



**Uplink GPS Vehicle
Tracking User Guide**

UM1086

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Introduction

Uplink GPS provides a complete vehicle tracking solution for many different industries including construction, education, transportation, oil and gas and others. Alerts and notifications are sent from the mobile device within the vehicle, through the Numerex FAST v.2.0 network, to a web interface that displays various statistics and readings for the vehicle.

Many individuals use Uplink GPS devices for personal tracking purposes. Uplink GPS can help give parents peace of mind when their teenagers start driving. In addition to locating a teen's car, parents can also be notified of speed thresholds and when a zone is entered or exited.

Abbreviations and Definitions

Abbreviation	Definition
GPS	Global Positioning System
Mobile Push Notification	SMS or Text Message
Placemark	Indicators on the map of different locations that the user wants to make note of.
Reading	Message that is sent from the device to the application.
Zone	Geographical boundaries created for each device.

Scope

This guide is designed to provide instructions on using Uplink GPS.

Logging In

To log into Uplink GPS, navigate to the following URL:

<https://uplinkgps-prod-ap1.numerexfast.com>

You will see the following login prompt:

The image shows the login page for Uplink GPS. At the top, the text "uplink GPS" is displayed in a large, white, sans-serif font against a background of concentric circles. Below this, the word "Login" is centered. There are two input fields: "Email" and "Password". To the right of the "Password" field is a black button with the text "Sign In" in white. Below the "Email" field is a checkbox labeled "Remember me". To the right of the "Password" field is a link that says "Forgot your password?" in blue text.

Figure 1 – Login Page

To log-in, enter the login id and password that was provided by your system administrator. The login id will typically be your e-mail address. Click the **Sign In** button to continue.

If you have forgotten your password, click the **Forgot Your Password?** button. You will see the following screen:

The image shows the screen for entering an email address to retrieve a password. At the top, the text "uplink GPS" is displayed in a large, white, sans-serif font against a background of concentric circles. Below this, there is a single input field labeled "Email". To the right of the "Email" field is a black button with the text "Send" in white.

Figure 2 – Enter E-mail to Retrieve Password

Enter the e-mail address that you registered with Uplink GPS and click the **Send** button. You will receive an e-mail with instructions on how to reset your password.

User Interface and Application Navigation

The user interface is a web application that may be accessed via most popular internet browsers. The landing page for Uplink GPS is an overview of devices and the associated statuses for the current customer.

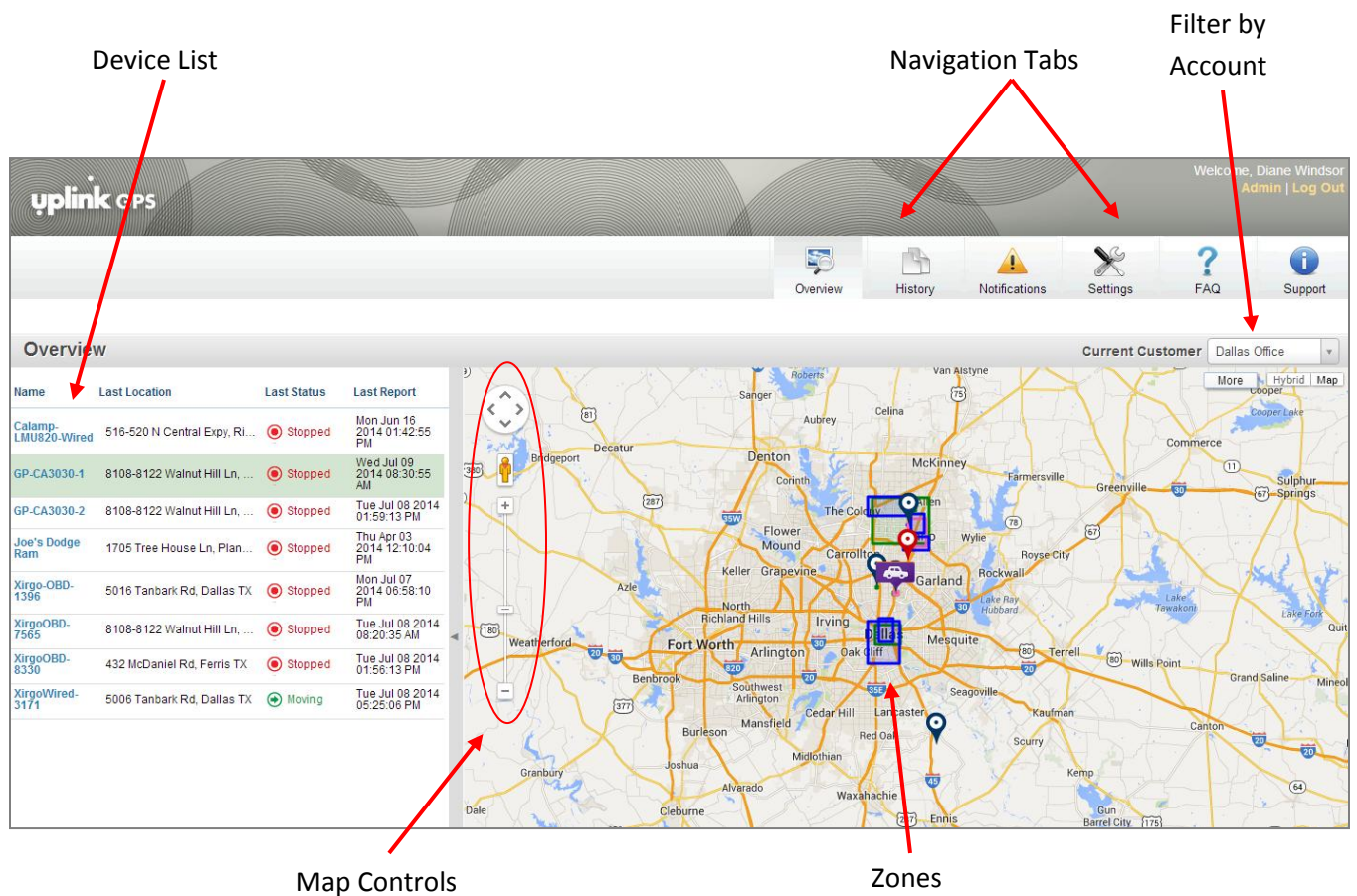


Figure 3 – Uplink GPS Overview

Zones are indicated on the map by square or rectangular shapes. Zones, also known as geofences, are geographical boundaries created for each device. Alerts are sent via e-mail or text message when a vehicle enters, exits, or remains within a configured zone.

Overview Page

The Overview Page shows the list of all tracking devices that are associated with a particular customer. To select a new customer, make a selection from the **Current Customer** dropdown menu:

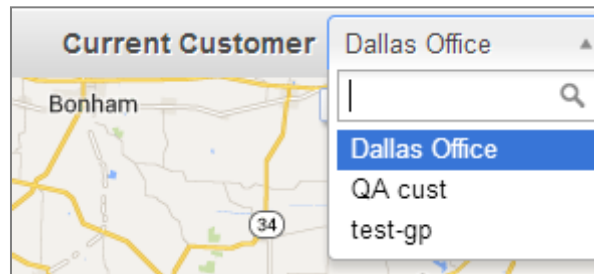


Figure 4 – Current Customer Menu

Device details can be viewed by clicking on one of the devices on the left side of the screen.

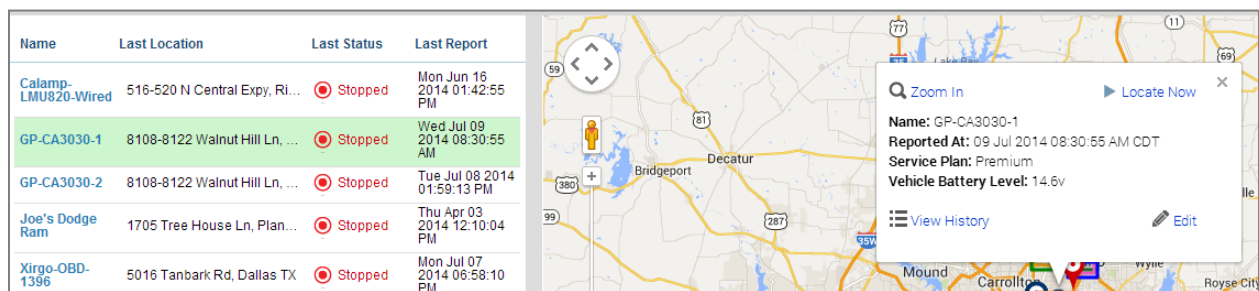


Figure 5 – Device Details for GP-CA3030-1

Device details display the following information:

- Zoom In – Zoom into the device location
- Locate Now – Locate the device immediately
- Name – Device name
- Last Reported – Date and time of last location report
- Service Plan – Displays the service plan associated with the device
- Vehicle Battery Level – Displays the current level of the vehicle battery
- View History – Link to display the tracking device history
- Edit – Link to edit the tracking device

Note: You may see a red exclamation point if the device cannot be located. This may occur if the device has been removed from the car, or is in a location (such as a parking garage) where GPS coverage is not available.

Zones are indicated on the map by rectangular shapes that are determined by the user. Vehicles are indicated by various icons that are selected by the user.

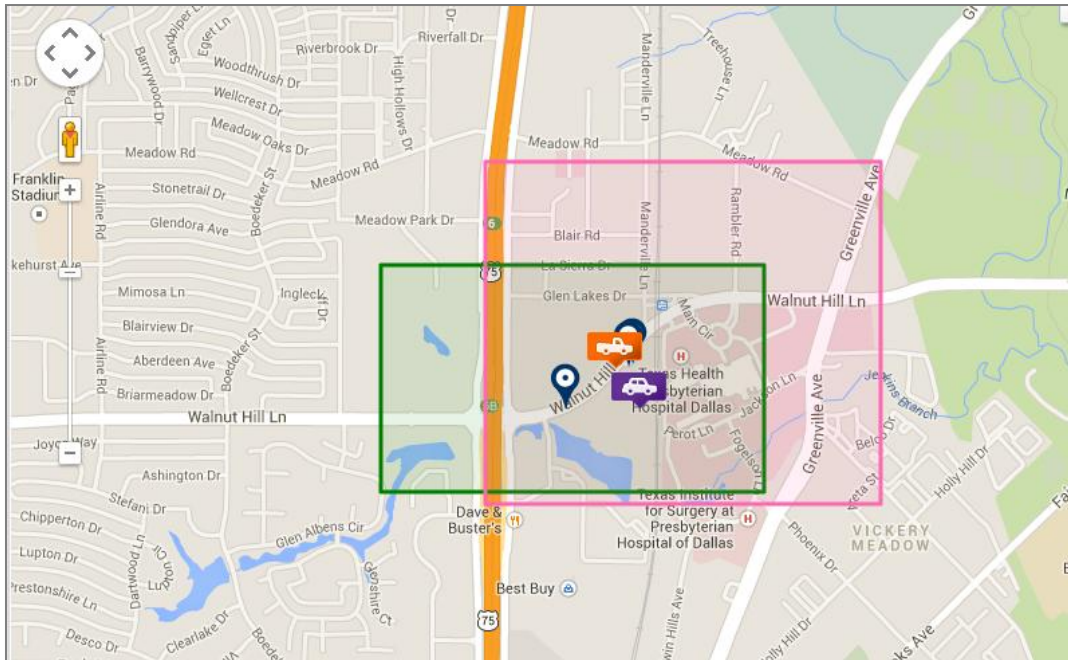


Figure 6 – Zones and Vehicle Tracking Devices

Click on the **More** button to view Zones, Traffic Information and Placemarks. Placemarks are simply indicators on the map of different locations that the user wants to make note of. When the Traffic box is checked, the user will see a real-time view of current traffic.

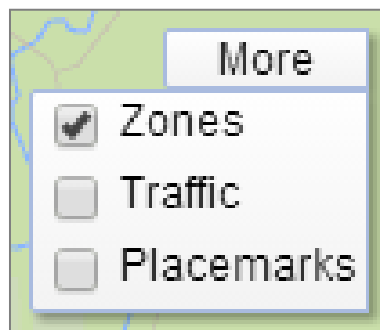


Figure 7 – View Zones, Traffic and Placemarks

History Page

The History Page displays location history for vehicle tracking devices. To view the history of a specific device, first select it from the dropdown list. Then, select the date range of the readings you would like to see.

Note: The history page will display a maximum date range of thirty days. This can be any thirty days, for example, from May 3 to June 3.

For: From To:

Figure 8 – Select Device and Date Range

Once you have selected the device and date range, click the **Go** button. You will see a screen similar to the following:

The screenshot displays the Uplink History Page interface. At the top, there are navigation tabs: "All Readings", "Speed Alerts", "Zone Alerts", and "Device Battery Alerts". Below these, the search criteria are set to "For: XirgoOBD-7565", "From: 2014-06-26 00:00", and "To: 2014-07-10 23:59". A "Go" button is visible. The current customer is identified as "Dallas Office".

Location	Speed	Event Type	When (CDT)
8108-8122 Walnut Hill Ln, ...	0	Engine Off, entered 7565-o	08 Jul 2014 08:20:35 AM
8007 Walnut Hill Ln, Dalla...	17	Entered 7565-O	08 Jul 2014 08:18:08 AM
8007 Walnut Hill Ln, Dalla...	0	Engine On	08 Jul 2014 08:17:57 AM
8007 Walnut Hill Ln, Dalla...	0	Engine Off, exited 7565-home	08 Jul 2014 08:17:00 AM
US-75, Dallas TX	55	Exited 7565-O	08 Jul 2014 08:16:28 AM
US-75, Dallas TX	58	Speed, entered 7565-o	08 Jul 2014 08:16:18 AM
Alma Dr, Plano TX	43	Exited 7565-home	08 Jul 2014 07:54:13 AM
7929 Alma Dr, Plano TX	0	Engine On, within 7565-home	08 Jul 2014 07:53:35 AM
7929 Alma Dr, Plano TX	0	Engine Off, entered 7565-home	08 Jul 2014 07:53:11 AM
2015 Knights Ct, Allen TX	0	Engine On	08 Jul 2014 07:47:24 AM
Unknown	0	No GPS	08 Jul 2014 07:36:49 AM
2015 Knights Ct, Allen TX	0	Heartbeat	08 Jul 2014 07:36:45 AM
2015 Knights Ct, Allen TX	0	Engine Off	08 Jul 2014 06:51:36 AM
2015-2049 Needham Dr, A...	18	Exited 7565-home	08 Jul 2014 06:49:40 AM
2015-2049 Needham Dr, A...	4	Entered 7565-home	08 Jul 2014 06:47:38 AM
2015 Knights Ct, Allen TX	0	Engine On	08 Jul 2014 06:45:52 AM

Below the table is a pagination control showing "7 2 3 ... 20 Next". To the right of the table is a map of the Dallas area with several colored boxes (blue, green, red) highlighting specific locations. The map includes labels for various cities and highways, such as Lewisville, Carrollton, Farmers Branch, Richardson, Garland, and Mesquite.

Figure 9 – Select Device and Date Range

The map displays the zones that are configured for the device. The left side of the screen displays the readings and reports send from the tracking device. The details are shown in the image below:

Location	Speed	Event Type	When (CDT)
8108-8122 Walnut Hill Ln, ...	0	Engine Off, entered 7565-o	08 Jul 2014 08:20:35 AM
8007 Walnut Hill Ln, Dalla...	17	Entered 7565-O	08 Jul 2014 08:18:08 AM
8007 Walnut Hill Ln, Dalla...	0	Engine On	08 Jul 2014 08:17:57 AM
8007 Walnut Hill Ln, Dalla...	0	Engine Off, exited 7565-home	08 Jul 2014 08:17:00 AM
US-75, Dallas TX	55	Exited 7565-O	08 Jul 2014 08:16:28 AM
US-75, Dallas TX	58	Speed, entered 7565-o	08 Jul 2014 08:16:18 AM

Figure 10 – Readings from Tracking Device

Click on any of the readings to view the details:

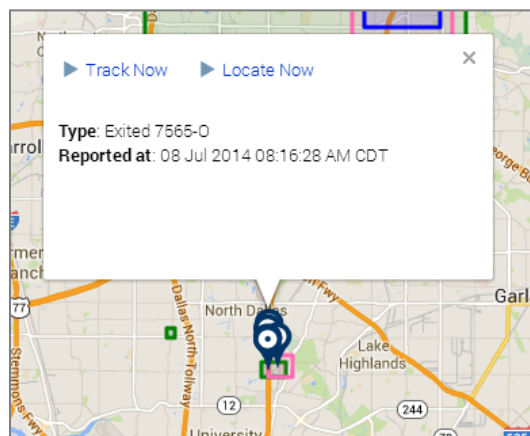


Figure 11 – Detailed Reading

Click **Track Now** or **Locate Now** to track or locate the device immediately.

The following menu allows you to view All Readings or specific readings:

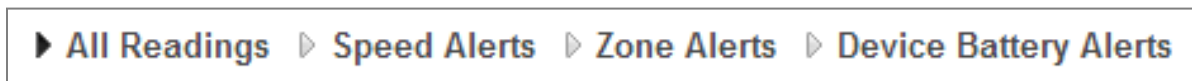


Figure 12 – View Specific Alerts

Click on the alerts that you'd like to view. For example, the following image displays speed alerts:

Location	Speed	Event Type	When (CDT)
US-75, Dallas TX	58	Speed, entered 7565-o	08 Jul 2014 08:16:18 AM
N Central Expy, Dallas TX	64	Speed	07 Jul 2014 08:30:02 AM
US-75, Richardson TX	71	Speed	07 Jul 2014 08:25:02 AM
PGBT, Garland TX	73	Speed	06 Jul 2014 10:19:26 PM
E Brand Rd, Garland TX	69	Speed	06 Jul 2014 04:51:23 PM
President George Bush T...	64	Speed	06 Jul 2014 04:46:23 PM
US-75, Plano TX	60	Speed	04 Jul 2014 10:19:59 PM

Figure 13 – Speed Alerts

You can have the readings and alerts that are currently displayed on the screen e-mailed to you as a report in either PDF, XLS or CSV format. Click the **E-mail Report** link and select the desired format:

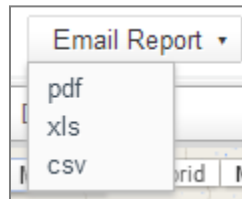


Figure 14 – E-mail Report

Notifications Page

The **Notifications Page** allows users to manage notification settings and displays notification history for tracking devices. The screen will be similar to the following:

► Manage Notification Settings ► Notifications History

Manage Your Alert Notification Settings Current Customer Dallas Office ▼

- You can configure the system to send email messages and record history upon the events listed below.
- The notification will include the location and time of the event.
- Click on an underlined item below to set up a notification.
- Notifications are sent to a maximum of three email addresses. This can include text message notifications and/or email notifications.

GPS Name	Service Plan	Zone Alerts	Speed Alert	Low Battery Alert	Ignition Alerts	Plug-In Alerts
Calamp-LMU620-Wired	Premium	3	Disabled	Enabled	Disabled	Enabled
GP-CA3030-1 - Diane	Premium	3	Disabled	Enabled	Enabled	Enabled
GP-CA3030-2	Advanced	1	45 mph	Disabled	Disabled	Disabled
Joe's Dodge Ram	Premium	3	75 mph	Enabled	Enabled	Disabled
Xirgo-OBD-1396	Advanced	1	45 mph	Enabled	Enabled	Disabled
XirgoOBD-7565	Basic	2	55 mph	Disabled	Enabled	Disabled
XirgoOBD-8330	Basic	2	70 mph	Disabled	Enabled	Enabled
XirgoWired-3171	Advanced	2	55 mph	Disabled	Enabled	Enabled

Schedules

GPS Name	Alert Type	
GP-CA3030-1 - Diane	Ignition	Manage Schedule
GP-CA3030-2	Speed	Manage Schedule
Joe's Dodge Ram	Speed	Manage Schedule
Joe's Dodge Ram	Ignition	Manage Schedule
Xirgo-OBD-1396	Ignition	Manage Schedule
XirgoOBD-7565	Speed	Manage Schedule
XirgoOBD-7565	Ignition	Manage Schedule
XirgoOBD-8330	Ignition	Manage Schedule
XirgoOBD-8330	Speed	Manage Schedule

Figure 15 – Notifications Main Screen

This screen displays a list of all tracking device that are assigned to the current customer. The following device data is listed:

- Service Plan
- Zone Alerts
- Speed Alerts
- Low Battery Alerts
- Ignition Alerts
- Plug-In Alerts

Service Plan

Each device is assigned a service plan, which determines characteristics and features of the tracking device. The following points define the service plans.

Saver

- Request a location on-demand from an Internet enabled computer or cell phone (30 max/month).
- Low battery alerts.
- Sixty days of history with export.

Basic

- Request a location on demand from an Internet enabled computer or cell phone.
- Request tracking for one hour with a location every five minutes. (requires ignition on for vehicle devices)
- Map and record the location and time of an ignition on and ignition off events for vehicle devices.
- E-mail notifications and history for entry and exit for up to three Alert Zones.
- E-mail notifications and history of exceeding a user-defined Speed.
- E-mail notifications and history of ignition on/off events.
- Notifications for ignition and speed events during a user defined time period.
- Low battery alerts.
- Sixty days of history with export.
- Consider upgrading to the Advanced Plan for continuous location reporting every five minutes while vehicle ignition is on.

Advanced

- Map and record of the location every five minutes while ignition on and moving.
- Record the location of ignition on and ignition off events for vehicle devices.
- E-mail notifications and history for entry and exit for up to three Alert Zones.
- E-mail notifications and history of exceeding a user-defined Speed.
- E-mail notifications and history of ignition on/off events.
- Notifications for ignition and speed events during a user defined time period.
- Request a location on demand from an internet enabled computer or cell phone.
- Sixty days of history with export.
- Reports for Stops, Trips (including miles), and all events.
- Consider upgrading to the Premium Plan for continuous location reporting every two minutes while the vehicle ignition is on and idle reporting

Premium

- Map and record of the location every two minutes while ignition on and moving.
- Record the location of ignition on and ignition off events for vehicle devices.
- E-mail notifications and history for entry and exit for up to five Alert Zones
- E-mail notifications and history of exceeding a user-defined Speed.
- E-mail notifications and history of ignition on/off events.
- Notifications for ignition and speed events during a user defined time period.
- Request a Location on demand from an internet enabled computer or cell phone.
- Reports for Stops, Trips (including miles), Idles, and all other events.
- Low battery alerts.
- Sixty days of history with export.

Zone Alerts

The number of zone alerts that can be configured on a device depends on the service plan. The number in the **Zone Alerts** column allows you to create and edit zones. When you click on the zone alert number for a device, you will see a page similar to the following:

[Back](#)

Managing Zone Notifications for Calamp-LMU820-Wired
 Configure up to three zones and receive notifications when your GPS device moves in or out of the designated areas. Click to add a new zone or configure an existing zone.

Zone Name	Zone Address	
Edit 820-home	2011 knights ct allen tx	Delete
Edit 820-work	8144 walnut hill ln dallas tx	Delete
Edit 820-mid	bush-75	Delete

Select the following email addresses and cell phone numbers to be notified of this event. NOTE: If using a cell phone, please ensure the applicable carrier address from the table below is used.

- Joseph-iPhone5 Bell (██████████)
- Joseph-iPhone5 Bell (Mobile Push Notification)
- Jonny Moberley (██████████)
- Marcelo Casiraghi (██████████)
- Marcelo Casiraghi (Mobile Push Notification)
- Purni G (██████████)
- Purni G (Mobile Push Notification)
- Joseph-iPhone3GS Bell (██████████)
- Joseph-iPhone3GS Bell (Mobile Push Notification)

Figure 16 – Manage Notifications

Note: A Mobile Push Notification is the same thing as a text or SMS message.

To edit a zone, click the **Edit** link next to one of the zones. You will see a screen similar to the following:

Edit Zone Current Customer: Dallas Office

Zone Name:

Color:

- If when you enter an address OR Latitude, Longitude manually, be sure to click the "Zoom Map to Address" button to confirm that the location is understood correctly.

Figure 17 – Zone Configuration

Click anywhere on the map and a rectangular zone will be created. You can edit the size of the zone by clicking and dragging the sides and the corners of the shape. On the left side of the screen, fill in all of the relevant information:

- Zone Name
- Zone Color
- Zoom Map to Address (Enter an address to zoom directly to that point on the map.)

Click the **Save** button to save the zone configuration. To add a new zone, click the **Add New Zone** link.

Other Alerts

In addition to **Zone Alerts** there are other alerts that can be configured on the **Notifications** page.

Speed Alert

If you have a supported service plan, you can configure speed alerts on your device. This will send an alert to either an e-mail address or as a text message when that speed limit is exceeded.

To set the speed alert, click in the **Speed Alert** column, next to your device. You will see a screen similar to the following:

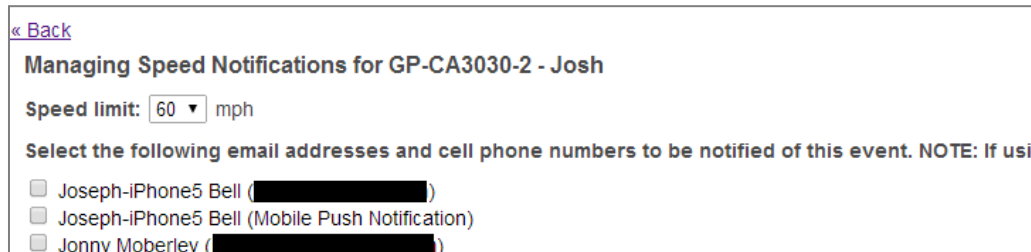


Figure 18 – Speed Alert Configuration

Note: A Mobile Push Notification is the same thing as a text or SMS message.

Make sure that at the bottom of this page, the box next to **Enable Speed Notifications** is checked.

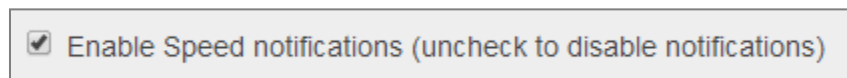


Figure 19 – Enable Speed Notifications

Click the **Save** button to save your settings.

Low Battery Alert

All services plans support the **Low Battery Alert** feature. Simply click the Enabled or Disabled link in the Low Battery Alert column. At the bottom of the page, make sure you check the box next to **Enable Low Battery Notifications**.



Figure 20 – Enable Low Battery Notifications

Click the **Save** button to save your settings.

Ignition Alerts

If you have a supported service plan, you can configure ignition alerts. When **Ignition Alerts** are enabled, you will receive notifications when the engine status changes. This can be when the engine is turned on, or off. Simply click the Enabled or Disabled link in the Ignition Alert Column. At the bottom of the page, make sure you check the box next to **Enable Ignition Notifications**.



Figure 21 – Enable Ignition Notifications

Click the **Save** button to save your settings.

Plug-In Alerts

If you have a supported service plan, you can configure plug-in alerts. When Plug-In Alerts are enabled, you will receive notifications when power is restored to the tracking device. This is useful if devices are unplugged and then plugged back in. Simply click the Enabled or Disabled link in the Plug-In Alert Column. At the bottom of the page, make sure you check the box next to **Enable Plug-In Notifications**.

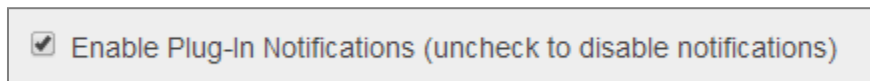


Figure 22 – Enable Plug-In Notifications

Click the **Save** button to save your settings.

Manage Schedules

Managing schedules allows users to set up parameters to receive notifications only during user-defined periods. To configure a schedule for a specific device, click the **Manage Schedules** link next to the name of the device.

Schedules		
GPS Name	Alert Type	
Calamp-LMU820-Wired	Ignition	Manage Schedule
Calamp-LMU820-Wired	Speed	Manage Schedule
Xirgo-OBD-1396	Ignition	Manage Schedule
XirgoOBD-7565	Ignition	Manage Schedule
XirgoWired-3171	Speed	Manage Schedule
XirgoWired-3171	Ignition	Manage Schedule

Figure 23 – Manage Schedules

On the next screen, click either **Add Schedule Period** or **Add Schedule by Day**, as displayed in the following images:

[Add Schedule period](#)
From : - To : [remove](#)
 [Cancel](#)

Figure 24 – Add Schedule Period

[Add Schedule by day](#)
From To - From : To : [remove](#)

Figure 25 – Add Schedule by Day

Configure the schedule(s) you desire, and click the **Save** button.

Settings Page

The **Settings Page** allows you to configure the settings for your account, and for your tracking devices. You will see the following menu on your **Settings** page:



Figure 26 – Settings Menu

Note: Depending on the role of the user (Super Admin, Dealer Admin, Customer Admin, Customer) you may not see all of the menu selections.

Click on each of the menu items to configure specific settings.

General

The **General Settings** menu allows you to configure local settings for the Uplink GPS web interface. From the dropdown menus, select your time zone, language and units of measure.

Settings

Time zone: (GMT-06:00) Central Time (US & Canada) ▼ Please specify your time zone

Language: Default (browser detection) ▼ Please specify your language

Units of measure: English units ▼ Please specify your units of measure

Figure 27 – Settings Menu

Manage Devices

Click the **Manage Devices** menu to manage the devices that are assigned to your account.

Note: Your dealer adds and removes tracking devices to and from your account.

Manage Devices		Current Customer: Dallas Office	
NAME	SERVICE PLAN	DEVICE ICON	ICON COLOR
Joe's Dodge Ram	Premium		
Calamp-LMU820-Wired	Premium		
GP-CA3030-1 - Diane	Saver		
GP-CA3030-2 - Josh	Basic		
XirgoOBD-7565	Basic		
XirgoOBD-8330	Basic		
XirgoWired-3171	Basic		
Xirgo-OBD-1396	Advanced		

Figure 28 – Manage Devices Menu

Select the device icon and icon color that will represent your vehicle on the location map.

Manage Users

Depending upon the rights and permissions that a particular user has, you can update another user's information in the Manage Users area. Click the **Edit** button next to the user's name. You will see a screen similar to the following:

The screenshot shows a web form titled "Manage Users" with a sub-header "Update User". Below the sub-header is a section labeled "BASIC INFO". The form contains the following fields and options:

- Email:** A text input field with a "Change password" link to its right. Below the field is the text "Required. This will be the login for this user."
- First Name:** A text input field containing "Purnima". Below the field is the text "Required."
- Last Name:** A text input field containing "Gandikota". Below the field is the text "Required."
- Role:** A dropdown menu with "Super Admin" selected. Below the field is the text "Required."
- Cell Phone:** A text input field. Below the field is the text "Optional."
- Carrier:** A dropdown menu. Below the field is the text "Optional. Required when cellphone is present."
- Time Zone:** A dropdown menu with "(GMT-06:00) Central Time (US & Canada)" selected. Below the field is the text "Optional."

At the bottom of the form are three buttons: "Save", "Save and Edit", and "Cancel".

Figure 29 – Update User

Add all relevant information. Click the **Save** button when finished.

To delete a user, click the **Delete** link next to the user's name.

To add a new user, click the **Add New** button.

FAQ Page

The **FAQ** page contains a list of frequently asked questions. These are frequently updated by Numerex personnel.

Customer FAQs
Question #1 - What are the different alert types for a device?
Question #2 - What are the available Service Plans?
Question #3 - How do I create a new zone?
Question #4 - How often will I receive notifications from my devices?
Question #5 - How many zones does each device support?
Question #6 - What does the red exclamation point signify?
Question #7 - What are the different user roles?
Question #8 - What are the different notifications for zones?
Question #9 - How do I manage a device's schedule?
Question #10 - How are notifications and alerts sent?
Question #11 - Are there any reporting capabilities?

Figure 30 – FAQ Page

Support Page

The **Support Page** allows customers to contact Numerex with any technical questions they have. Please type a message in the allotted area, and click the Send button when finished. You will receive a reply within 24 hours.

Customer Support

To obtain support, update your contact information, purchase additional GPS tracking devices, or to change your service plan, please contact:

Numerex
8144 Walnut Hill Lane, Suite 310, Dallas, TX 75231
800-665-5686
support@numerex.com
www.numerex.com

When contacting us, please reference your Customer Name:

Please enter your message here. Our goal is to reply by the next business day.

Figure 31 – Customer Support Message

Revision History

Rev. #	Change Made	Date	Editor
Draft	Initial Draft	10/8/2014	DWindsor