2011

Magnum AVL GPS Fleet Tracking User Interface Help Guide

Contents: Recent Technical Bulletins and Website Updates, Overview of Control Panel and Software Menus and Quick Reference "How To Guide"

5/11/2011

HELP GUIDE OVERVIEW

The vehicle tracking software has several components that allow you to manage your vehicle tracking system. The major sections are:

- ***1. Recent Technical Bulletins / Web Site Updates***

- ***2. Control Panel***

- ***3. Software Menus:***

  - **Alerts Menu**   - **Recipients Menu**

  - **Report Menu**   - **My Account Menu**

  - **Landmarks Menu**   - **Groups Menu**

  - **Subaccounts Menu**   - **Themes Menu**

  - **Refresh Menu**

- ***4. Quick Reference "How to Guide"***

Map4 Enhancements – Released April 2009

Summary of Enhancements (See Help Guide for more detail on setting these features up)

- Idle Alert - Idle alerts can be sent every 10 minutes (up to 60 minutes)

- Stop Duration Alert – Stop Duration alerts can be sent every 10 minutes (up to 60 minutes), after 24 hours, and after 7 days.

- Odd Hour Alert – Off Hour alerts will trigger based on a time schedule set by end user. End User can do this on a day by day basis.

- Poly Fences - End user will have the ability to set time based Poly Fences. Poly Fences allow end user to create a geofence in virtually any size and shape (see example below).

- Geofence Entry/Exit – Entry and Exit of a geofence are indicated on the map.

- Enhanced Consolidated Trip Report - This is already in the system and indicated as the ignition report. We will be changing the name to Consolidated Trip Report.

- Enhanced Help Menu Options – We are adding about 25+ help buttons on the dialog boxes. The help button will link direct to a help menu that will explain in detail how to use the feature.

- Control Panel Balloons/Stop Signs – The change will be as follows: gray balloons will no longer display in the control panel. The end user will only see green balloons (ignition), stop signs, and blue arrows (movements).

- **Note:** Most Dialog boxes allow you to Filter by entering a "value". You also have the ability to sort columns by ascending or descending information.

Maintenance Alerts – January 2010

Maintenance alerts can be added on a per vehicle basis and can be set for mileage, engine hours, or time (months).

To set the maintenance alert, go to "Maintenance" menu and select "add maintenance alert". You will first need to select the map label/serial number of the unit, name the alert, and select the type of alert you would like setup (mileage, date, time).

If "Type: Distance" is selected, the mileage accumulated on the tracking unit will display. If engine hours are selected the engine hours that have been accumulated on the tracking unit will display.

Once "Type" is selected you will need to select the Time you want the first alert to take place. For example, if the current distance is 1,658 miles and you would like to be notified every 5,000 miles (with a subsequent alert every 5,000 miles) then you would populate the start alert field with 6,658 miles and select the repeat box, and populate the repeat field with 5,000 miles. This will send an alert every 5,000 miles.

An alert will be sent to your email every 5,000 miles and the message will include the vehicle name, alert name, and any notes you may have added to the notes section.

All alerts can be viewed in the View Maintenance alerts dialog box.

Maintenance Alert

Serial #:	vp350 #28 (6291110028)
Name:	OIL
Type:	Distance
Current Distance (Miles)	1658 Miles
Start Alert (Miles):	1660
	☑ Repeat
Repeat Every (Miles):	5000
Email recipient:	main@tracking.com
Time Zone:	Pacific Time
Language:	English
Notes:	

Help   Close   Add

View Maintenance Alerts

Filter by: Map Label   value:

Map Label	Serial Number	Name	Email	Description	Delete	Modify
vp350 #28	6291110028	oil	bernardarroyo@gm	Distance Alert starts at 1490 Miles repeats every 10 Miles	✖	📝
jimh	6192820084	test	bernardarroyo@gm	Distance Alert starts at 1580 Miles repeats every 10 Miles	✖	📝
vp350 #99	6391330199	radiator	bernardarroyo@gm	Distance Alert starts at 375 Miles repeats every 10 Miles	✖	📝

Vehicle Inactivity Report – January 2010

Vehicle Inactivity Report

The Inactivity report can be accessed in the "Reports" menu, and can be run by date range. The inactivity report will provide a listing of all vehicles that had no movement in the selected time period.

Landmark Clustering – January 2010

Landmark Clustering

A change in the way the landmarks are displayed on the map has been implemented to speed up the mapping application. The landmarks will appear as the map is zoomed in, and will cluster as the map is zoomed out.

In the example below you will see a blue circle with a "5". This indicates that there are 5 landmarks clustered in this area. An example of the clustering is below.
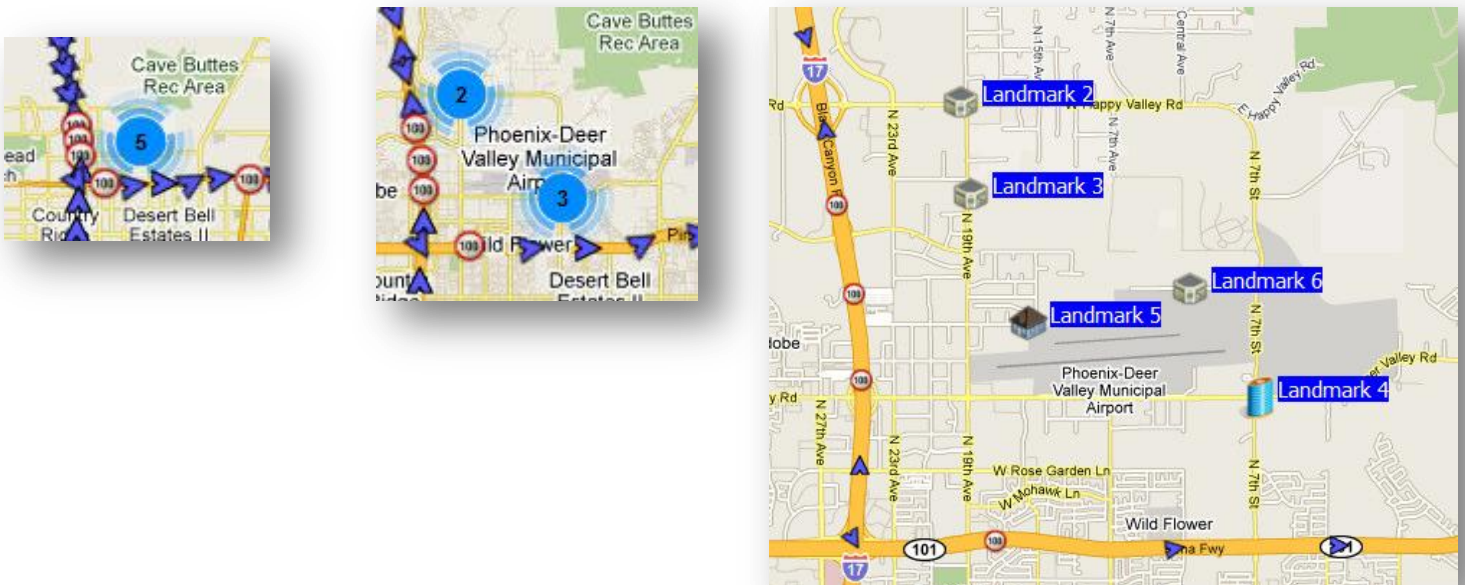
Additional Icons – January 2010

Additional/Blank Icons

A number of color icons have been added, and if no icon is
needed (only label will display), the blank icon can be selected.
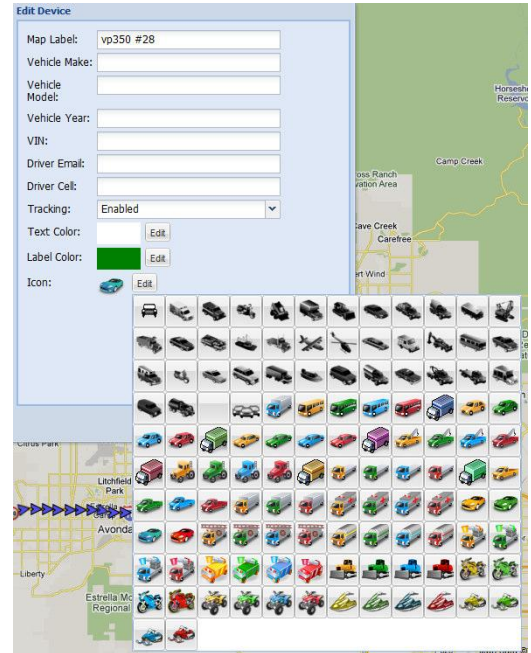
Google Street View – July 2010

The user interface now has the capability to show an address or map point in using the Google Street View
feature. Click on this icon and drag it to the area that you want to view. The map will turn blue to indicate the
areas that are available in Street View:
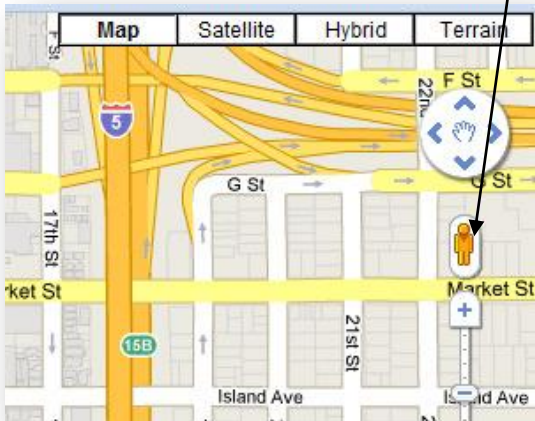
Alert Recipients Component / Other – July 2010

Before:
There were Global Alerts and Vehicle Specific Alerts.
A recipient received any and all alerts that were set up. There was no ability to specify which alert types they would receive.
There was a separate Maintenance Alert tab.
Recipients were added under the Alerts Tab or under Vehicle Tracking History.
You had to scroll in the dialog box to find a certain vehicle, serial number, recipient, etc.

Now:
There are Global, Vehicle, or Group Alerts.
A recipient can receive Global, Vehicle, or Group Alerts along with the ability to choose which specific alerts they receive.
The Maintenance Alert is now included under the Alerts tab.
There is a separate tab to add and manage recipients.
You can specify the Time Zone for any Alert, Recipient, Report, or Subaccount.
You can "sort" or filter" in any dialog box instead of having to scroll.
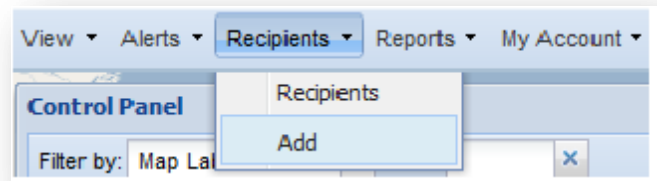
Scope	Alerts	Name	Type	Address	Delete	Modify
Vehicle : VP400Bernard (8009130012)	all	bernard	Email	bernardarroyo@gmail.com		
Vehicle : Vehicle-044 (2131002529)	Speed Alert	bernard	Cell Number	8583447195		
Vehicle : (2131002391)	all	bernard	Email	bernardarroyo@gmail.com		
Group : AI2	Idle Alert	Luis Escobar	Cell Number	2039191515		
Vehicle : PNP-Jennifer (8008340063)	all	Luis Escobar	Email	escotel@esi1.net		

Recipient

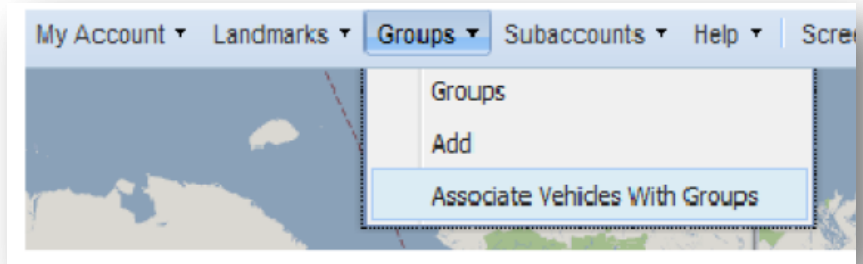|	
Scope:	Group
Group:	AI2
Alert Type:	Speed Alert
Name:	Speeding
Type:	Cell Number
Cell Number	6198541156
Time Zone:	Pacific Time
Notes:	

Vehicles in Multiple Groups – July 2010

This improvement allows a vehicle to belong to multiple groups. Name your new Group and press "Add".

Then, click on "Associate Vehicles with Groups" from the Groups drop down menu to move vehicles into a Group. Next, choose the vehicle that you want to belong to that Group. You can have the same vehicle belong to multiple groups. For example, BAT and PNP-Jennifer can belong in both Group Bernard and Group Sales.

Internet Explorer 9.x Compatibility – May 2011

This improvement enables all features of the mapping application to function properly when using IE9.x

Show Current Address in Control Panel – May 2011

This new feature provides the ability to provide the current address of all vehicles in the account by selecting the 'Address' option in the Control Panel Options on the UI.
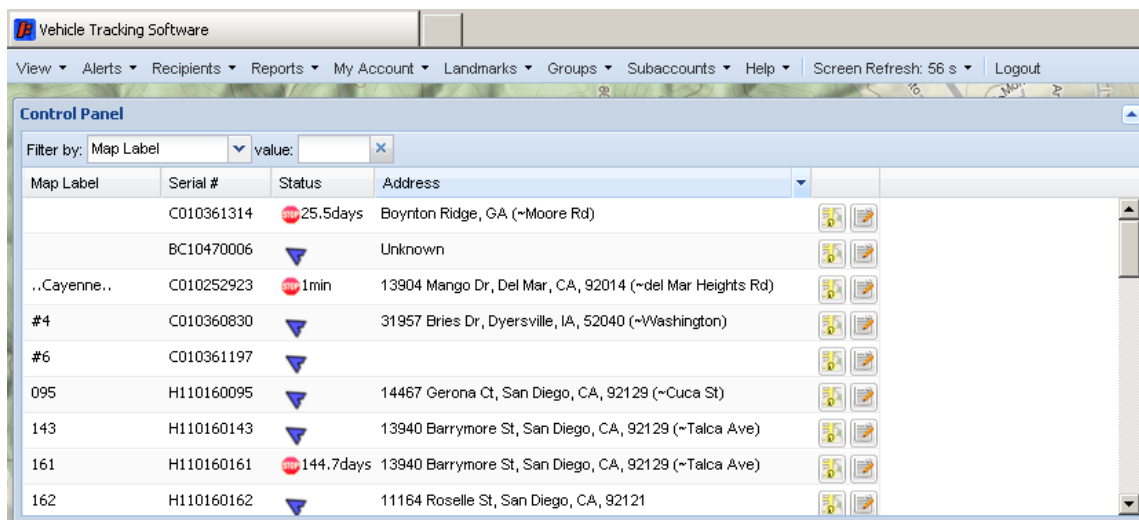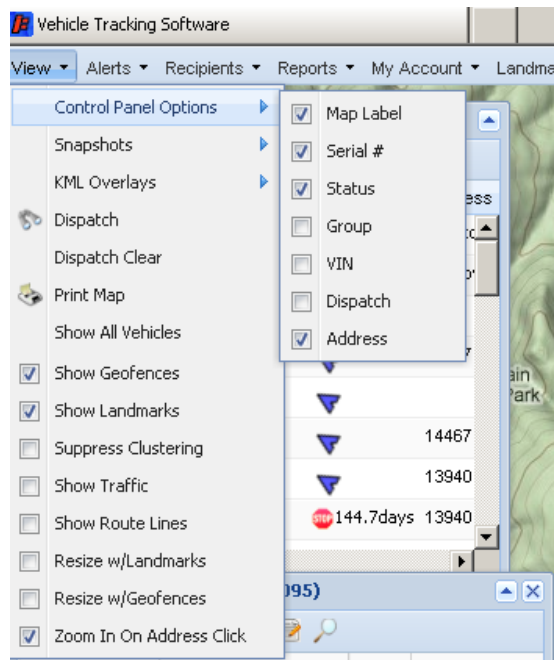
KML File Overlay – May 2011

This new feature enables users to import Google Earth or Google Maps .KML files to place custom overlays on the mapping application.
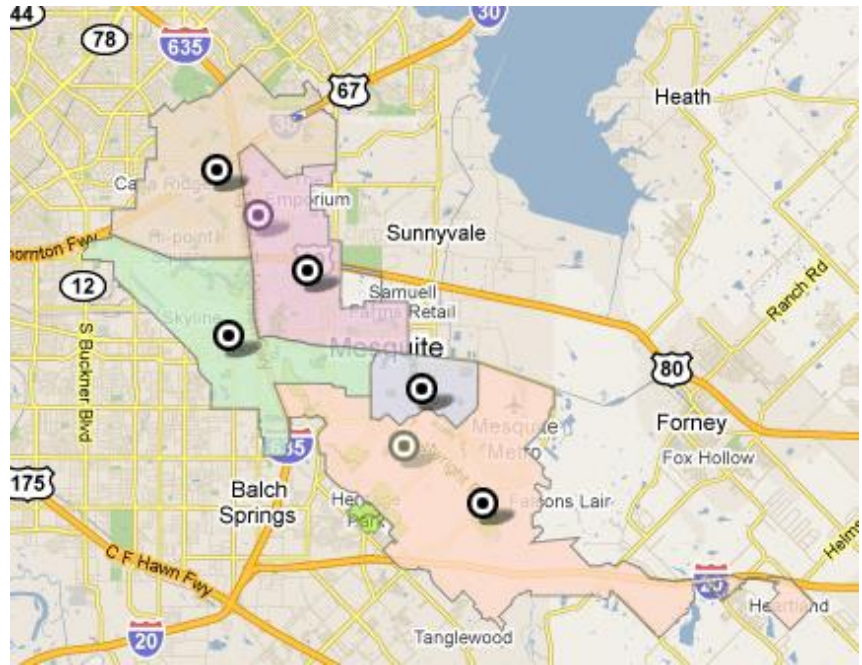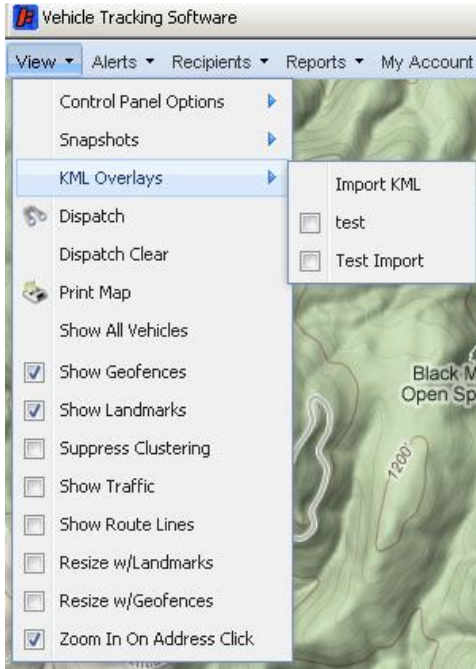
Save Map View (Snapshots) – May 2011

The user can now save the current map view and quickly snap back to the view from any other location on the map. The system will save the last 5 snapshots taken from the mapping page.
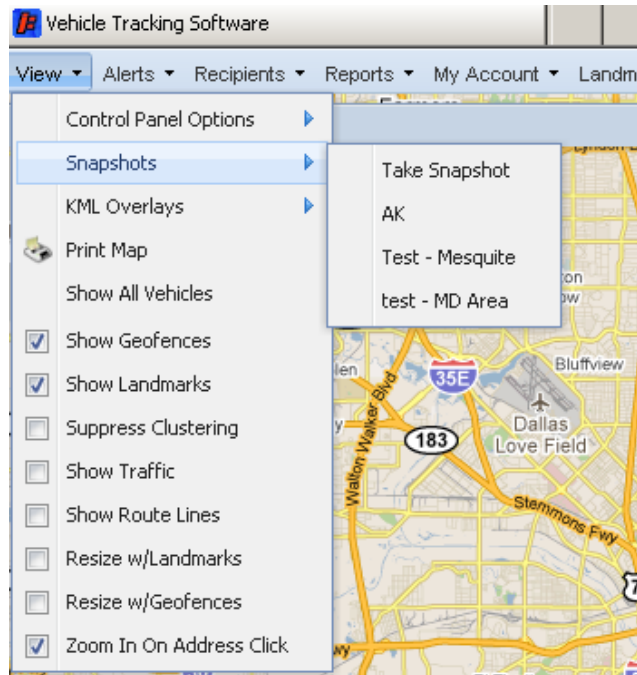
Improved Dispatch Feature – May 2011

Single device accounts now have access to the dispatch feature in the application. The feature has also been streamlined so that users no longer have to enter the target address twice.

SECTION 2

CONTROL PANEL

The Control Panel will display all vehicles that are in the account. The only exception is for accounts with only one vehicle. In these cases by default the Vehicle History Box will display.

The Control Panel will allow the following: Displays Map Label, Serial Number, Status, and Distance (if used with Dispatch). The Control Panel has several icons that allow you to edit your unit, display the vehicle history of your unit, or dispatch a unit.

this icon will display the vehicle history on the map.

VEHICLE HISTORY

The vehicle history box provides the following:

Ability to view the current history of the vehicle travel patterns by date. In addition, there are up to 5 icons that can be accessed using the vehicle history box. They are: Edit Device Information, Locate Vehicle Now, Door Unlock, Starter Enable and Starter Disable.

Edit Device Information - You can edit device information. This includes the map label, vehicle make, vehicle model, year, VIN, driver email, and driver cell. You can also disable tracking.

Unlock Vehicle (Optional) - This icon allows end user to unlock vehicle doors remotely.

Enable Starter (Optional) - This icon allows end user to enable the starter.
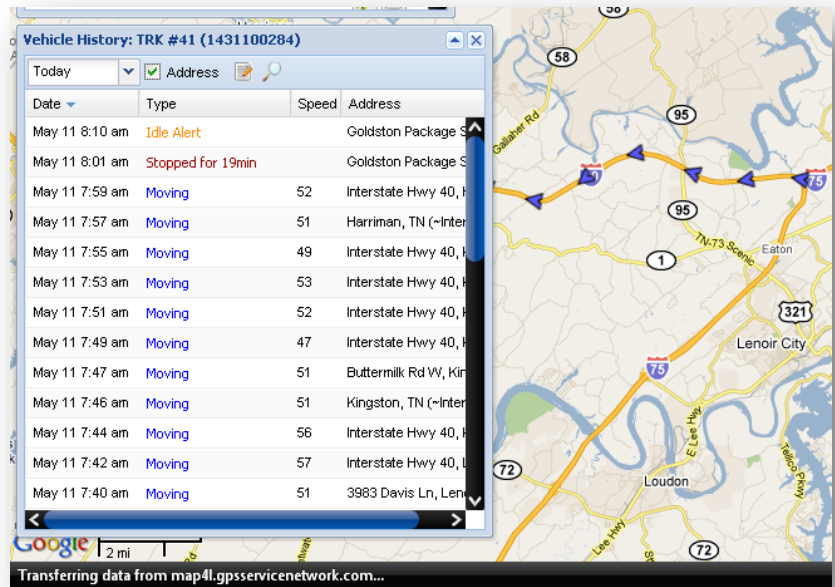
Disable Starter (Optional) - This icon allows end user to disable the starter.

this icon will open the device edit dialog box.

this icon will dispatch a device/vehicle to a particular address.

Map Label - This name can be changed by the end user. The name of the device will display in the Control Panel, and also display on the map.

Serial # - Displays the serial number of the tracking unit.

Status - This will display the most recent location of the vehicle.

Distance - This column will appear with the distance if the "right click" dispatch feature is used. The right click dispatch feature allows you to determine the closest vehicle to any point on the map (as the crow files).

Show Vehicle History Button - this button will open the vehicle history (see next section).

Edit Button - this allows the end user to make modifications to the units; i.e. change map label name, vehicle make/model, etc.

MAP - MAP LEGEND AND MENU	
Ignition On	**S**leep Mode Entered (AT Series only)
Ignition Off	**W**ake Mode Entered (AT Series only)
Stop Greater than 6 minutes	**U**nlock Door
Short Stop, less than 1 minute	**U**nauthorized Movement (AT Series only)
Moving	**D**eceleration Alert (VP400, 1 minute reporting plan only)
Speed Alert	**R**PM Alert (VP400, 1 minute reporting plan only)
Geofence Entry	**A**cceleration Alert (VP400, 1 minute reporting plan only)
Geofence Exit	Input **H**igh
Power Reconnected	Input **L**ow
Auto Locate (Typically every 24 hours.	**I**dle Alert
Locate Now/**R**equested	

Live Traffic Legend, when available.

Map Controls - The map controls are located in the upper right corner of the map screen.

The controls allow you to return to the last map view; pan left, right, up, down, or zoom in and zoom out.

There are also several map buttons and they allow the following:

Map - shows street map view.   **Satellite** - shows satellite imagery.

Hybrid - shows satellite imagery with street names.   **Terrain** - shows topographic view with street names.

Google Street View - provides panoramic views from various positions along many streets in the world.

Click on this icon and drag it to the area that you want to view. The map will turn blue to indicate the areas that are available in Street View.

Right Click on Map

If you right click on the map, there are several options. You can do the following:

- Add Boxfence - can add a Boxfence at the location by using right click on mouse.
- Add Polyfence - can add a Polyfence at the location by using right click on mouse.
- Edit Device <Name> - You can right click a device (tracking unit) and select edit device; this will allow edits to edit device dialog box.
- Add a Landmark - can add a landmark at the location you right click.
- Determine closest vehicle (labeled Dispatch) - can determine the closest vehicle based on the location you right click.
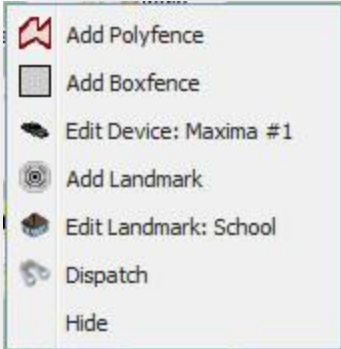
SECTION 3

SOFTWARE MENUS

The vehicle tracking system is managed by using various drop down menus located on the top left corner of the software. The menus and sub menus are explained below.

View Menu

Control Panel Options - Allows you to select which attributes to display in the Control Panel.

Map Label - Display name or label for vehicle. This can be changed by end user.

Serial# - Displays the serial number of the vehicle tracking device.

Status - Displays the most recent location of the vehicle tracking device.

Dispatch - Displays the Dispatch icon in the Control Panel.

Filter Vehicles - This sub menu will allow you to filter by Map Label, Serial Number or Group.

Dispatch - This sub menu allows you to dispatch a vehicle to an address or landmark.

Print Map - Allows end user to print map.

Show All Vehicles - If more than one vehicle is in a single account, when selected this menu will display all vehicles on map.

Show Geofence - If selected, all geofences that were created will display on the map.

Show Landmarks - If selected, all landmarks will be displayed.

Show Traffic - If selected, current (real time) traffic conditions will appear on the map, indicated by green (good flow), yellow (slowing traffic) and red (very slow traffic).

Show route lines - Connects breadcrumb with colored line.

Resize w/Geofence - If selected, all geofences will display on the map.

Resize w/Landmarks - If selected, all landmarks will display on the map.
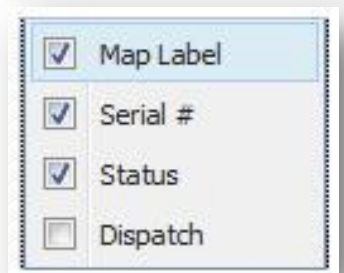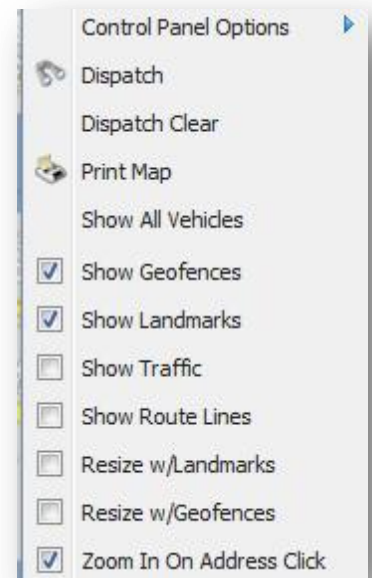
Save Settings - This allows end user to save settings. Settings that can be saved are themes, placement and size of Control Panel, Vehicle History screen, etc.

Alerts Menu

Your Vehicle Tracking system offers several types of alerts. Global Alerts apply to all vehicles in one account, Group Alerts apply to all the vehicles that are associated with that group and Vehicle Alerts apply to a specific vehicle only.

Speed Alert - A device specific Speed Alert will send a message if an over speed event is triggered. Speed Alerts can be set in increments of 5 MPH within a range between 50 and 100 MPH.

Geofence Alert - A Geofence is a virtual boundary. If the vehicle travels outside of the geofence or enters the geofence, you will be notified.

Unauthorized Movement Alert - This is available only with the AT262, AT282-LP and AT282-TT devices. If this is enabled, an alert will be sent when the vehicle exits a pre-determined radius (1 mile for the AT262 and AT282-LP; 3 miles for the AT282-TT). This alert will reset every 30 minutes.

Input Alert - Notification if the input is triggered.

Idle Alerts - Notification if your vehicle(s) idle longer then a specified amount of time.

Odd Hour Alerts - Notification if there has been vehicle movement outside of normal business hours that you set.

Stop Alerts - This alert will be generated if your vehicle(s) stop for longer than the time you specify.

Maintenance Alerts - Notification if your vehicle(s) need maintenance. Example: Oil Change at every 3,000 miles, or Tire Rotation at every 5,000 miles.
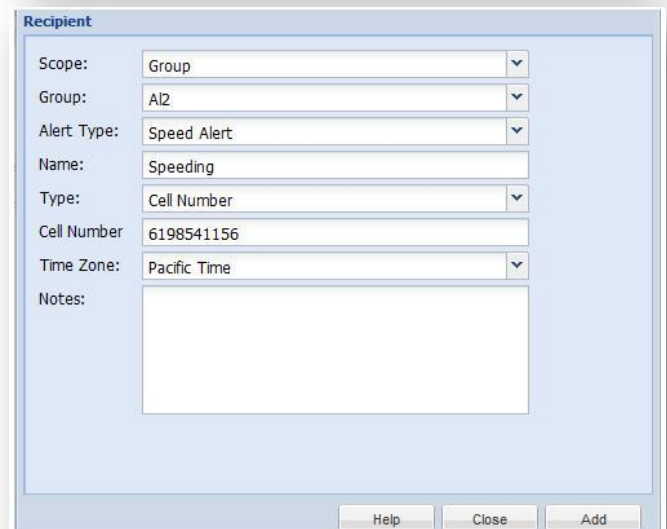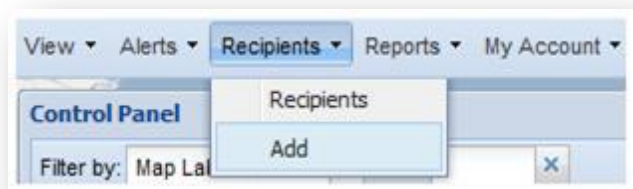
Recipients Menu

The "Recipients" tab allows you to choose who receives alerts and which alerts they receive.

To set the Recipients, go to "**Recipients**" menu and select "**Add**".

You will need to select the Scope (Global, Group, or Vehicle), Alert Type, Name, Type (Email or Cell Phone), and Time Zone. Click "Add".

Global - The recipient will receive all the alerts specified.

Group - The recipient will receive the alerts specified for the vehicles that belong to the group.

Vehicle - The recipient will receive the alerts specified for that vehicle only.

Make sure the **Time Zone** is set correctly based on where the recipient lives.

Alerts can be programmed to specific phone numbers/email addresses.

You can choose individual contacts for specific alerts. In the example below, Bernard will receive "all" alerts for Vehicle:

VP400Bernard, "Speed Alert" only for Vehicle: Vehicle-044, and "all" alerts for Vehicle: (2131002391).

For a list of all Recipients, click "Recipients" from the drop down menu. All information can be viewed, modified, or deleted in the Recipients dialog box.

Report Menu

Get Report Now - This menu will open a dialog box that will allow the end user to create a wide variety of reports.

You can run reports by:

- **Group**
- **Vehicle**

- **Date Range**

You can output reports to:

- **HTML**
- **PDF**
- **CSV (Excel)**

These reports can be accessed direct to your desktop or can be sent to any email address. If you would like to send to an email address just add an email recipient and select the Get Report Now button.

Below are the report types that can be processed:

1. **Daily Details** Shows the stop time, move time, distance, # of stops, # of geofence, # of Input Alerts, # of Speed Alerts of each vehicle by day.
2. **Summary** Shows the stop time, move time, distance, # of stops, # of geofence, # of Input Alerts, # of Speed Alerts of each vehicle for entire report period.
3. **After Hours** Shows all of the movements for each vehicle between the start and end dates and between the hours specified in the report period.
4. **All Geofences** Shows all of the Geofence Alerts that occurred for each vehicle between the start and end date and within the hours specified in report period.
5. **All Input Alerts** Shows all of the Input Alerts that occurred for each vehicle between the start and end date and within the hours specified in report period.
6. **All Speed Alerts** Shows all of the Speed Alerts that occurred for each vehicle between the start and end date and within the hours specified in report period.
7. **All Stops** Shows all of the stops that occurred for each vehicle between the start and end date and within the hours specified in report period.
8. **Landmark** Shows all of the current landmarks for this account with the times each vehicle entered and exited the landmark ordered by date.
9. **Landmarks By Vehicle** Shows when each vehicle entered and exited landmarks.
10. **First/Last Trip By Day** Shows the start and stop times of the first and last trips of each of the days in the start/end date range.
11. **All Trips By Day** Shows the start and stop times of all the trips of each of the days in the start/end date range.
12. **First/Last Location By Day** Shows the first movement and last movement of each vehicle on each day.
13. **Idle Time** Shows the amount of time a vehicle has been idling (ignition on without movement).
14. **State Mileage** Distance each vehicle travels in each state.
15. **Consolidated Trip Report** - This is a summary of all trips and includes trip distance, trip time, idle time, and trip start and stop. In order for this report to work, the ignition wire must be connected.
16. **Location History** Will display vehicle movement events, ignition events, geofence events, stop events, over speed events, etc. Included in the report are time and date stamps for each event, as well as address, lat/long, distance, and heading.

My Account Menu

Modify Account Menu - This menu will display details about the account. With this menu the end user will have the ability to modify the account password, IVR PIN, etc.

Data that can be changed:

- First Name
- Last Name
- Company Phone - Enter cell number or number most often used to access IVR.
- Street

- City
- State
- ZIP
- Country
- Email/Login - This must be an active and current email address
- Password - This must be 6 digits/characters in length
- PIN - This is used to access the IVR system
- Unit - Miles or kilometers
- Language - The system will support Spanish or English language.
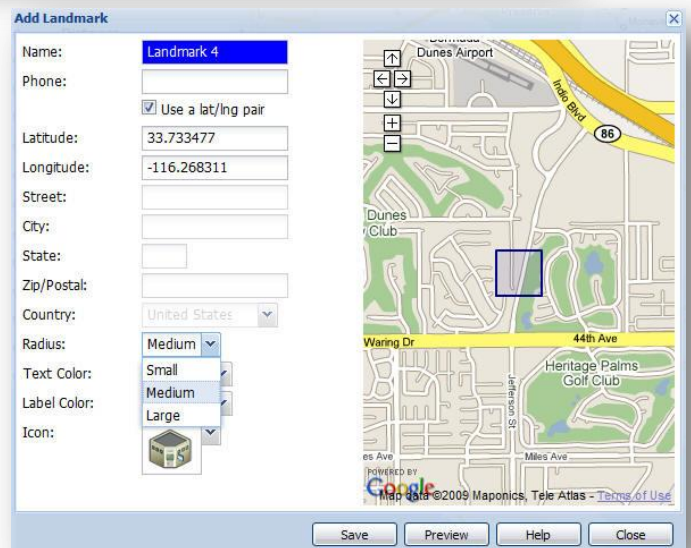
Landmarks Menu

View Landmarks Menu - This menu will allow you to view the landmarks associated with the account.
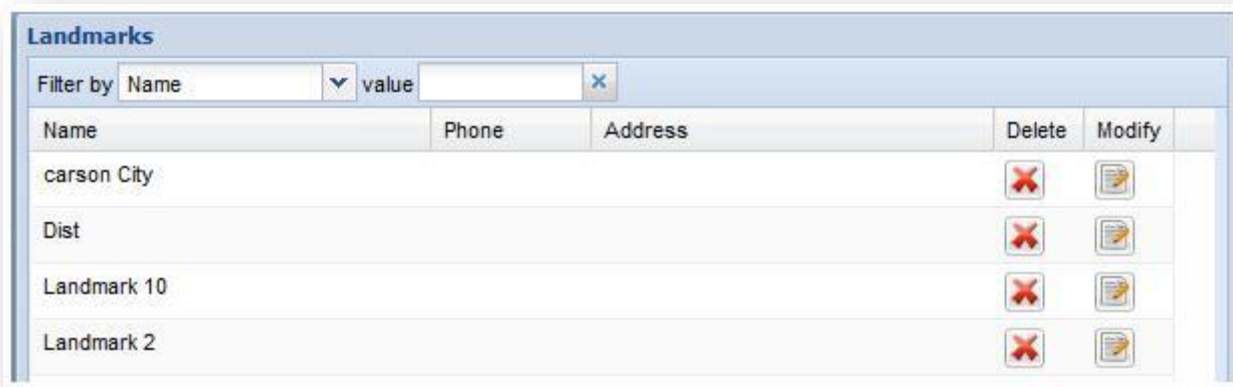
Add Landmarks Menu - This menu will allow you to enter a landmark. A landmark can be entered by either a street address or latitude and longitude.
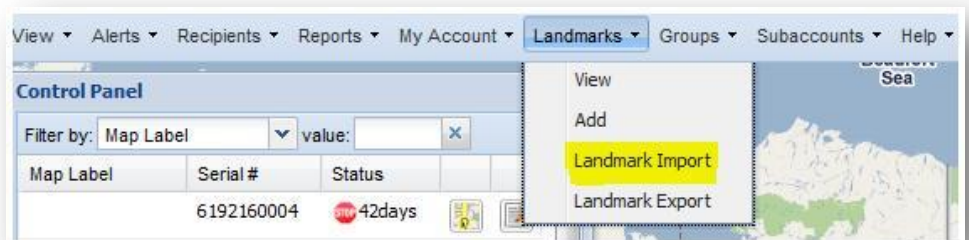
End user has the ability to adjust the radius of the landmarks. When setting a landmark the end user can select a small (250ft, 80m) medium (500ft, 160m)or large (1000ft, 320m) radius.

Import Landmarks

Click on the Landmarks tab and then on Landmark Import from the dropdown list.

Enter the landmark information using the format provided and then click "Import".

You can also copy and paste from an Excel spreadsheet or use the [Landmark Import Template](#) that we have already created. For best results, fill in all tabs. You can, however, exclude phone number and latitude and longitude, as long as you have a physical address.

Landmark Import

1.) Format: name, phone, street, city, state, zip, country, lat, lng, size, icon, text color, label color
2.) Size is 0 for large, 1 = medium, 2 = small
3.) If you specify address values then set lat, lng values to 0 to force address lookup
4.) Use 2 digit country codes and state/province codes. (United States = US, California = CA)
5.) Icon value is a number specifying an image (click here for icon values)
6.) Text color is color of text on map site in RGB hex (white = FFFFFF, black = 000000)
7.) Label color is color of text background on map site in RGB hex (light blue = 0000FF, blue = 000044)

	A	B	C	D	E	F	G	H	I	J	K	L	M
	name	phone	street	city	state	zip	country	lat	lng	size	icon	text color	label color
	24 Hour		Bus Access Rd	San Diego	CA		US	32.87019	-117.212	1	4	FFFFFF	0000FF
	Building 4		Mission Village Dr	San Diego	CA	92123	US	32.79742	-117.125	1	4	FFFFFF	0000FF
	E		5032 Tierra Baja Way	San Diego	CA	92115	US	32.76806	-117.071	1	0	000000	0000FF
	The Office		11120 Roselle St	San Diego	CA	92121	US	32.90499	-117.23	1	3	FFFFFF	0000FF
	W Hastings		602 West Hastings	Vancouver	BC		CA	49.28467	-123.113	1	0	FFFFFF	0000FF
	MCAS						US	32.87274	-117.139	1	0	000000	FFFFFF
	Home Depot	6195555555					US	32.91445	-117.147	1	0	000000	FFFFFF
	Golf Course						US	32.85068	-117.19	2	40	000000	FFFFFF

The size, icon, text color, and label color format is given to you under the Landmark tab dropdown on your account. You can also use the Color Guide below for the text and label color codes. If you use the Landmark Import Template then the text and label color cells have a dropdown with each color code listed.

Color Guide	
Black	000000
White	FFFFFF
Red	FF0000
Green	00FF00
Blue	0000FF
Yellow	FFFF00
Cyan	00FFFF
Magenta	FF00FF

Size is 0 for large, 1 = medium, 2 = small
If you specify address values then set lat, lng values to 0 to force address lookup
Use 2 digit country codes and state/province codes. (United States = US, California = CA)
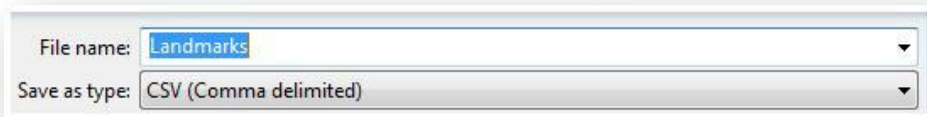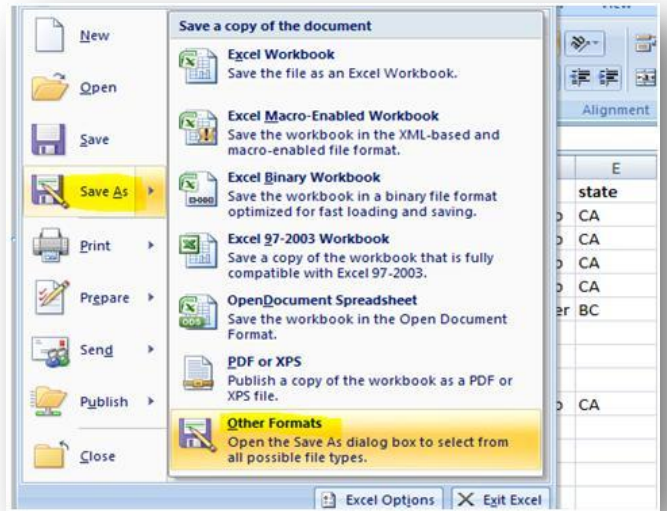Icon value is a number specifying an image (click here for icon values)
Text color is color of text on map site in RGB hex (white = FFFFFF, black = 000000)
Label color is color of text background on map site in RGB hex (light blue = 0000FF, blue = 000044)

Once you have filled in each cell, click File, Save As, Other Formats.

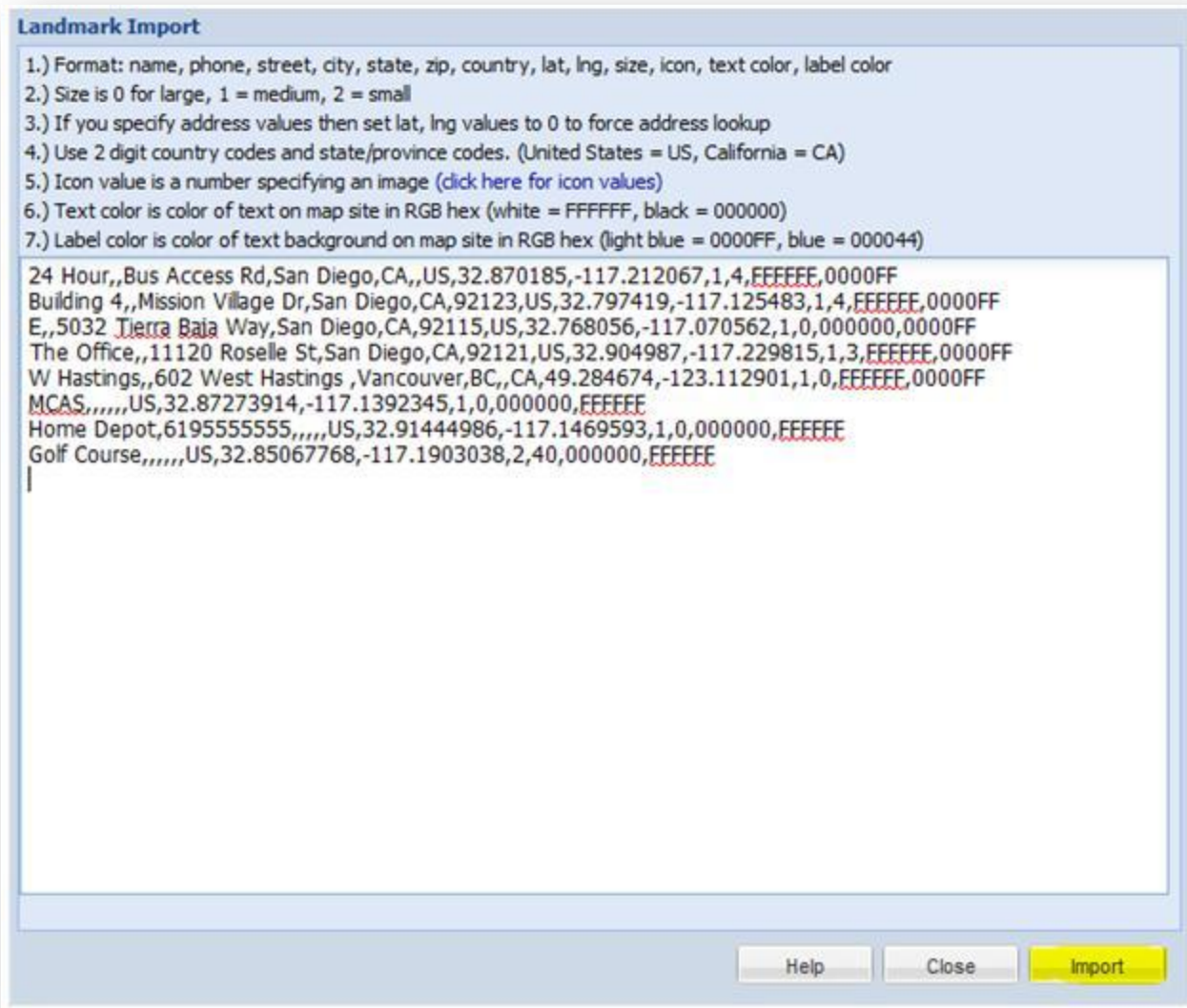Next, fill out File Name then choose CSV from the drop down menu.

After you have the file saved correctly, you will need to open with Notepad. Find the saved file and select. Right click on the selected file and choose "Open With": Notepad.

Once the file is opened with Notepad, you will want to highlight and copy the data.

Make sure you don't copy the format (name, phone number, street, city, state, etc) because that is already a given.
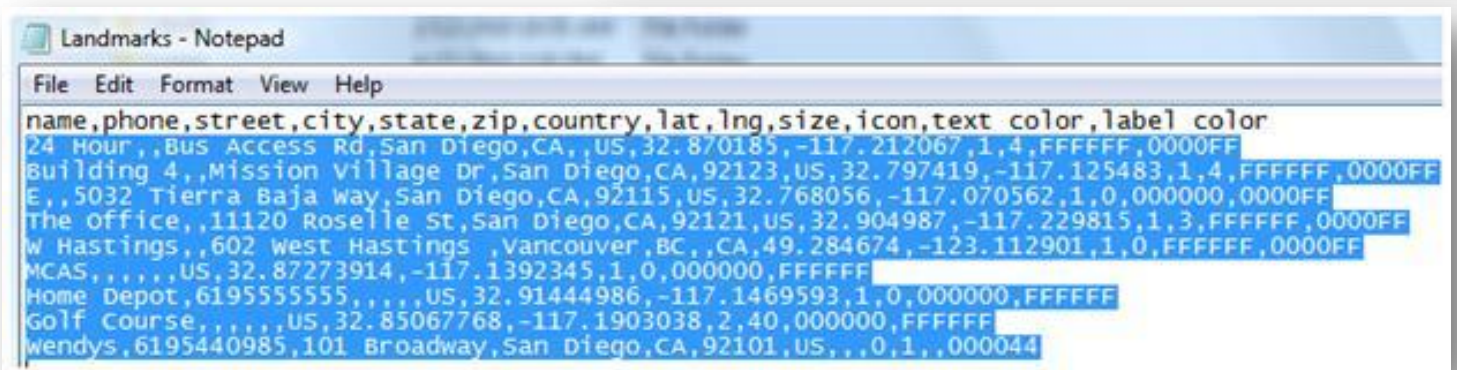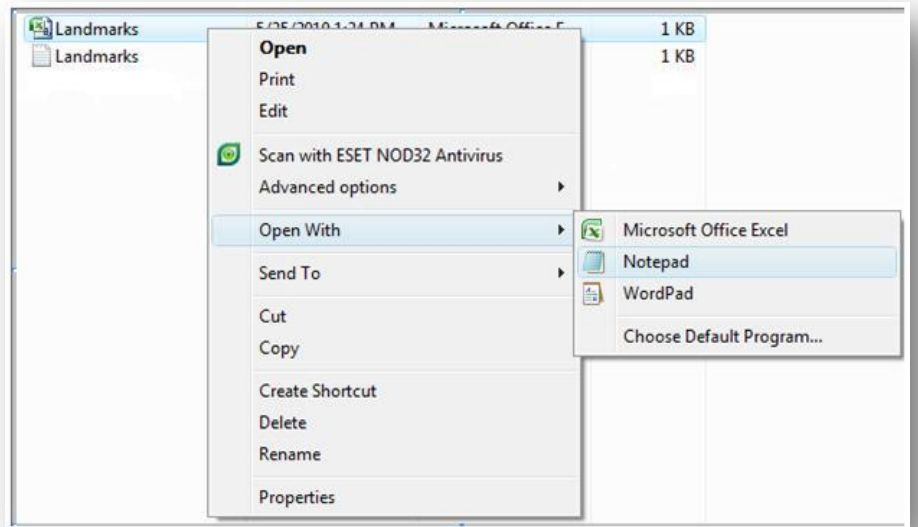
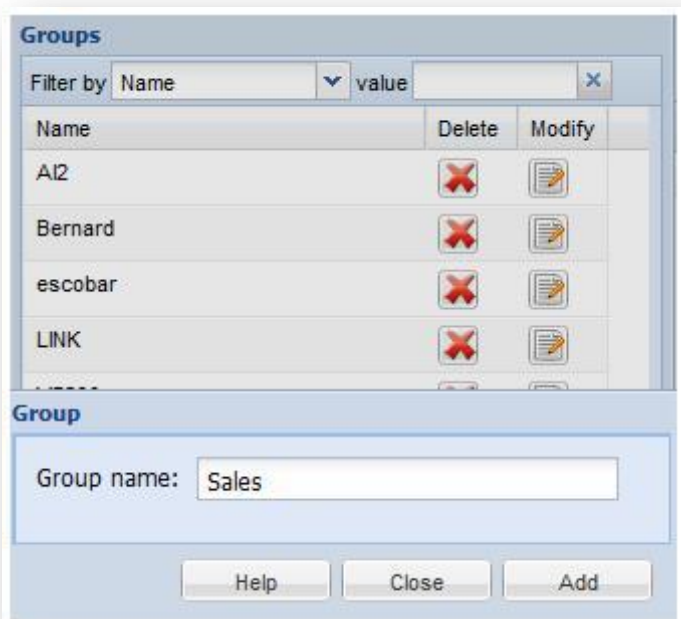Once you copied the information, paste it in your account under Landmark Import. Press Import.

Landmark Import

1.) Format: name, phone, street, city, state, zip, country, lat, lng, size, icon, text color, label color
2.) Size is 0 for large, 1 = medium, 2 = small
3.) If you specify address values then set lat, lng values to 0 to force address lookup
4.) Use 2 digit country codes and state/province codes. (United States = US, California = CA)
5.) Icon value is a number specifying an image (click here for icon values)
6.) Text color is color of text on map site in RGB hex (white = FFFFFF, black = 000000)
7.) Label color is color of text background on map site in RGB hex (light blue = 0000FF, blue = 000044)

```
24 Hour,,Bus Access Rd,San Diego,CA,,US,32.870185,-117.212067,1,4,FFFFFF,0000FF
Building 4,,Mission Village Dr,San Diego,CA,92123,US,32.797419,-117.125483,1,4,FFFFFF,0000FF
E,,5032 Tierra Baja Way,San Diego,CA,92115,US,32.768056,-117.070562,1,0,000000,0000FF
The Office,,11120 Roselle St,San Diego,CA,92121,US,32.904987,-117.229815,1,3,FFFFFF,0000FF
W Hastings,,602 West Hastings ,Vancouver,BC,,CA,49.284674,-123.112901,1,0,FFFFFF,0000FF
MCAS,,,,,,US,32.87273914,-117.1392345,1,0,000000,FFFFFF
Home Depot,6195555555,,,,,US,32.91444986,-117.1469593,1,0,000000,FFFFFF
Golf Course,,,,,,US,32.85067768,-117.1903038,2,40,000000,FFFFFF
|
```

| Help | Close | Import |

Groups Menu

View Groups Menu -This menu will allow you to view the groups that have been created in your account.

Add a New Group - This menu will allow you to add a new group name.

Move Vehicles to a Group - This menu will allow you to have the same vehicle(s) belonging to multiple groups.

Groups

| Filter by | Name | ∨ | value | | ✕ |

Name	Delete	Modify
AI2	✖	📝
Bernard	✖	📝
escobar	✖	📝
LINK	✖	📝

Group

Group name: | Sales |

| Help | Close | Add |

Click on "Associate Vehicles with Groups" from the Groups drop down menu to move vehicles into a Group.
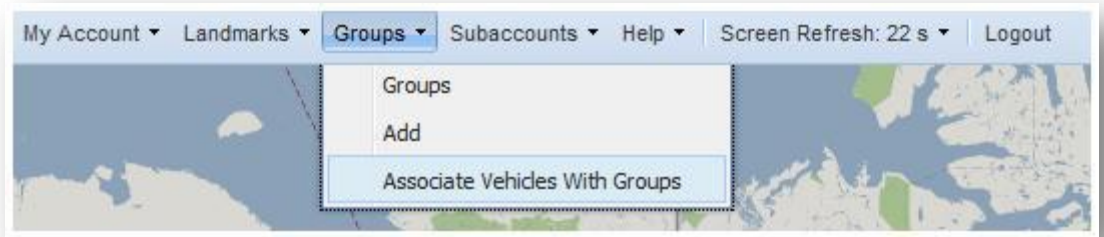
Next, you can choose a vehicle and have it pertain to multiple groups. For example, Vehicle PNP-Jennifer can be in both Group Bernard and Group Sales.

Subaccounts Menu

View Subaccounts - This menu will allow you to view subaccounts that have been created.

Add Subaccounts - This menu will allow you to create a subaccount.

You can create a subaccount with full permissions or with limited permissions. If you create an account with full permissions the following features will be available to the account:

- View Menu - Full functionality.
- Alerts - Full functionality.
- Reports - Full functionality.
- My Account - Full functionality.
- Landmarks - Full functionality.
- Themes -Full functionality
- Help - Full functionality
- Refresh - Refresh is set to 60 seconds.

The Groups and Subaccounts menus are not available with full permissions.

If you create a sub account without full permissions, the following features will be available:

- View Menu - Full functionality.
- My Account - Full functionality.
- Themes -Full functionality.
- Help - Full functionality.
- Refresh - Refresh is set to 60 seconds.

The Alerts, Reports, Groups, Landmarks, and Subaccount menus are not available.

Themes Menu

Themes - the end user has the ability to modify the menu colors. There are six color options and once selected, the theme can be saved by going to the view menu and selecting save settings.

Refresh Menu

Refresh - the software will refresh every 60 seconds by default. You can change the refresh to 15 seconds or 30 seconds.

Logout

Logout - this menu is used to logout of the software.

SECTION 4

Quick Reference – "How to Guide"

How to Create a Polyfence

Polyfence - The polygon geofence can be added by finding the location on the map that you want to add a Polyfence around, right clicking on the map then selecting Add Polyfence.

The Polyfence dialog box will appear with the area highlighted and
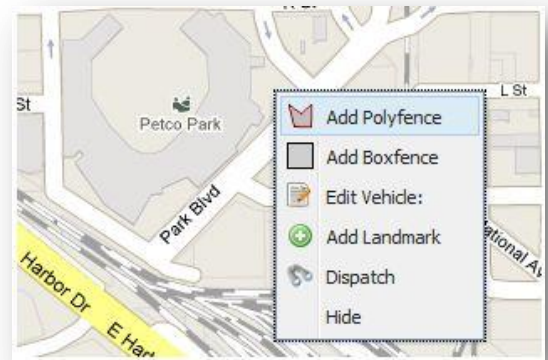
ordered by balloons (or vertexes).

At this point, you may select the scope, name the polyfence, change the color, the line width and fill density.

From the map in the dialog box, you are able to click on any vertex and drag it to resize and reshape the polyfence. There is a "+" and "-" button to enable you to

zoom in or out of the selected area.

If you need to add additional vertexes, you can do so by left clicking your mouse on the necessary area on the map. When you are satisfied with the Polyfence, press Save.
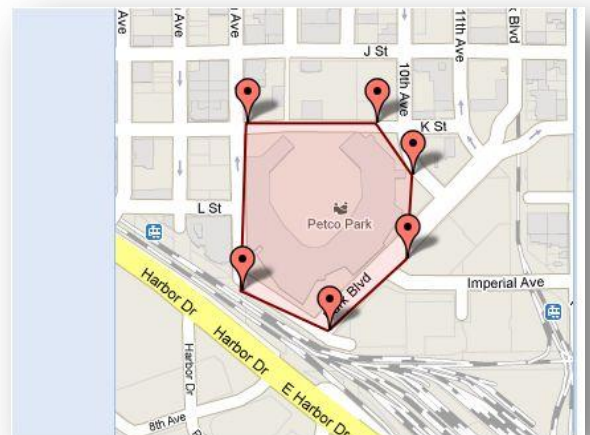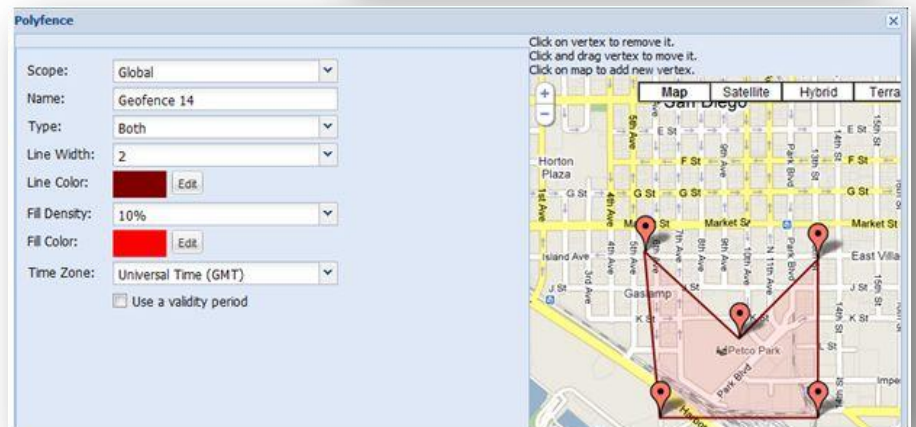
How to create a Boxfence

A Boxfence is created by selecting the position on the map and then right clicking. When you right click, the Boxfence option will appear on the mapping screen (see below).

Add Boxfence

Once the Boxfence has been selected, the dialog box below will display. At this point, you can set the radius of the Boxfence or if you have an address you can enter it. Select the Preview button and the new location of the Boxfence will appear.

How to set an Idle Alert

Idle Alert - The Idle Alert is a hardware based alert. The ignition wire must be installed for this feature to work. When enabled, alerts can be sent at 10, 20, 30, 40, 50, 60 or every 10 minutes. The alert will only display in the Vehicle History and will not display within the Control Panel. In the example below, the Idle Alert is set to report once upon the first 10 minutes of idling.
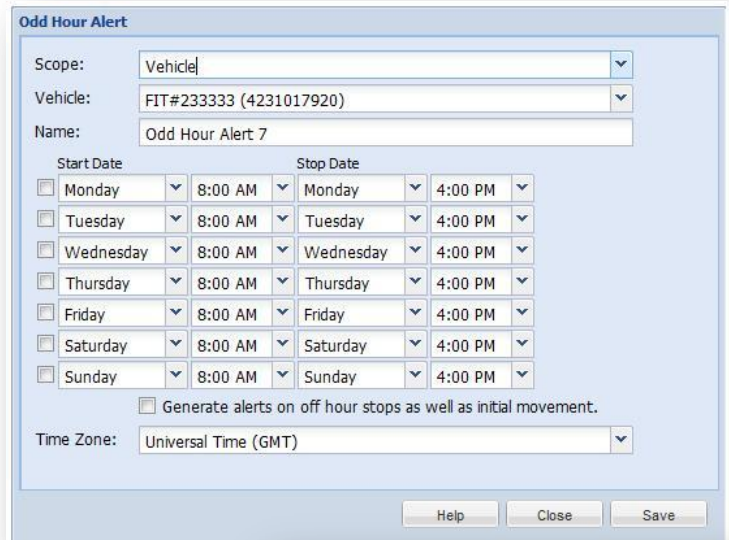
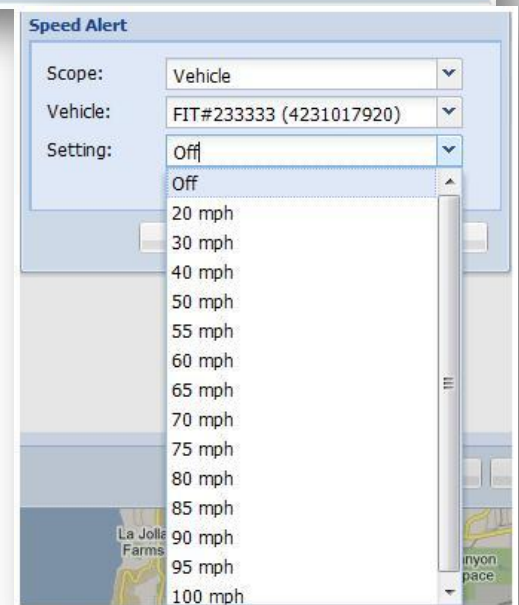**How to set Odd Hour Alerts**

Odd Hour Alerts - An Odd Hour Alert will generate on the first movement during the time period selected. In addition, you can select to generate an alert upon a long stop during the time period selected. The time periods can be selected for each day, by hour and by day of week.

How to set and use a Speed Alert

Speed Alert - A Speed Alert can be set at 5 mile intervals starting at 50 MPH and ending at 100 MPH. Speed Alerts can be set globally (all tracking units in a single account) by a specific vehicle or specific to a Group.
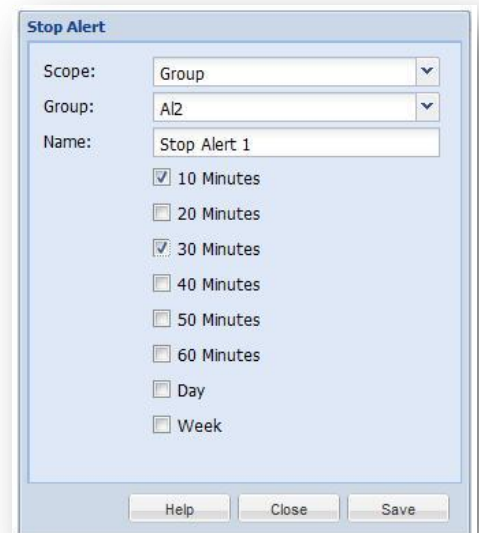
How to set and use a Stop Time Duration Alert

Stop Duration Alert - the Stop Duration can be enabled to alert at 10, 20, 30, 40, 50, 60, 1 day or 1 week. The alert will only display in the vehicle history and will not display within the Control Panel. In the Control Panel, if the vehicle is stopped the end user will see a stop sign and there will be a time counter next to the stop sign that indicates the time the vehicle has been stopped.

Please Note: there are global and vehicle specific Stop Duration Alerts. If you set them both, you can expect to receive two alerts.

In the example below, the alerts are enabled to send at 10 minutes when idling and at 30 minutes.
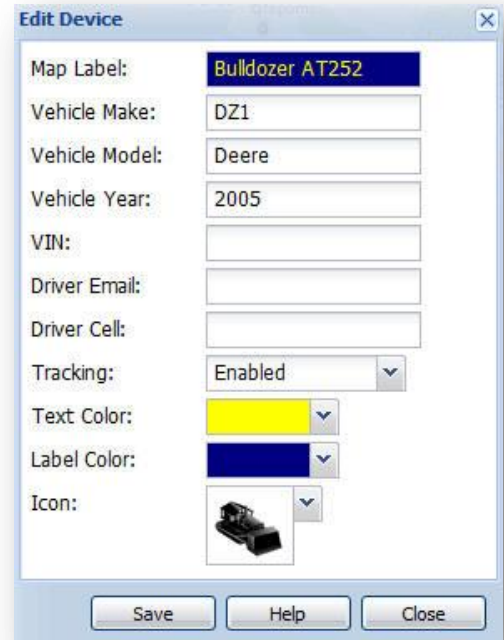
OTHER FEATURES

Account Info Dialog Box

This allows the end user to make modification to the units; i.e., change map label name, vehicle make/model, etc.

Map Label: This is used to display the label on the map. The text color of the label or the background color may also be changed.

Tracking - By default this will be set as enabled. If you select disabled, your vehicle will not track.

Edit Device

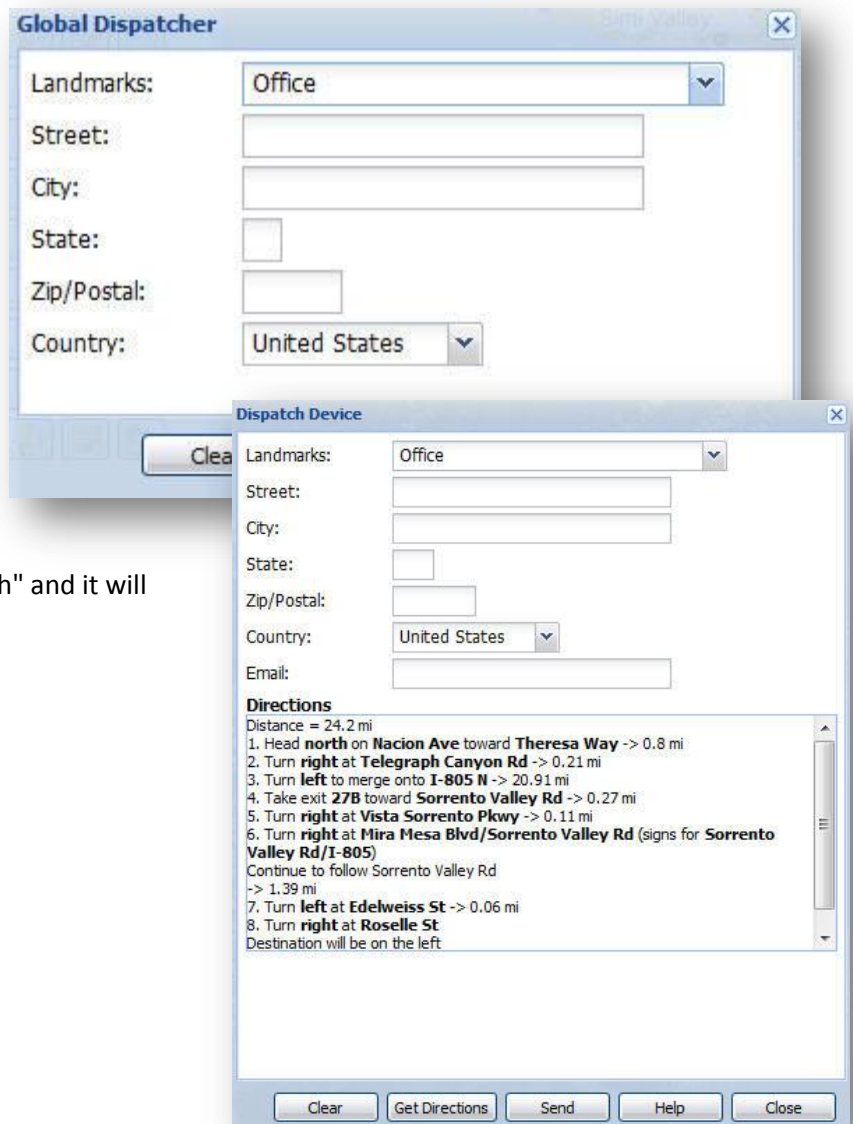| Map Label: | Bulldozer AT252 |
Vehicle Make:	DZ1
Vehicle Model:	Deere
Vehicle Year:	2005
VIN:	
Driver Email:	
Driver Cell:	
Tracking:	Enabled
Text Color:	
Label Color:	
Icon:	

Save   Help   Close

How to use Global Dispatch

The Global Dispatch will allow you to determine the closest vehicle. You can use the Global Dispatch to determine the closest landmark or address. Once the software has determined the distance, it will provide the distance in the Control Panel. You can clear the distance by opening up the dialog box and then pressing the clear button.

Hint: a shortcut to determine the closest vehicle can be used by right clicking the location on the map. If you right click, a small pop up box will display and you can select "Dispatch" and it will determine the closest vehicle.

Global Dispatcher

Landmarks:	Office
Street:	
City:	
State:	
Zip/Postal:	
Country:	United States

Clear

Dispatch Device

Landmarks:	Office
Street:	
City:	
State:	
Zip/Postal:	
Country:	United States
Email:	

Directions
Distance = 24.2 mi
1. Head **north** on **Nacion Ave** toward **Theresa Way** -> 0.8 mi
2. Turn **right** at **Telegraph Canyon Rd** -> 0.21 mi
3. Turn **left** to merge onto **I-805 N** -> 20.91 mi
4. Take exit **27B** toward **Sorrento Valley Rd** -> 0.27 mi
5. Turn **right** at **Vista Sorrento Pkwy** -> 0.11 mi
6. Turn **right** at **Mira Mesa Blvd/Sorrento Valley Rd** (signs for **Sorrento Valley Rd/I-805**)
Continue to follow Sorrento Valley Rd
-> 1.39 mi
7. Turn **left** at **Edelweiss St** -> 0.06 mi
8. Turn **right** at **Roselle St**
Destination will be on the left

Clear   Get Directions   Send   Help   Close

How to use Dispatch

The Dispatch will allow you to route a vehicle to a location. You can use Dispatch to route to a landmark or address. To access the Dispatch feature you can select the icon in the Control Panel.

You have two options to dispatch: You can dispatch to a Landmark or you can type in the location address. You may select the "Get Directions" button and the directions will appear in the direction box. The directions can be sent to an email address. This can be done by entering an email in the dialog box and then selecting the send button. In addition, the route will appear on the map and it can be cleared by selecting the "clear" button.
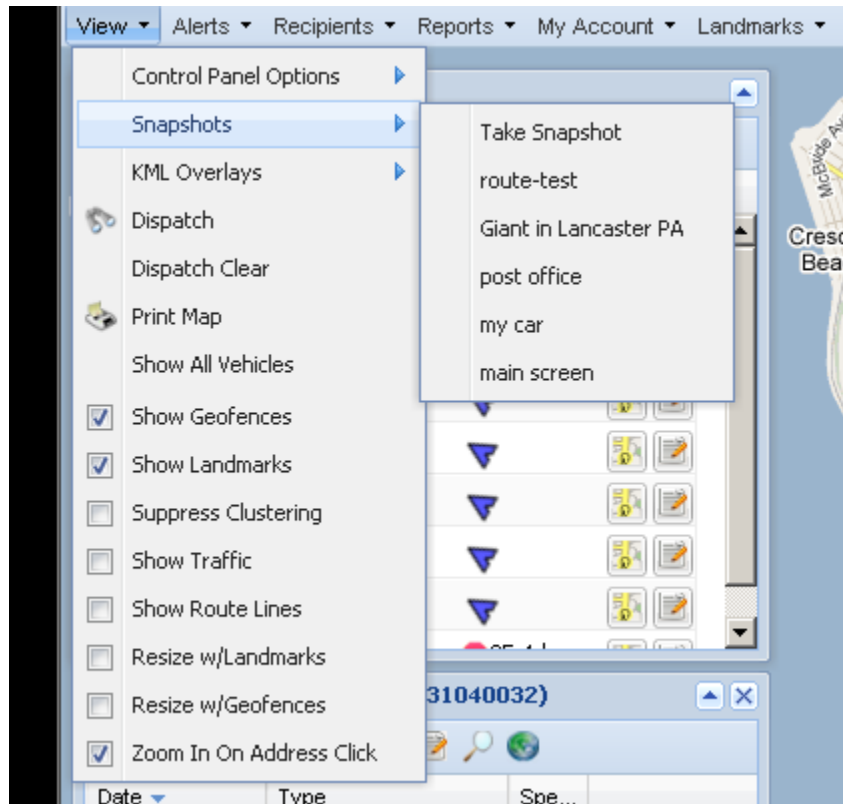
Example of route:
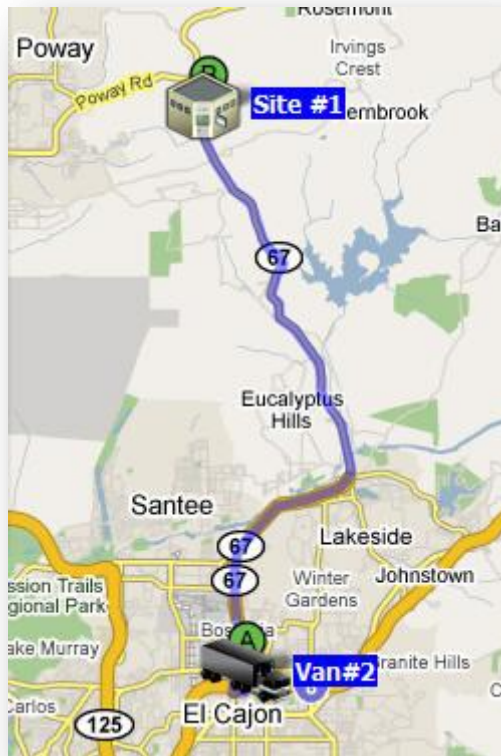
How to use Snapshot

The Snapshot feature allows users to save specific map views and quickly refer back to the saved view by selecting the snapshot from the snapshots drop down menu.

To take a snapshot, simply click the 'Take Snapshot' button under the 'View' drop down menu.

The application saves the last five (5) snapshots taken from this menu. If more than 5 snapshots are taken, the oldest file will be dropped from the menu and will no longer be accessable.

To view a snapshot, click on the snapshot name in the 'View' – 'Snapshots' drop down menu. This will snap the mapping app to the saved view regardless of where vehicles in the account are located.

How to use KML File Overlays

KML files are overlay files that can be imported to provide custom data and mapping views on the mapping application. KML files are easily created in Google Earth and are easily imported into the mapping application.
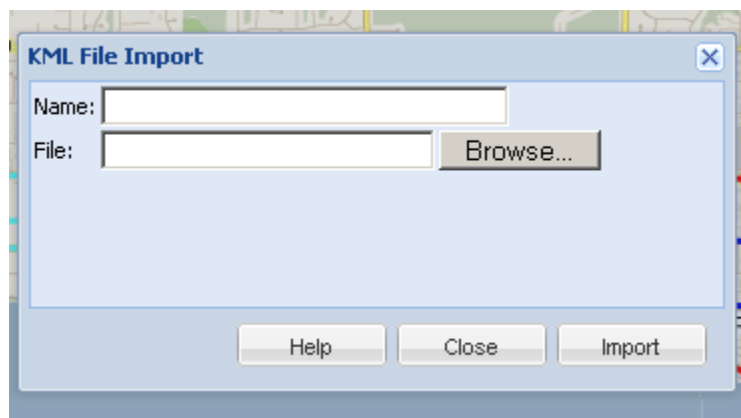
There are many KML files available online, to create your own KML file, reference this link:

http://code.google.com/apis/kml/documentation/kml_tut.html

To import a KML file, click the 'Import KML' button under 'View' – 'KML Overlays'
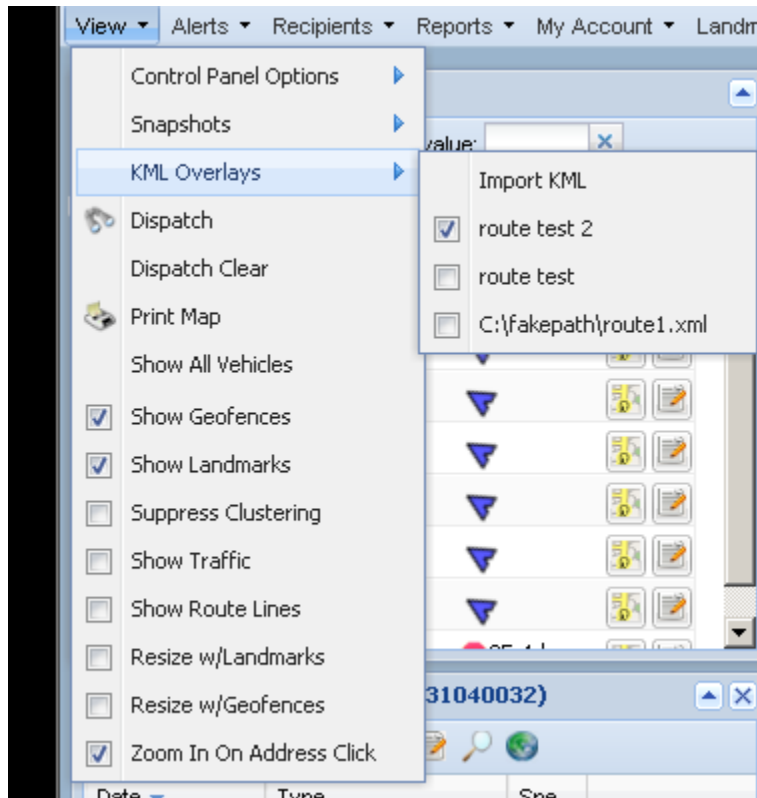
When the inport option is selected a dialog box will appear, enter the KML label and the select the file from your machine.

The application saves the last five (5) file imports. If more than 5 files are imported, the oldest file will drop off the list and no longer be available on the mapping application.

Once the import is finished, you can select an overlay from the 'View' – 'KML Overlay' drop down menu.

When a file is selected, the overlay is posted to the mapping application and the map view centers on the area where the KML file is active.

In this sample, pre-determined routes were imported via KML file and will assist the customer with route management as the vehicles breadcrumb trail will appear 'over' the imported route lines.