


QT Solutions DR100 Communication GPS Module User Guide

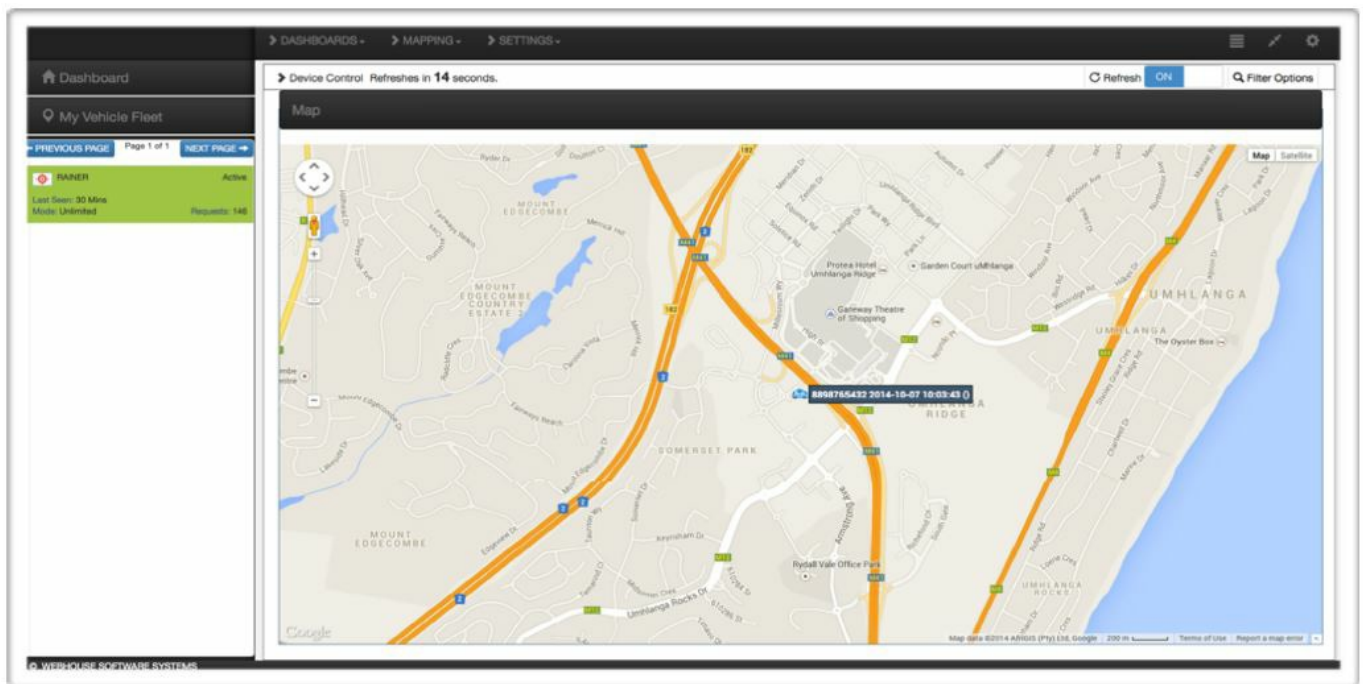
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QT Solutions

QT Solutions DR100 Communication GPS Module



Product Information

Specifications

- **Product Name:** DR100
- **Version:** 2 – 10 September 2015

Logging In

To log in for the first time:

1. Check your email inbox for an email from SWATno-reply@karrrecovery.com. This email will contain a temporary password and a link to the SWAT ENHANCED website, karrrecovery.com.
2. Use the email you provided to the SWAT customer service department as your username.

If you forget your password:

1. Click on “Forgotten Password” from the Login Screen.
2. An email will be sent to your mailbox with instructions on how to reset your password.

Product Usage Instruction

Account Dashboard

The Account Dashboard page contains all the relevant information about your account. It includes:

- **Top Menu Links:** The website pages contain links to all available pages.
 - Dashboard = Account Page: This link takes you to the main page or account dashboard.
 - Mapping = Map Page: This link takes you to the mapping page where you can send commands to the device, and view communication history, and location history.

- **Settings = Users Page:** This link allows you to edit your personal information.
- **Settings = Alerts Page:** This link allows you to set up email/text notifications.
- **Settings = Geo Places:** This link allows you to create Geo Place boundaries.
- **Settings = Device Configuration:** This link allows you to edit your vehicle information and enable Speed and Geo Place notifications.
- **Account Profile:** This section displays the current unit of measurement, verification code status, and the account creation date and time.
- **User Profile:** This section displays the user's contact information, email address (login), time zone, and the last login time.
- **Subscriptions:** This section displays all active subscriptions or products associated with the account.

Setup Users

To set up new users:

1. Select the "Settings" button from the top menu bar and choose "Users".
2. The page that loads contains your user details, which can be edited if necessary.
3. It is important to set up your verification code as soon as possible to verify your identity in an emergency.
4. At the top right of the screen, you will see three options:
 - "My Details": Provides a view of the details we have loaded for you. From here, you can update your contact details, set up a verification code, edit your password, and adjust your time zone setting.
 - "User List": Gives a view of all users for the account along with the option to edit their details.
 - "Add User": Allows you to set up a new user on the system.
5. Select "Add User" and input the new user's details, then click "Save".

FAQ

• Q: How do I log in for the first time?

A: To log in for the first time, check your email inbox for an email containing a temporary password and a link to the SWAT ENHANCED website. Use the email you provided to the SWAT customer service department as your username.

• Q: What should I do if I forget my password?

A: If you forget your password, click on "Forgotten Password" from the Login Screen. An email will be sent to your mailbox with instructions on how to reset your password.

• Q: How can I set up new users?

A: To set up new users, select the "Settings" button from the top menu bar and choose "Users". From there, you can add new users by inputting their details and saving them.

Logging In

Logging In For The First Time

Check your email inbox for an email from SWATno-reply@karrecovery.com. There you will find an email containing a temporary password to access your account for the first time and a link to the SWAT ENHANCED website, karrecovery.com. Please note that the email you provided to the SWAT customer service department is your username.

Forgotten Password

Should you forget your password, click on “Forgotten Password” from the Login Screen. An email will be sent to your mailbox with instructions on how to reset your password.

Account Dashboard

The Account Dashboard Page

The account dashboard contains all the information relevant to your account. You will see the following items displayed:

- List of vehicles linked to your account (Device description can be edited)
- License Plate (Hovering over the license plate will tell you when the device in that vehicle last reported a position)
- Product (Swat Enhanced or SWAT)
- Status (Tell you whether your account is active or disabled)
- Map Mode (Number of times you can go to the Map Page)
- Requests (Number of available commands that can be sent to the device for the month)
- IO Status (Not Applicable)
- Alerts (Number of alerts set for that vehicle)
- Options (The vehicle icon is a link that takes you to the mapping page for immediate tracking)

Top Menu Links

All pages on the website contain links to all of the pages available.

- Dashboard = Account Page is the account link to the main page or account dashboard.
- Mapping = Map Page takes you to the mapping page that allows you to send commands to the device and provides communication history and location history.
- Settings = Users Page, which allows you to edit your personal information.
- Settings = Alerts Page, which allows you to set up your email/text notifications.
- Settings = Geo Places, which allows you to create Geo Place boundaries.
- Settings = Device Configuration, allows you to edit your vehicle information and turn on the Speed and Geo Place notifications.

The screenshot displays the Account Dashboard for the user RAINERS@WEBHOUSEGROUP.COM. The interface includes a top navigation bar with links to DASHBOARDS, MAPPING, and SETTINGS. A sidebar on the left contains a menu with options like Overview, Vehicle Listing, and a dropdown for USERS, ALERTS, GEO PLACES, and DEVICE CONFIGURATION. The main content area features a 'Vehicle Listing' table with columns for License, Plate, Description, Product, Status, Map, Mode, Requests, IO Status, Alerts, and Options. The table shows one vehicle with license RAINER, plate 88987684321, and status Active. To the right of the table are three sections: 'Account Profile' showing account details like name, verification code, and creation date; 'User Profile' showing user contact information like email, phone, and last login; and 'Subscriptions' showing a list of active products and their purchase dates.

License	Plate	Description	Product	Status	Map	Mode	Requests	IO Status	Alerts	Options
RAINER	88987684321	RAINER	Swat Enhanced	Active	Unlimited	146	NA	2		

Account Profile

Account Name: RAINERS@WEBHOUSEGROUP.COM
 Verification Code: [Red icon]
 Measurements: MI / mph
 Created: 8/29/2014 7:35:16 AM AMERICA/MEXICO_CITY

User Profile

User Name: david@webhousegroup.com
 First Name: DAVID
 Last Name: S
 Email: DAVIDS@WEBHOUSEGROUP.COM
 Mobile:
 Security: ROOT ACCESS
 Time Zone: AMERICA/MEXICO_CITY
 Last Login: 2014/10/06 06:17:05 (17 Hrs 32 Mins ago)

Subscriptions

Product	Purchased
Swat Enhanced	1

Information

Vehicle details need to be confirmed, these details are used when a vehicle recovery is attempted.

- On the right of the Account Dashboard, will be the Account Profile, User Profile and a list of your subscriptions
- Account Profile will show the current unit of measurement, whether or not a verification code has been set and the date and time the account was created. Please select the red icon next to "Verification Code" to see your code. The verification code is used to identify you as an Account Administrator. It can be a word, number or any combination of letters and numbers.
- User Profile will show the user contact information we have on record, email address (login), time zone on your account and the last time you logged in.
- Subscriptions displays all subscriptions or products active on the account

Help


Filter Options

Account Profile

Account Name

RAINERB@WEBHOUSEGROUP.COM

Verification Code



Measurements

Mi / mph

Created

6/20/2014 7:35:16 AM AMERICA/MEXICO_CITY

User Profile

User Name

davids@webhousegroup.com

First Name

DAVID

Last Name

S

Email

DAVIDS@WEBHOUSEGROUP.COM

Mobile


Security

ROOT ACCESS

Time Zone

AMERICA/MEXICO_CITY

Last Login

 2014/10/08 02:34:51 (01 Days 19 Hrs 18 Mins ago)

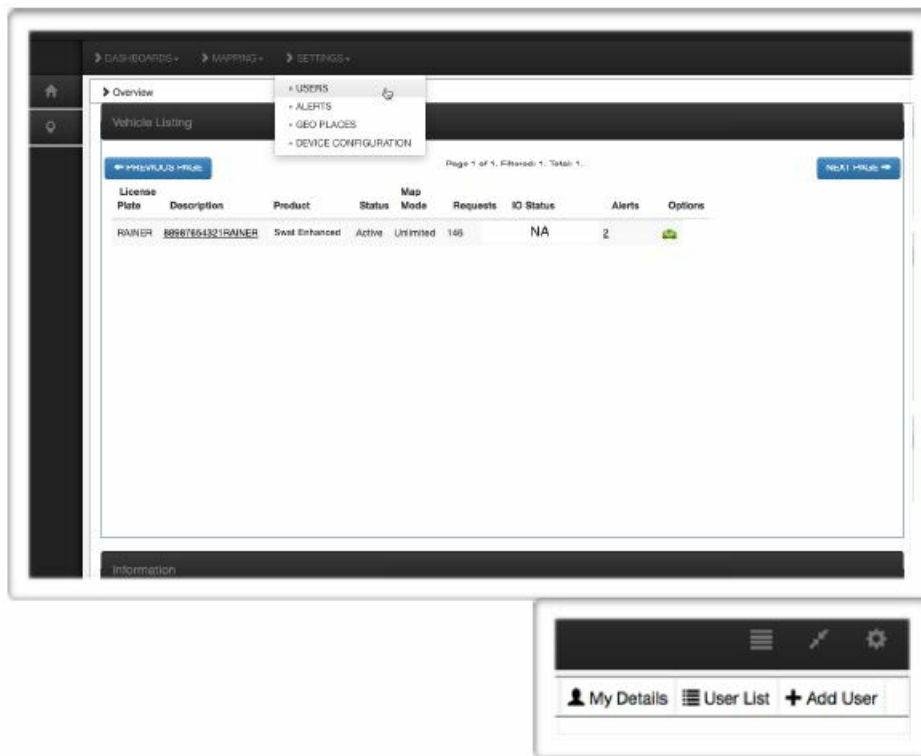
Subscriptions

Product	Purchased
Swat Enhanced	1

Setup Users

How To Setup New Users

You can easily setup new users by selecting the Settings button from the top menu bar and selecting Users. The page that loads contains your user details which can be edited should it be required. It is important that you set up your verification code as soon as possible as it will be required to verify your identity in an emergency.



At the top right of the screen, you will see 3 options:

My Details	Provides a view of the details we have loaded for you. From here you can update your contact details, set up a verification code*, edit your password and adjust your time zone setting.
User List	Gives a view of all users for the account along with the option to edit their details
Add User	Allows you to set up a new user on the system.

- The verification code will be required to verify your identity in an emergency situation.
- Select Add User and you will be required to input the new user's details and select Save.

Setup Geo-Place

How To Setup A Geo-Place

A Geo-Place can be used to define a perimeter and provide alerts when a vehicle enters or exits the perimeter. Only 1 Geo-Place per vehicle can be active at any one time.

From the Settings button select Geo- Place which will load the Geo-Place Map. Select Search/Add from the top right of the map which will expand the Geo-Place details menu.

A Geo-Place can either be set up by inputting an address or by selecting Create Geo-Place which will place a circle on the map. The circle can be moved by simply clicking and dragging the flag to the desired location on the map. Provide a name for the location and select Save which will save the name and location.

The Geo-Place then needs to be enabled from the Device Configuration Page.

Define Vehicle Alerts

How To Configure Vehicle Triggers

Vehicle triggers are set up on the Device Configuration page and accessed from the Settings button on the top menu bar.

- When you select the desired vehicle from drop down, the vehicle details will load. Please ensure the information is accurate as it will be crucial in the event of a recovery.
- Current alert settings will be shown and can be adjusted if required. Update the desired alert speed from the

drop-down menu or select Not Set to leave the trigger deactivated.

The screenshot shows a web interface for configuring vehicle details and alert settings. The 'Vehicle Details' section on the left includes fields for Vehicle ID (88987654321RAINER), License Plate (RAINER), Make (FERARRI), Model (458 SPIDER), Color (RED), Vin No (88987654321RAINER), Vehicle Description (88987654321RAINER), Custom Description (88987654321RAINER), Grouping (NO GROUPS), and Map Icon (a row of five car icons with the first one selected). An 'Update' button is at the bottom left. The 'Alert Settings' section on the right has a 'Vehicle Settings' subsection with a 'Speeding' dropdown set to '75'. Below it is a 'Geo Place Settings' subsection with a 'Circle 1' dropdown set to 'HOME' and a 'Configure Geo Places' button. An 'Information' box at the bottom right contains instructions: 'Set your Speeding threshold above. To turn off the Speeding threshold, select Disabled.' and 'Set your Geo Place by selecting one of the locations above. To create a new Geo Place, click the "Configure Geo Places" button to be sent to the Geo Places page. To disable Geo Places, select Disabled.'

- One of the configured Geo-Places can be selected or a new one set up by selecting Configure Geo-Places. Only one Geo-Place can be active per vehicle at any one time.
- Select Update when complete and the new settings will be sent to the vehicle within a few minutes.

The Alerts Page

Distribution of alerts is configured from the Alerts page, accessed from the Settings button on the top menu bar.

Under the Alert Listing section, you will see the alerts that have been set up previously. 5 alerts can be set:

Geo Warning Enter	Triggers an alert when the vehicle enters the defined geo-place
Geo Warning Exit	Triggered when the vehicle exits the defined Geo-Place
Speed Trap	Triggers an alert when the vehicle exceeds the defined speed
Vehicle Battery Disconnect	Triggered if the vehicle battery is disconnected
Vehicle Battery Low	Triggers alert if the battery charge is low

- Each alert can be distributed as either an email or SMS.
- The Triggered Alerts section contains all previous alerts with the time and date, alert type and vehicle.

How To Setup Alerts

- Alerts are set up from the Alerts page. Alerts can be set up for either group or individual vehicles.
- From the drop-down menus select either the group or vehicle, then select the type of alert from the options in the Alert Message field. Should you be on the system and would like a pop-up alert, select the Yes box from the On Screen Alert option.
- Enter the email address and mobile number you would like the alert sent to and choose Save. Cell numbers must be entered with +1 without spaces and dashes. All emails or cell numbers must be separated by a semicolon (;).
 - Sample Cell Numbers: +19491119999; +19492229999
 - **Sample Emails:** swatplus1@swatplus.com; swatplus2@swatplus.com.
 - The Alert is then saved and will trigger should the parameters be breached.
 - The process needs to be repeated for each alert type, per vehicle or group.

Filter Options

Server Alert Details

Vehicle Groups

NO GROUPS

Vehicle

SELECT ONE (1)

Alert Message

On Screen Alert

☐ Yes ☐ No

Email Address

Mobile Numbers

Save

Clear

Information

Note: You may enter your cell number as an email address by formatting your cell number as an email address. Check with your cell provider for the format. Here are some popular samples:

T-Mobile

- **Format:** 10-digit cell phone number @ tmomail.net
- **Example:** 3335551111@tmomail.net

Verizon Wireless

- **Format:** 10-digit cell phone number @ vtext.com
- **Example:** 3335551111@vtext.com

Sprint PCS

- **Format:** 10-digit cell phone number @ messaging.sprintpcs.com
- **Example:** 3335551111@messaging.sprintpcs.com.

Cingular Wireless

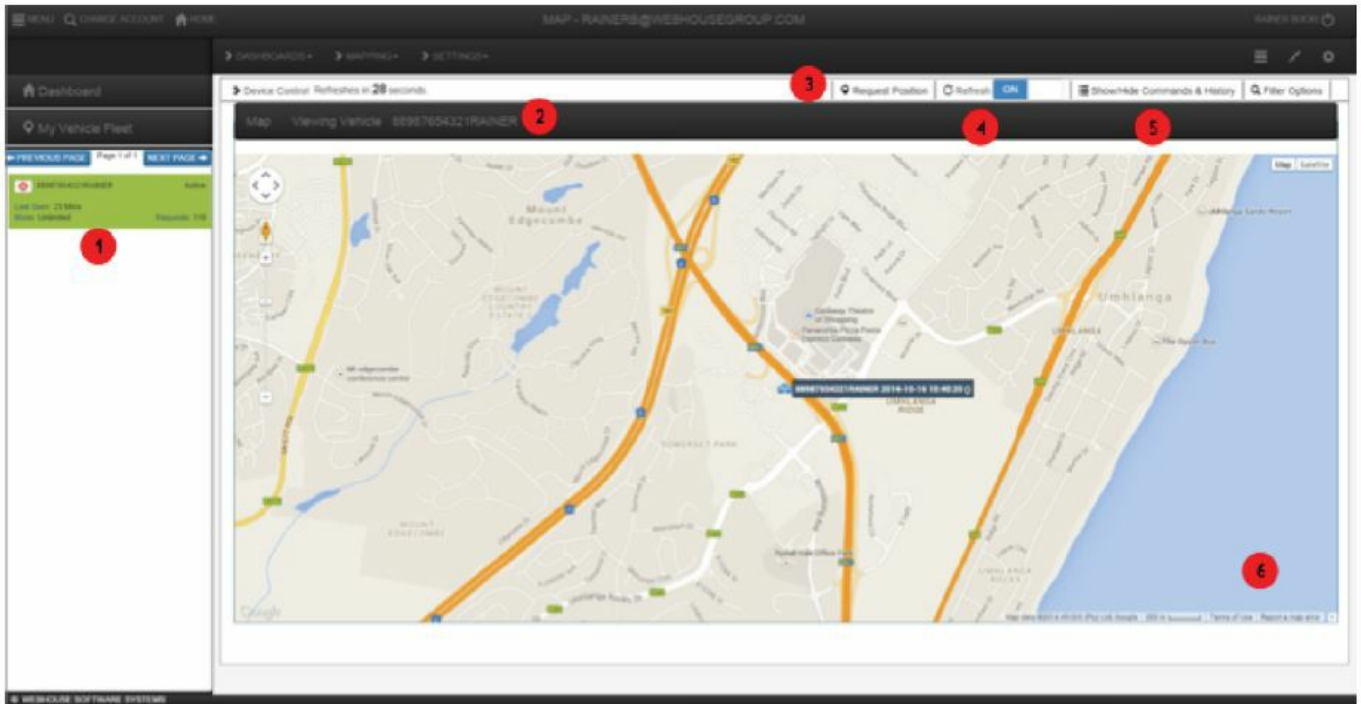
- **Format:** 1 + 10-digit cell phone number @ cingularme.com
- **Example:** 13335551111@cingularme.com

AT&T PCS

- **Format:** 10-digit cell phone number @ mobile.att.net
- **Example 1:** 3335551111@mobile.att.net
- **Example 2:** 3335551111@txt.att.net.

The Mapping Page

Layout Of The Mapping Page



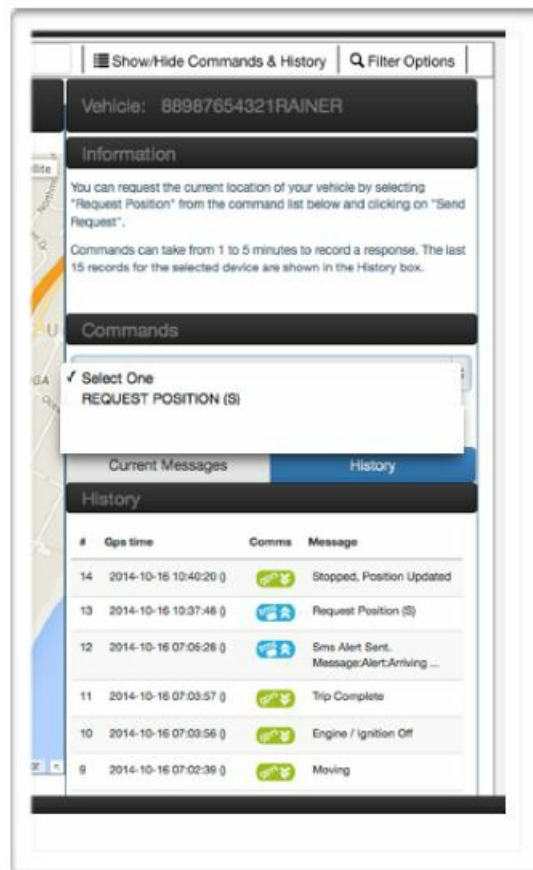
1. Vehicle List	Shows a list of all your vehicles
2. Vehicle Identifier	Displays the name of the current vehicle being viewed
3. Request Position	Selecting the Request Position button will return the latest position of the vehicle currently selected
4. Refresh Slider	Toggle on/off to disable the map auto-refresh function
5. Command & History	Command and History view
6. Map	Map area

Note:

If you have more than one vehicle on the account, when you go to the map page you must select the cross-hair next to the vehicle under the vehicle list to interact with that specific vehicle. Otherwise, when you first arrive on the page, you will see an overview of all the vehicles on the map and will not be able to send commands to any of the vehicles until one is selected.

Command and History Functions

The Command and History view provides you with a list of commands you can push to the vehicle along with the current and previous messages from the vehicle. The command that can be sent to the vehicle:

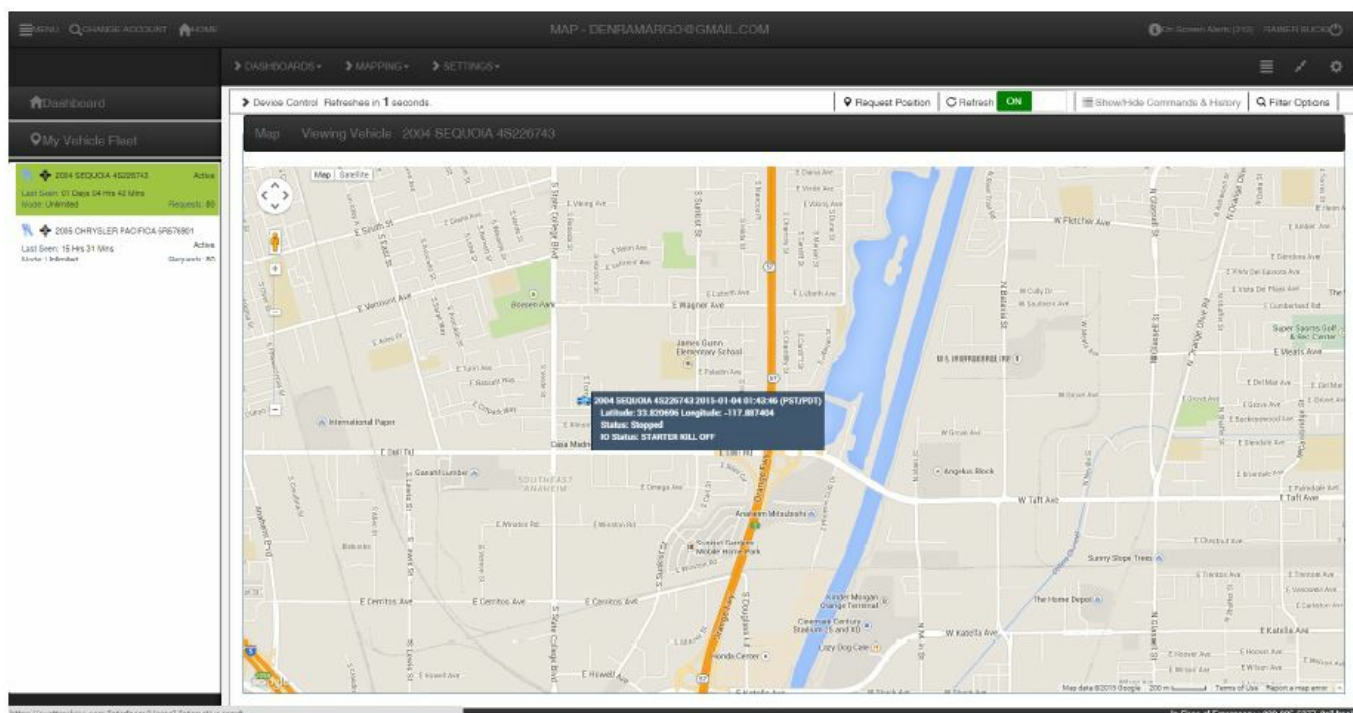


Request Position


- The History section can display either the latest list or the previous list of messages the vehicle has reported back to the site.
- **Note:** The vehicle icon and key icons on the map are colour-coded:
- Blue = Ignition Off when last location was reported Green = Ignition On when last location was reported
- Anytime you click on the Vehicle label on the map it will display:

Latitude/Longitude

Status of the vehicle (Stopped or Moving)



Map View

- You can toggle between the standard map view and the satellite view by selecting the option on the top left of the map.
- To zoom to street view, drag and drop the Pegman icon () to the desired location and drop. You will see an estimated address based on the latitude and longitude of the vehicle and the vehicle icon where the vehicle should be.

FCC Requirement

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Note:

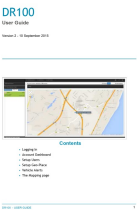
This equipment has been tested and found to comply with the limits for a Class B digital device, under Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used under the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Documents / Resources

	<p>QT Solutions DR100 Communication GPS Module [pdf] User Guide DR100, 2ASRL-DR100, 2ASRLDR100, DR100 Communication GPS Module, Communication GPS Module, GPS Module, Module</p>
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References

- [User Manual](#)