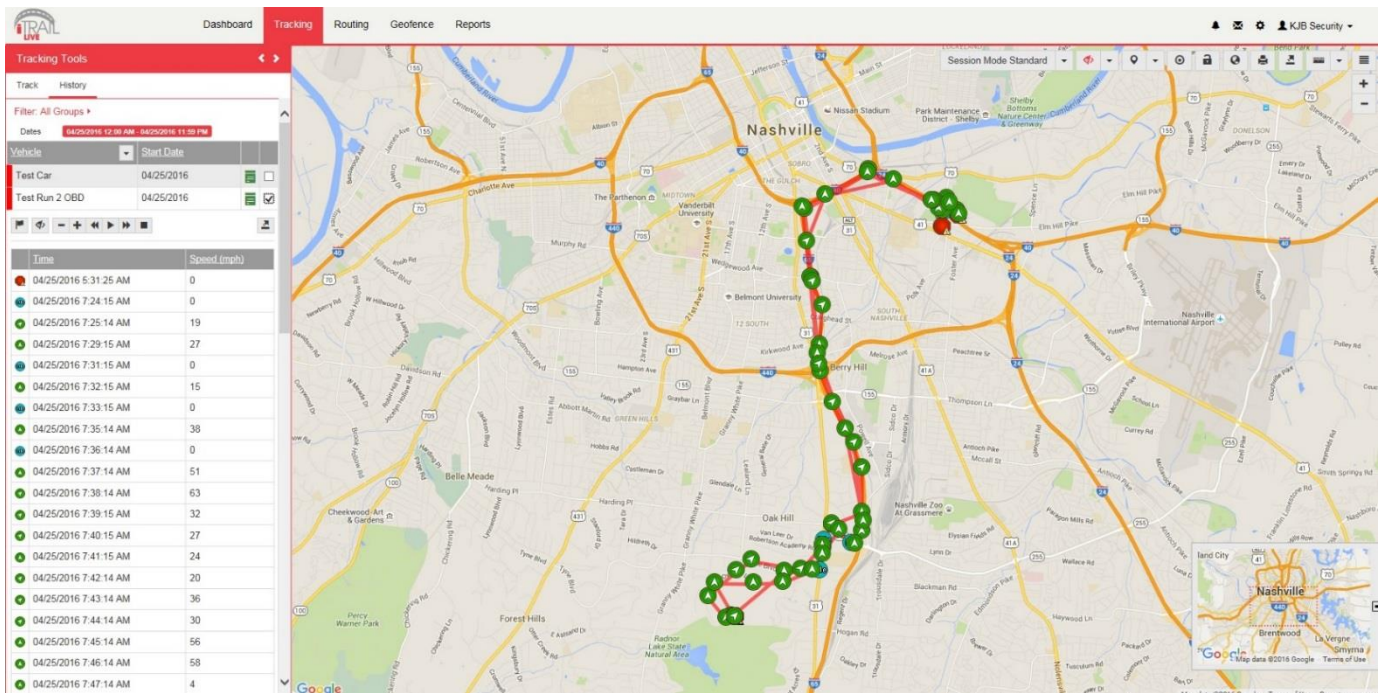


- **Zoom Tool:** Click the + or – buttons to zoom in and out of the map.
- **Map Overview:** Located in the lower right-hand corner of the Tracking Map, the Overview is a zoomed out view of the larger area the Tracking Map occupies. Click on the + or – to hide this Overview Mini Map.
- **Show/ Hide Arrows:** Arrows ( < > ) to the right of the Tracking Tools on the left-hand side of the page toggle between fullscreen Tracking Tools, both Tracking Map and Tools, or fullscreen Tracking Map.

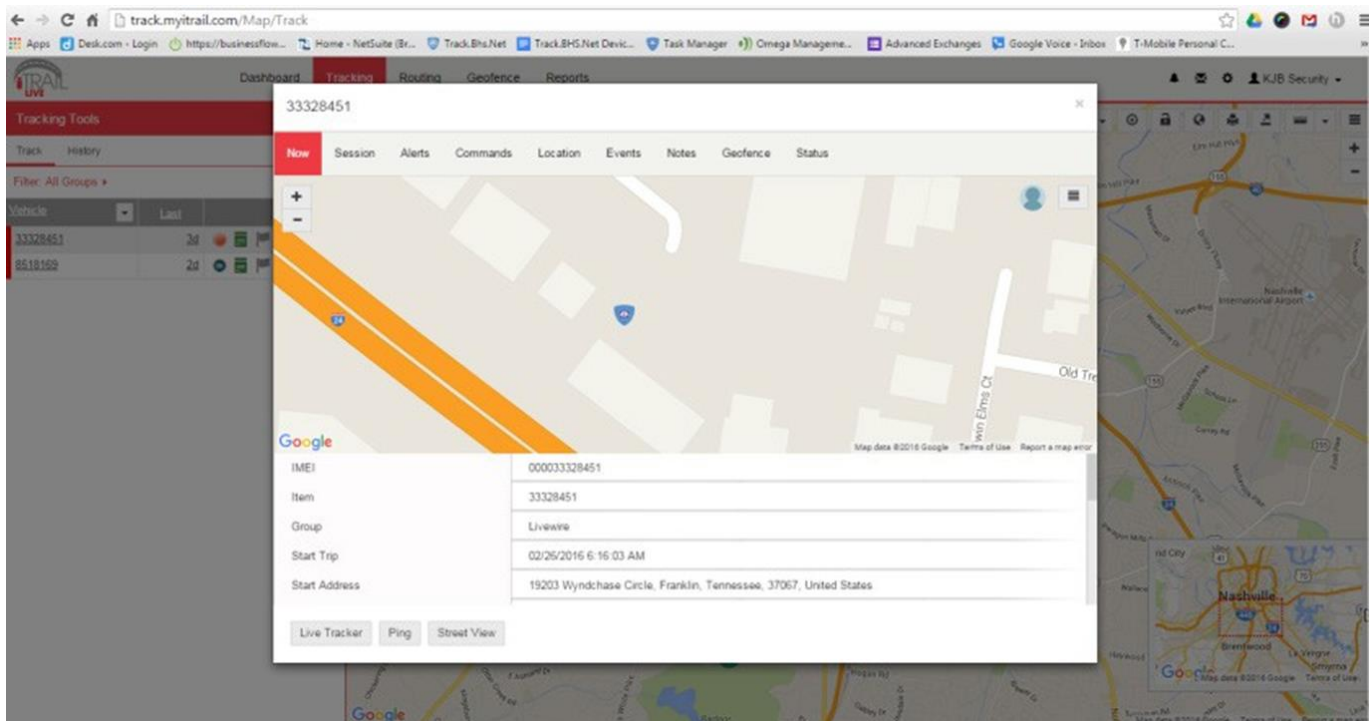
**Tracking Tools:** Located to the left of the Tracking Map.

- **Track Tab:** Shows live map and locations of trackers.
  - User can filter by Group name to find specific trackers
  - Can also filter by other options and parameters when clicked.
  - List of trackers available to view.
  - Select or deselect to see what trackers you want.
  - Buttons for Session Info, Alerts, Command Messages, Ping available.
- **History Tab:** Shows history tracking map for GPS units.
  - User can filter by Group name to find specific trackers
  - Can also filter by start date, end date, or key words.
  - List of trackers available to view.
  - Select or deselect to see what trackers you want.
  - Buttons for Session Info available.
  - When tracker trip is toggled, User can select to see alerts, show or hide trip positions, export to KML file, or can play back the trip and includes **Stop, Play, Pause, FF, RW, and Speed** controls for playback.
  - User can select specific locations on the History trip map to bring up zoomed detailed location and other session info.



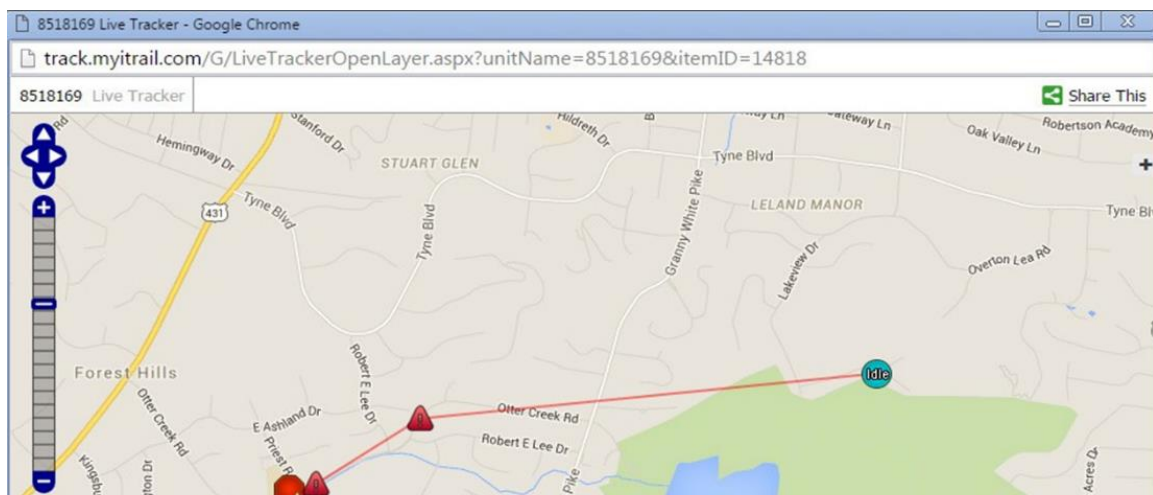


**Session Info:** When you click on a tracker's location icon (usually green arrows), either in Live Tracking or History Tracking, the Session Info window will pop up. This will show your tracker's name, Session, Alerts triggered, Locations the tracker has been, Geofences, Live Tracker, and Status of the device.



**Live Tracker:** Live Tracker will open up a separate window displaying your devices' locations, and allows you to see past locations. Using the drop-down boxes on the bottom right of the window, you can adjust how often your screen refreshes and how many locations will appear on the screen.

The counter on the bottom left of the window displays how long it will be until your screen refreshes. You can email a link to this page, allowing other users to view your tracker's location by click on the Share This icon in the upper right-hand corner of the window. When doing so, you may choose how long the link will be active before expiring using the Link Expiration dropdown



---

## Routing

The **Routing** tab allows you get routes and directions to specified locations from all of your trackers. This tool can be very useful, especially for fleet use with multiple service vehicles, as the map will show all of the vehicles' distances and estimated travel times to a location.

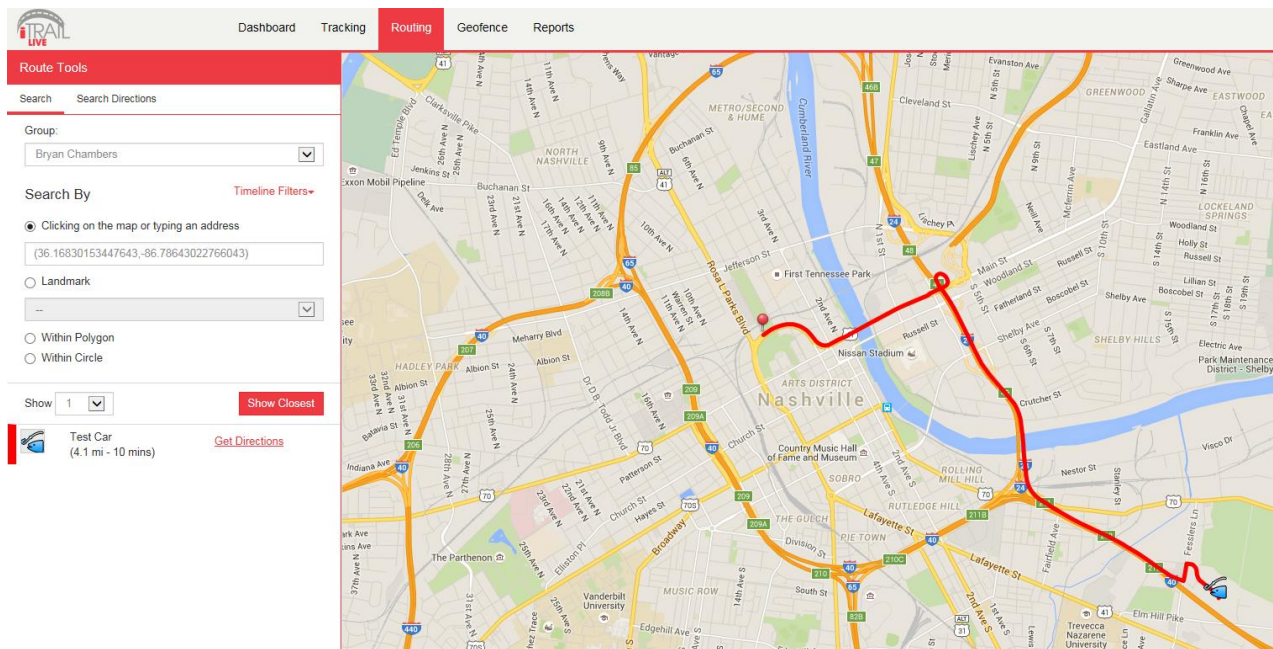
**Map Tools:** Located in the upper right-hand corner of the Route Map.

- **Map Layer:** Click to choose between Google Street, Satellite, or Hybrid views of the Tracking Map.
- **Zoom Tool:** Click the + or – buttons to zoom in and out of the map.

**Route Tools:** Located to the left of the Route map.

- **Search:** User can search for a route to a specific address or area on the map from a GPS tracker.
  - You can filter by Group for list of GPS trackers for a route
  - Either click on the map to drop a destination pin, choose a created Landmark (POI), or type in an address to generate a route.

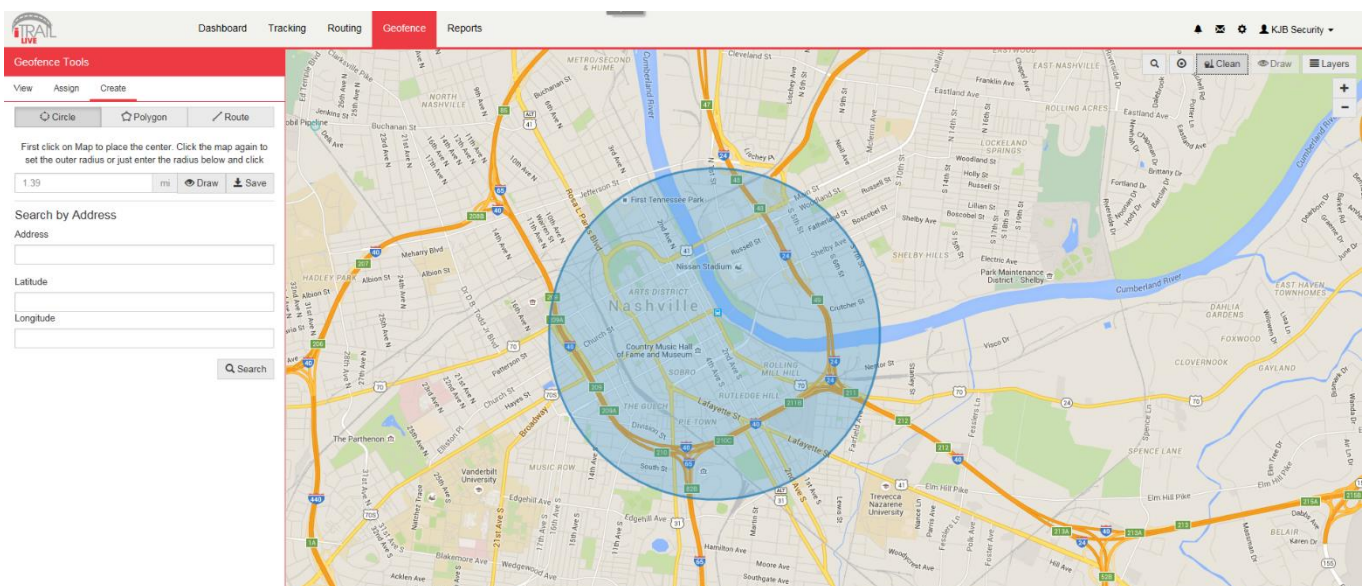




- **Search Directions:** User can enter or click start and end points for trip directions, similar to Google Maps or Google Earth directions.

## Geofence

The **GeoFence** tab allows you to create quick Geofences, based on the location you are currently viewing or route for the device. A Geofence is a virtual barrier. The user can create a Geofence of different shapes around a specific location, and set up alerts to let them know when a tracker enters or exits that created area.



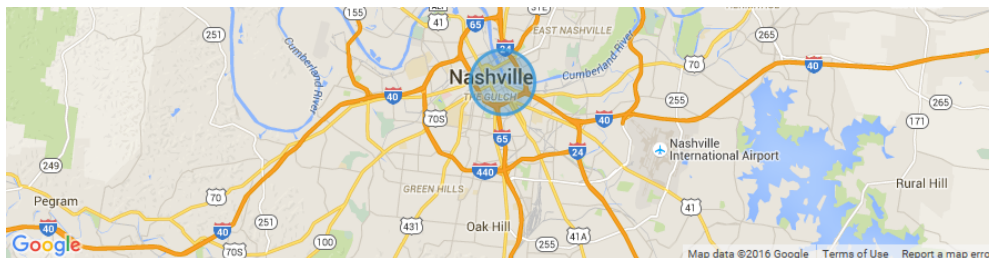
**Map Tools:** Located in the upper right-hand corner of the Geofence Map.

- **Search:** Click the Search button to search for an address you want your Geofence to be drawn around.
- **Clean:** User can erase a drawn Geofence (before saving) if a mistake was made while drawing.
- **Map Layers:** Switch between (Street/ Satellite/ Hybrid) views.
- **Zoom Tool:** Click the + or – buttons to zoom in and out of the map.

**Geofence Tools:** Located to the left of the Geofence Map.

- **View Tab:**
  - Search button used to search for an address you want your Geofence to be drawn around.
- **Assign Tab:**
  - Tracker List
  - Gear icon (next to the tracker name) to assign a Geofence to a tracker
  - User can search for trackers by name or filter by Group name
- **Create Tab:**
  - Circle Geofence
    1. Click on Circle Geofence.
    2. You will see a small circle around your mouse arrow. Click once on the desired location, and again away from the middle of the circle. This will create a circle around the item.
  - Polygon Geofence
    1. Click on Polygon to create a free-form shaped Geofence.

2. Click around the desired location. Each click is an angle in your custom shape. Double click to finish drawing and close the shape.
- Route Geofence
    1. Click on the Route Geofence to create a boundary that will follow the entire trip of your tracker.
    2. Click along the road that you plan on having your device follow. Double click to end the Geofence.
  - Saving your Geofence
    1. Once you have created your Geofence, click save.
    2. The Geofence Editor window will then pop up. Enter the name and description (optional).
    3. You can also choose the Border and Fill color of your Geofence, along with line weight, opacity, or choose an image.
    4. For a Route Geofence, enter a Route Buffer. Route Buffer is the distance in miles the tracker is allowed to stray off course before sending an alert.
    5. Check the “Assign to item in groups” box, and use the **Action** dropdown box to choose if you would like an alert created when the device enters the chosen area, exits the area, or both.
    6. When you are finished, click the “Save” button at the bottom to save your new Geofence.



#### Geofence Name

#### Description

☐ Create Multiple Geofences

Border Color



Fill Color



Stroke Width

Fill Opacity

Image

Geofence Group

☒ Assign to item in groups

Action

Time In (min)

Time Out (min)

Min Speed (mph)

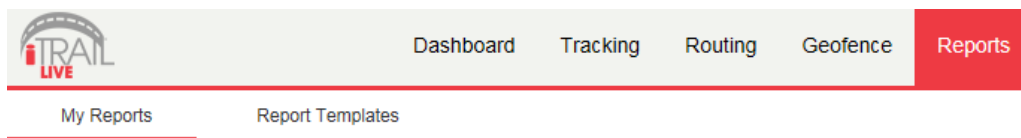
Max Speed (mph)

Days Time

---

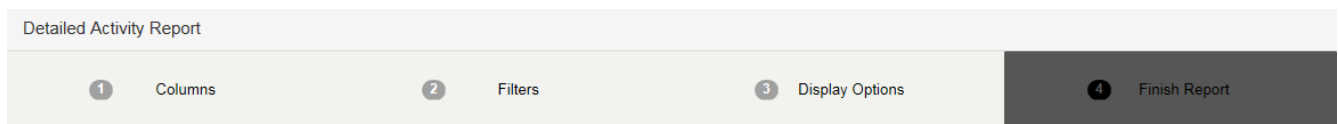
## Reports

To run Reports on your tracking device, click on the Reports tab at the top of the screen.



- **My Reports:** Any reports that you may have run in the past will show up under the **My Reports** tab.
- **Report Templates Tab:** To create a new Report, simply click on **Report Templates**. You can then choose a report you would like to run.

When creating a report for the first time, you will have 4 options you will have to complete before running the report:



### 4 Choose Display Options

Finish Report

**Report Name:**

**Report Description:**

**Options**  

☒ Preview

☐ Save and Run



1. Columns: All columns are already pre-selected. You can click “Next” to continue.
2. Filters: Select the date range you want to pull data from. Select your Group, Item (Tracker), and Driver (a driver has been created). Click “Next” to continue.
3. Display Options: You can add either a grid or a chart to your report, or choose none of them to keep it simple. Click “Next” to continue.
4. Finish Report: Name your report and add a description. You will need to create a unique name (can’t be named the same as default). Next, either preview your report or save and run it, and select “Finish Report.” Your report will open, and now show up when you first click the Reports tab from the Menu.

---

## Changing Your Password

To change your Password, click on the account name, which should appear in the upper right corner of the browser window. Once you enter your new Password, click the “Change Password” button to save your changes.

---

## Support

To access FAQs, as well as other support materials for your device and the iTrail Live Tracking platform, go to <http://myitrail.com/FAQS>

For additional support, contact iTrail Support Team:

Call **1-800-590-4271** (option 3)

Email [support@myitrail.com](mailto:support@myitrail.com)

iTrail Live support is available **Monday through Friday between 8 am and 5 pmCST.**