

iTracer™ WebApp User's Guide

Preface

This document provides an outline of the features and user interface of the iTracer™ Web Application, which can be used on smartphones, laptops, tablets, and PC's; including the iPhone®, iPad®, Android phones, selected Blackberry® phones, Windows® Surface devices, and Chrome notebooks. The application is supported on all major browsers including Internet Explorer/Edge, Chrome, Mozilla FireFox, and Safari browsers. Other devices and browsers may be supported as well if the browser supports the standard HTML5 protocols.

Publication History

Version	Date	Changes
1.00	10/24/2023	Initial Release for version 1.0.6

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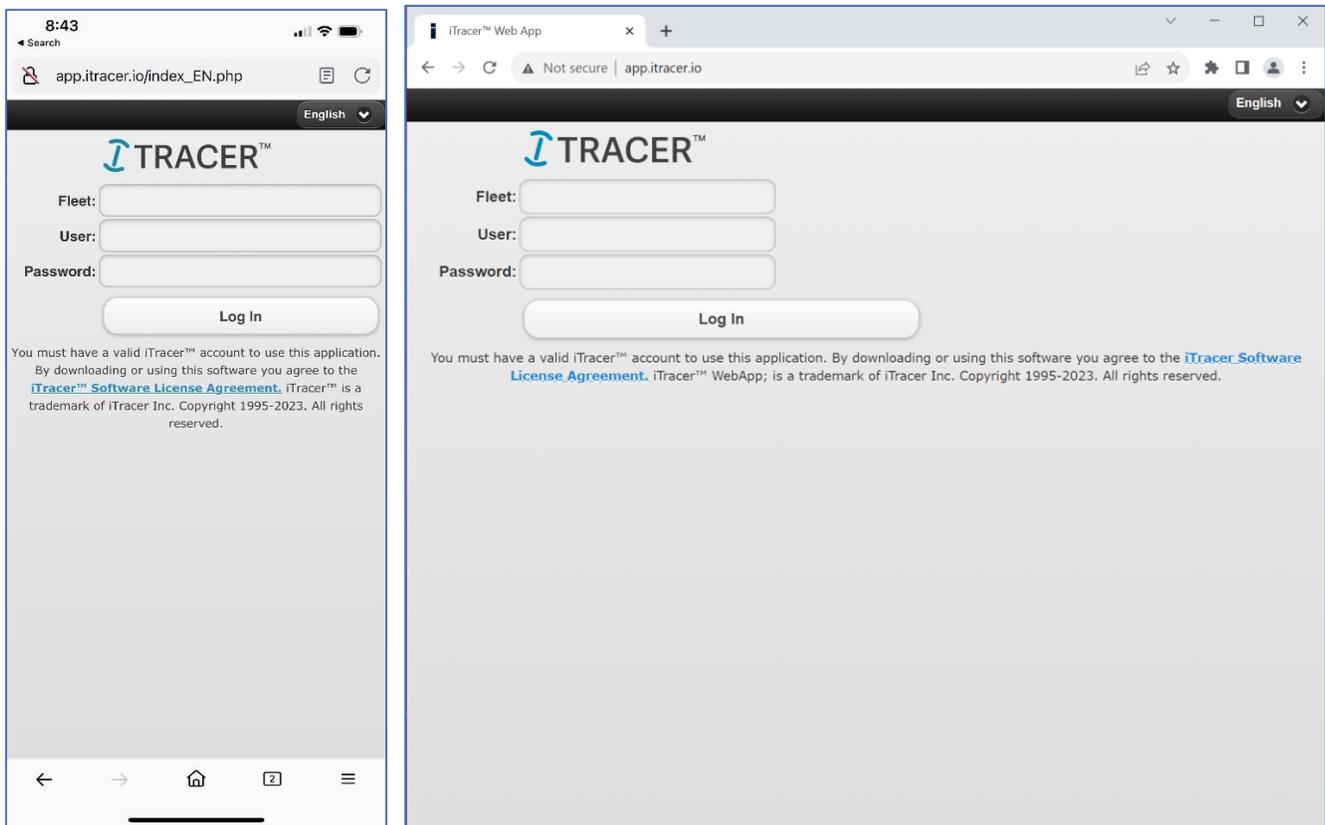
iTracer™ WebApp

The WebApp is located at <http://app.itracer.io> You can use the browser on your mobile device, tablet or laptop/PC system to access the WebApp through your browser. If you are unable to reach the web site, check to make sure that you are ‘in-coverage’ if on a wireless network and have access to the Internet either through your wireless carrier, WiFi, or through a network connection. Also check with your IT group if you have any special firewall or security settings for your phone or device that may restrict access to the website.

The iTracer™ WebApp is a viewing only application – it does not allow the user to add, delete or modify any of the account information. It does allow the user to see where their fleet is at relative to landmarks setup on their account, and to download vehicle or device location history to the user’s phone, tablet or PC.

Initial Logon Page

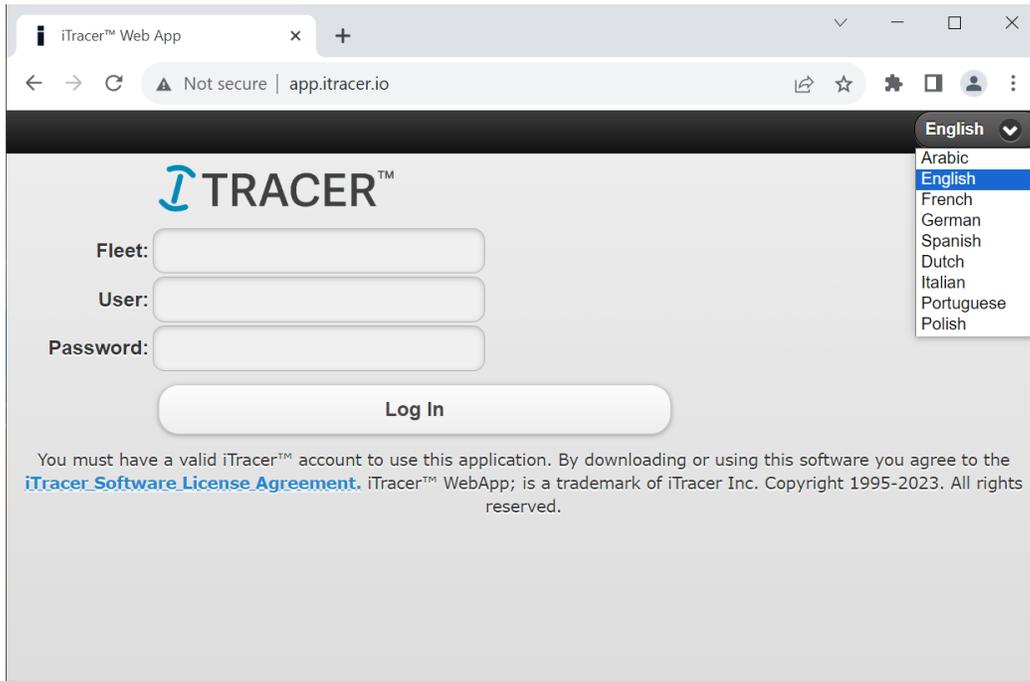
When initially logging onto the iTracer™ WebApp, you should see the follow similar screen on your system or device:



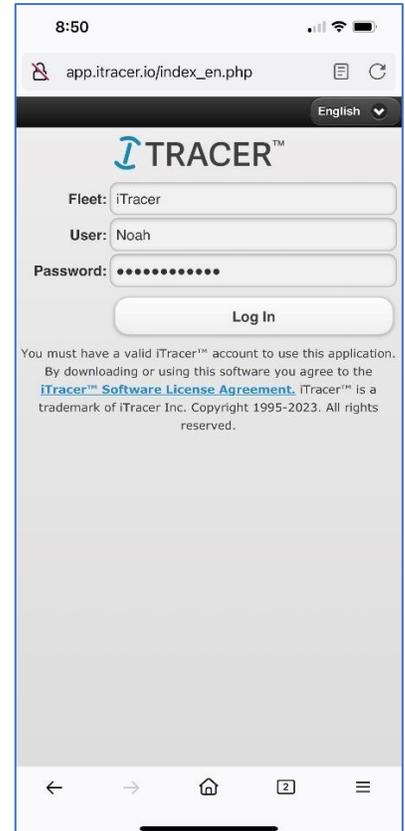
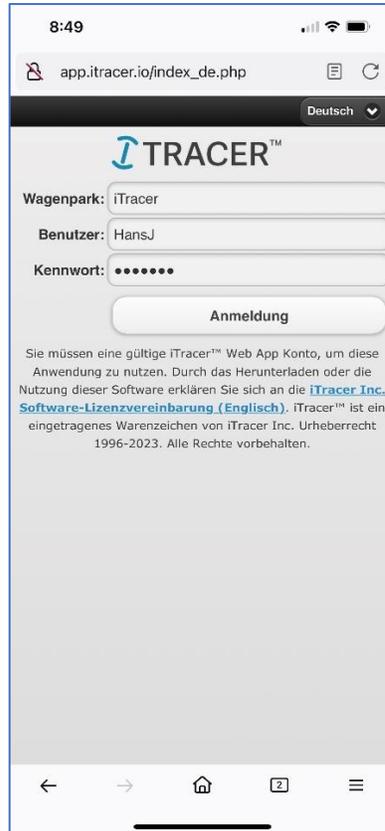
(as shown for an Apple iPhone® and a PC device)

The login page also includes a link to our online licensing agreement for the use of the software. The ‘About Us’ screen provides links for information on our patent, and registered iTracer™ brand for our product and services.

The software supports 9 different languages, which can be setup at the login from the dropdown box on the upper right-hand corner of the screen:



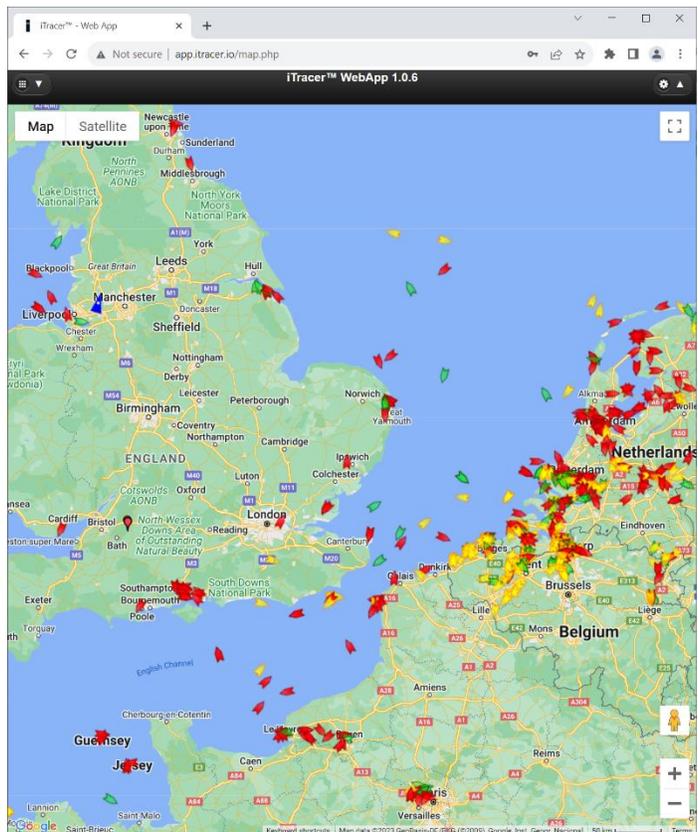
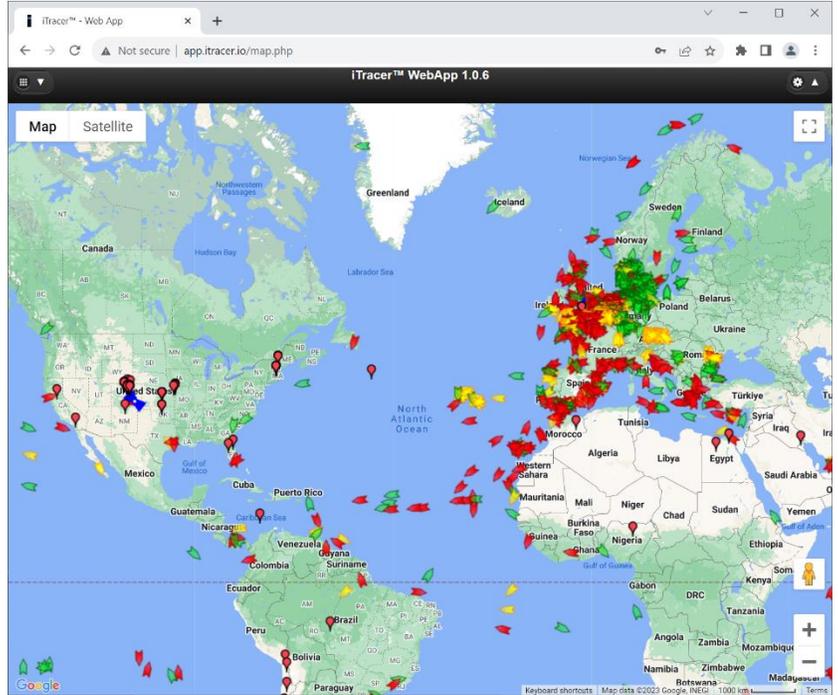
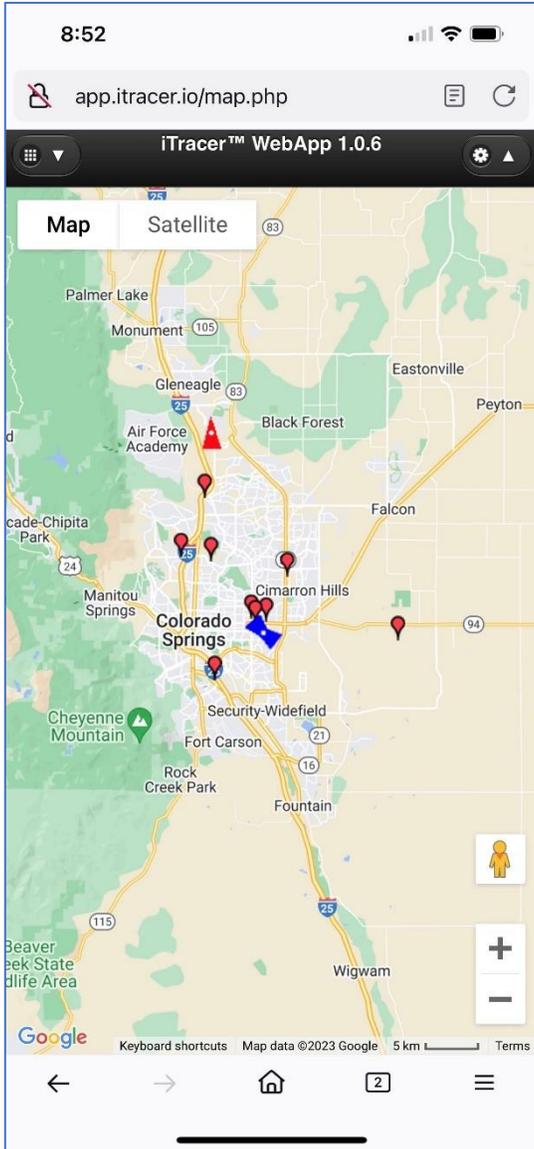
Once you've selected your language, you can enter your login credentials and click on the 'Log In' button to access your account. If you've entered your login incorrectly, you may see a warning message on this screen.



(log-in screens in Spanish, German, and English)

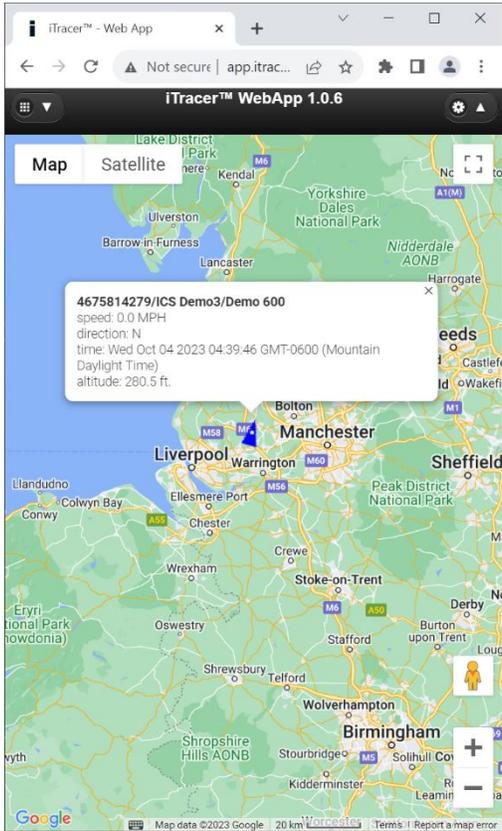
Initial Map View Screen

Once you are logged into your account, the device will bring up your account's initial map screen, along with any vehicles or landmarks you may have in the viewing area:



Map Features – Map Types, Zooming and Panning and Street Views

The display appearance may vary based on the type of device. Devices with a 'pinch to zoom' or multi-touch screen interface may not have the pan and zoom controls on the screen. Panning for these types of devices can be accomplished by dragging the map across the screen with a single touch ; otherwise panning and zooming can be accomplished using the associated map tools on the screen.



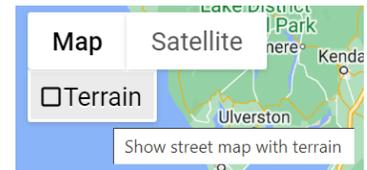
For most interfaces there is a 'plus/minus' control that allows the user to incrementally change the map zoom up or down.



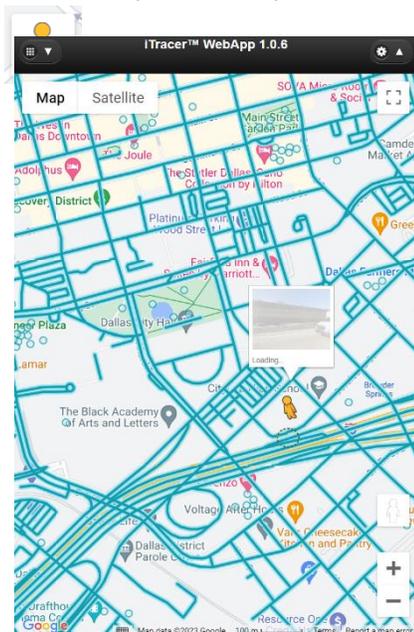
At the bottom of the screen is a scale that provides an indication of the zoom scale that the user is at for the current view. The feature is clickable, and will change between metric and imperial systems whichever the user prefers.



On the upper right hand corner are the map type controls. They can provide road maps (the default setting when the system initializes) and satellite maps, as well as terrain maps.



Additionally, street-maps are available in some areas by using the Pegman icon.



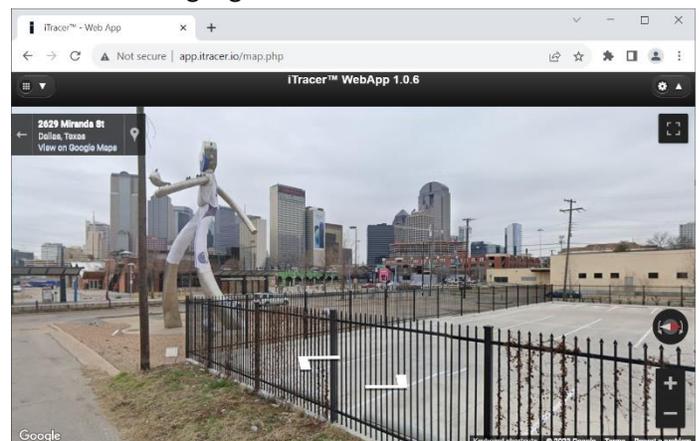
By hovering over the Pegman icon, it will tilt slightly to make itself available to the user.

By using your cursor to pick-up and drag the icon, you can drop you would like to see the images

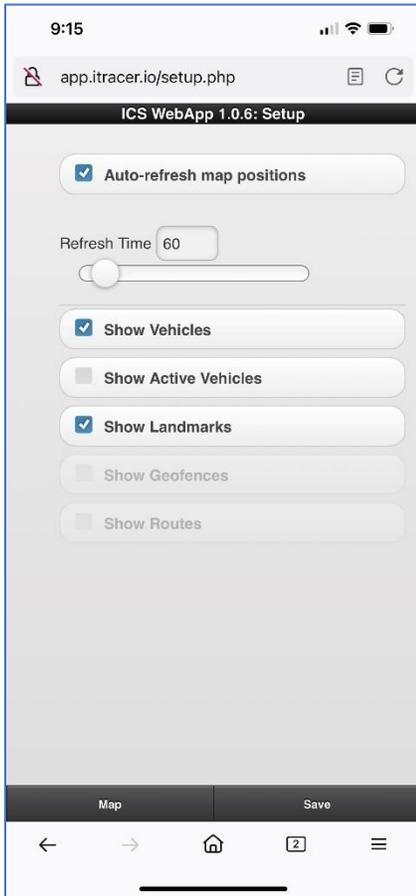


from, if the street location is highlighted on screen. If it is not highlighted on the screen the icon will not

drop, and no images will be available. Keep in mind that these street images are historical, and do not depict real-time pictures of the street at that location.



Map Features – Map Refresh and Setup



The WebApp is designed to refresh the map and map positions by default every 60 seconds. This can be adjusted or turned off from the ‘Setup’ screen, configured by selecting the gear button at the top right hand of the menu bar of the map screen.

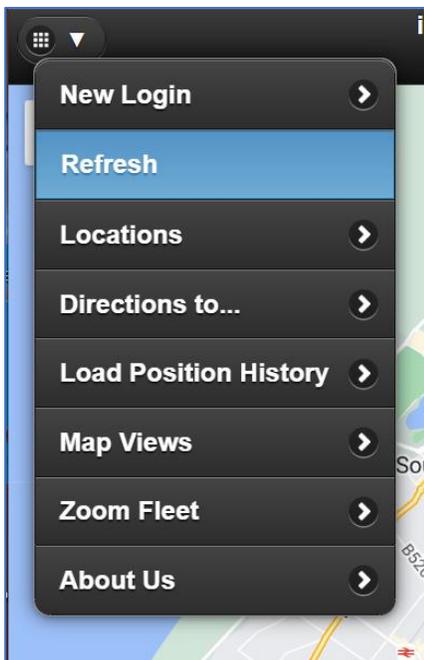
Clicking on the button will show the screen on the left. The refresh time can be adjusted out to 300 seconds, or it can be disabled by un-checking the ‘Auto-refresh map positions’ checkbox, and then clicking on ‘Save’ button. To leave the screen without making any changes, click on the ‘Map’ button on the lower left-hand side of the screen.

Turning off the Auto-refresh feature means that the application will no longer load updates on it’s own. However, you can click on the ‘Refresh’ menu item from the map screen to force an update whenever you need one.

Turning off the Auto-refresh feature may be helpful if you wish to review the current data set, or map features without being regularly interrupted by the auto update feature; including extended reviews of street views.

Map Features – drop-down Menu

The WebApp drop-down menu can be viewed by clicking on the ‘grid’ button on the upper left-hand side of the map page. To ‘Refresh’ the map and the real-time data positions of vehicles you can click on the ‘Refresh’ button. To view specific vehicles or landmarks, you can click on ‘Locations’.



If the device you are using is GPS capable and includes a Google Mapping application, you can get direction or setup a route to a vehicle or landmark location by clicking on ‘Directions to...’.

If you would like to load position history for a range of times and dates, you can click on ‘Load Position History’. Only one vehicle can be selected for this function at a time.

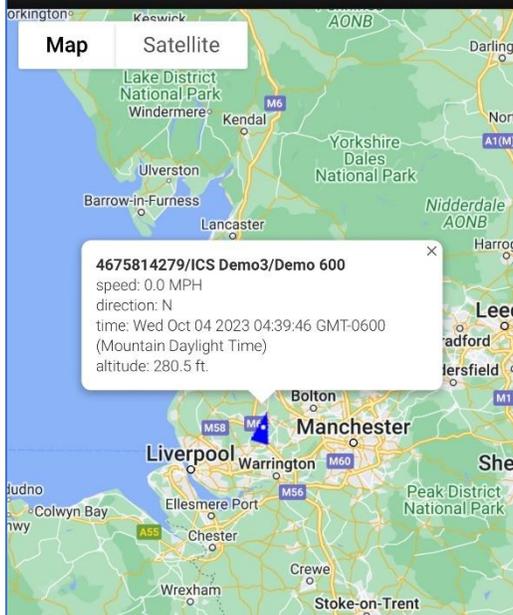
Clicking on ‘Map Views’ will allow you to display geographic locations saved to your account from the iTracer™ Fleet Executive (iFE) application.

‘Zoom Fleet’ will zoom on all vehicles, or all of the active vehicles or positions – depending upon the mode that has been setup.

‘New Login’, will take you back to your original login page.

Map Features – Icons

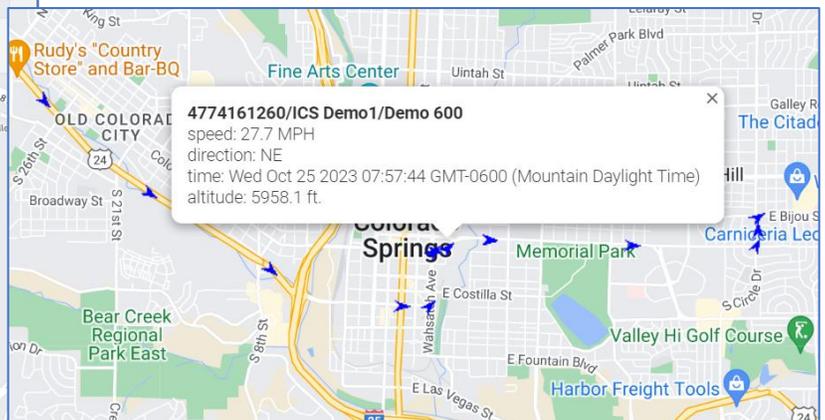
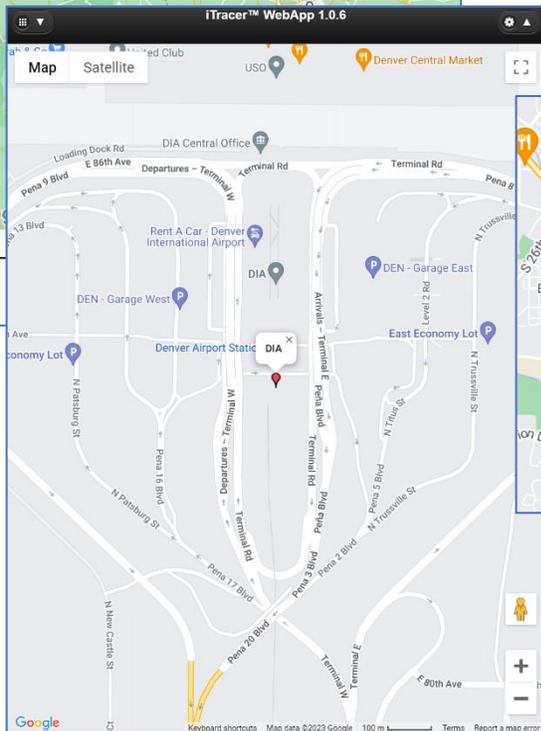
When running in the standard map view, the system will download updated maps and position information either automatically or manually by clicking on 'Refresh' from the drop down menu. This will provide the user with the most current location of the vehicle or devices (such as a phone with tracking software) in their fleet.



Clicking on the device icon will provide you with the ID, name, and alias of the device, along with its speed (in your format either MPH or KPH), the direction, the altitude (in ft. or meters) and the time. The time will be the GPS time and date that the position was generated – relative to the time zone of the phone.

Similarly, landmarks are identified by a red balloon icon, and clicking on them will provide you with the name of the landmark – as it was setup in iFE.

When reviewing position history, the position icon will also indicate not only the direction that the device was traveling at the time, but similarly the ID, name, and alias – along with the speed, direction, time (relative to the time of the mobile device you are using to view the data with) and altitude of the vehicle or device you are tracking.



WebApp Features – Locations

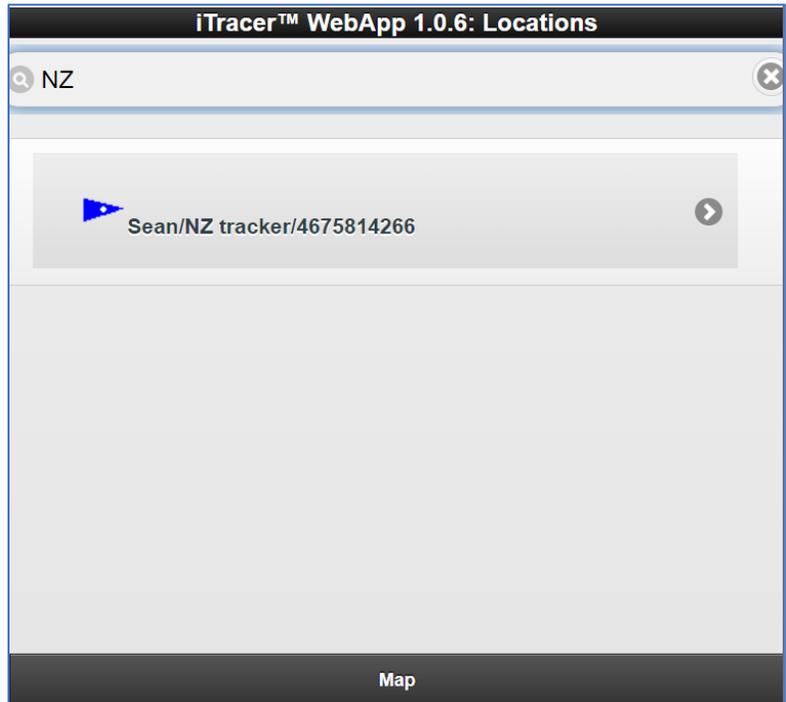


The user can center on any of the vehicles or landmark locations on the account by clicking on the 'Locations' button in the drop-down menu.

If you have a large number of vehicles and/or landmarks, there is a filter feature at the top of the page that can be used to help find a particular vehicle or landmark very quickly.

Once you've found the item you want to center on, clicking on the button will re-center and re-zoom the map on the location for you. Clicking on the 'Map' button at the bottom of the screen will take you back to the Map without selecting a location to center on.

To the left we have an unfiltered list of vehicles. Below we have two different filtered views of the same fleet based on what the user has entered.



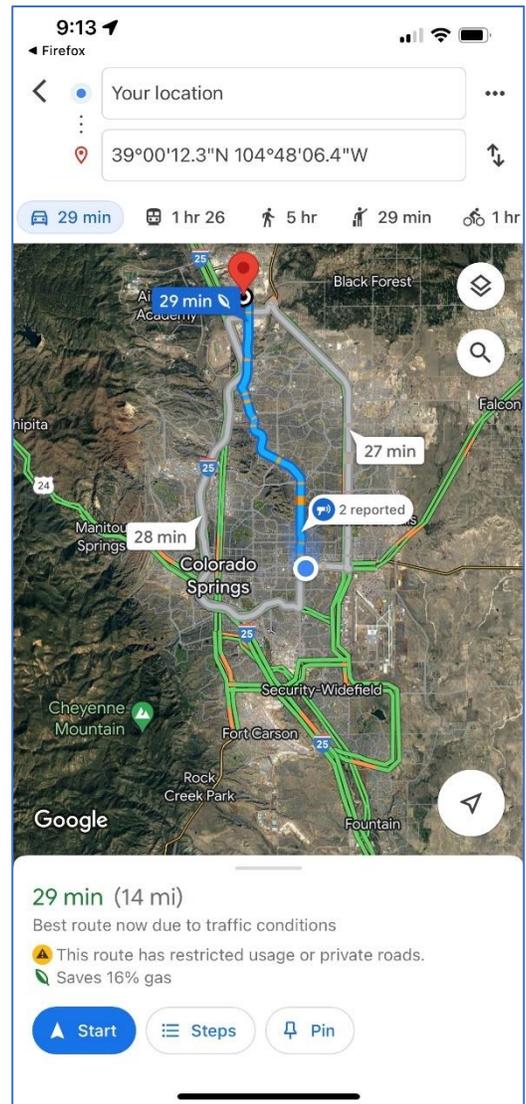
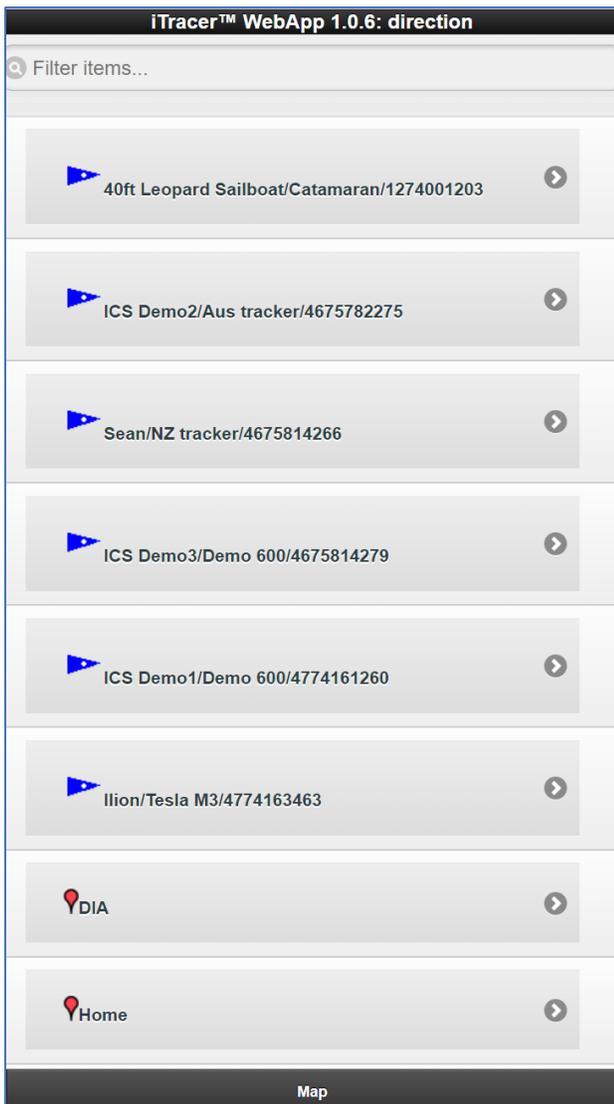
WebApp Features – Directions to...

The user can also use Google Maps applications on their mobile device to provide routing from their current location to the location of a vehicle/device on their account, or to a landmark by clicking on the 'Directions to...' drop-down menu item.

Clicking on an item in the list optionally using the filter (as described in the 'Locations' section) will transfer the position data to the resident Google Maps application. Using the Google application the user can create a route to the location from their current location as shown below on an iPhone®.

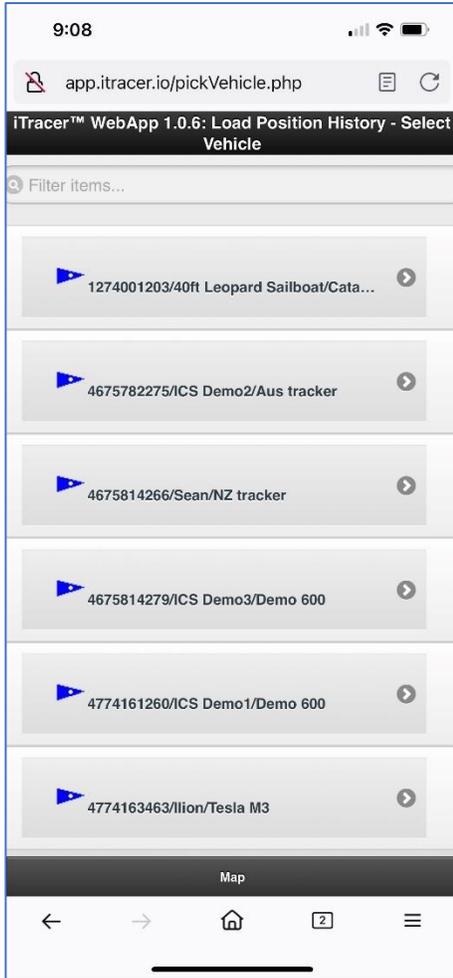
On systems that do not have a Google Maps application or the ability to geo-locate their position, the information will be transferred to Google Map within a new browser session (tab or window), allowing the user to independently review the location and its surroundings.

Clicking on the 'Map' button at the bottom of the page will take the user back to the WebApp screen.



WebApp Features – Load Position History

The Load Position History setup is done using two screens – the first is to select the vehicle, and the second to setup the Start and End or ‘From and To’ time frames to download data for.

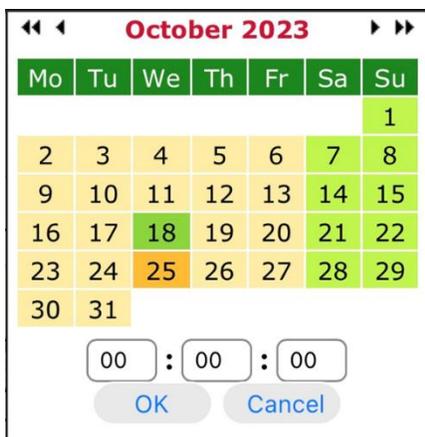
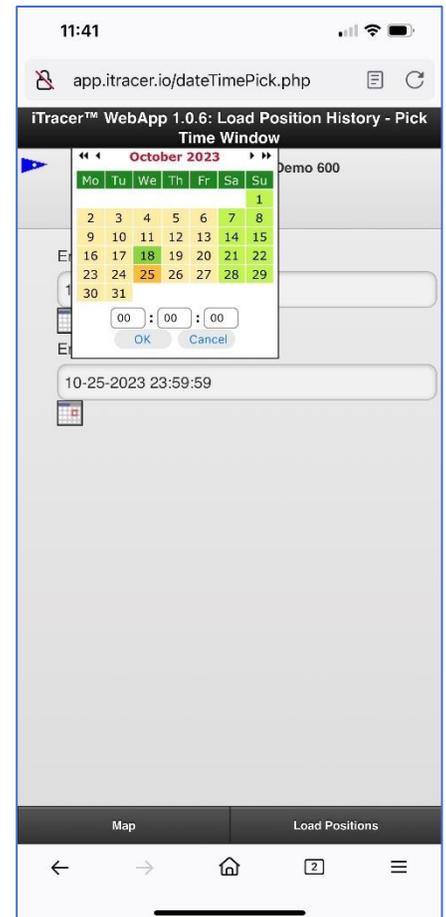


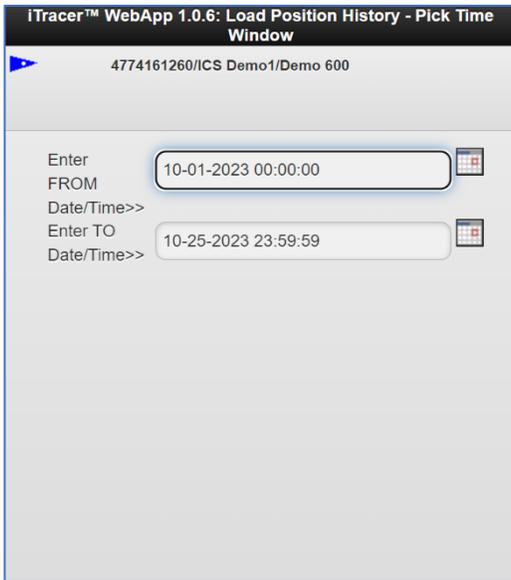
If you have a large number of vehicles and/or landmarks, there is a filter feature at the top of the page that can be used to help find a particular vehicle or landmark very quickly; similar to the same feature on ‘Locations’ and ‘Direction to..’ pages.

After selecting the vehicle, a new screen will be shown similar to the one shown below with the calendar information.

A default value for the beginning of the current day, and the end of the current day (relative to the user’s time zone) will be setup for the vehicle or device selected. If the user is interested in the movement history for today – then no additional selections will need to be made, and they can move directly to downloading position data.

If a different range is required, then the user may either manually type in the date and time (in the format shown in the entry fields), or a date/time picker can be used as shown below. The single arrow is used to change the month forward or back, and the double arrow is used to change the year. The date shown in orange will be today’s date, and the one in dark green is the date selected.



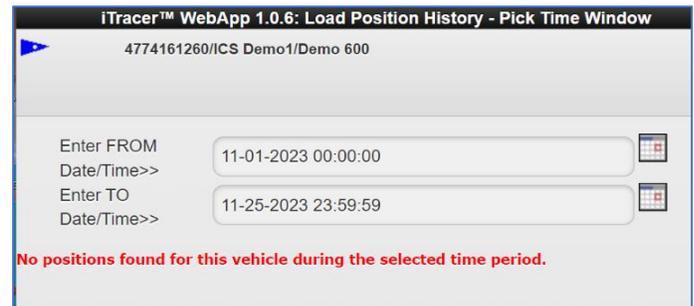


You can also modify the date format by hand – as long as the date time format is in the **MM-dd-yyyy hh:mm:ss** (using 24 hour time) format shown in the 'From' and 'To' time windows shown in the included screen shot.

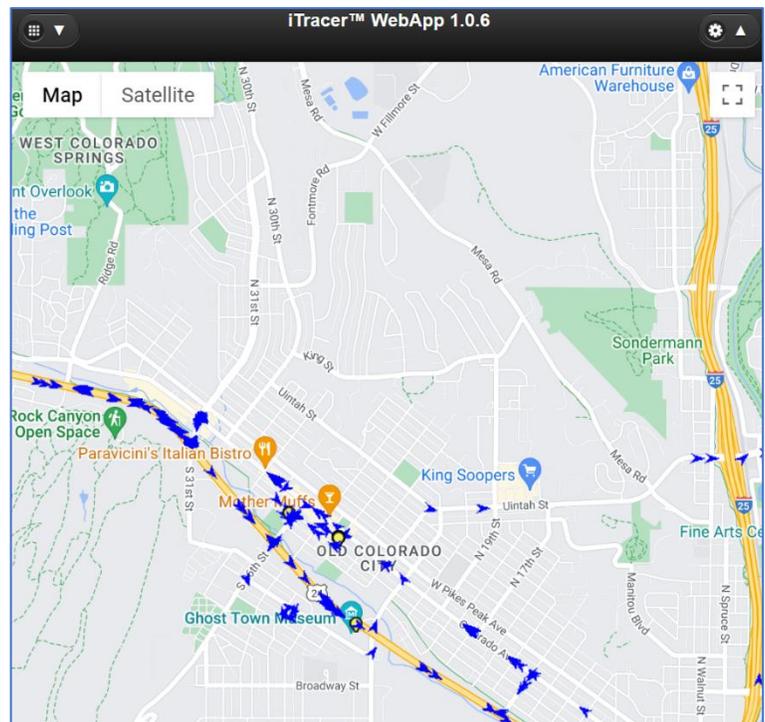
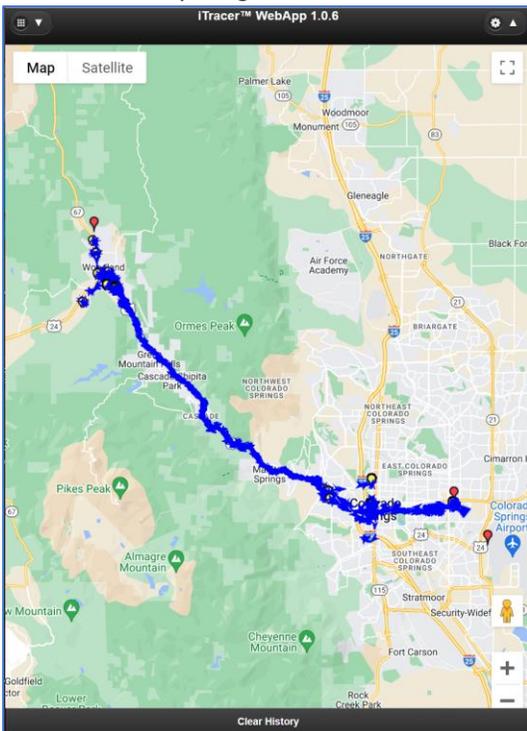
Keep in mind that the users account usually only stores about 60 days of positions, and the larger the number of positions you load, the more difficult it will be for the mobile device to render them in a reasonable time frame. We recommend no more than 1000 positions for each download. If you suspect you have more than 1000 positions in the time frame, then narrow the time frame to reduce the number of positions shown on the screen.

The system will also tell you if

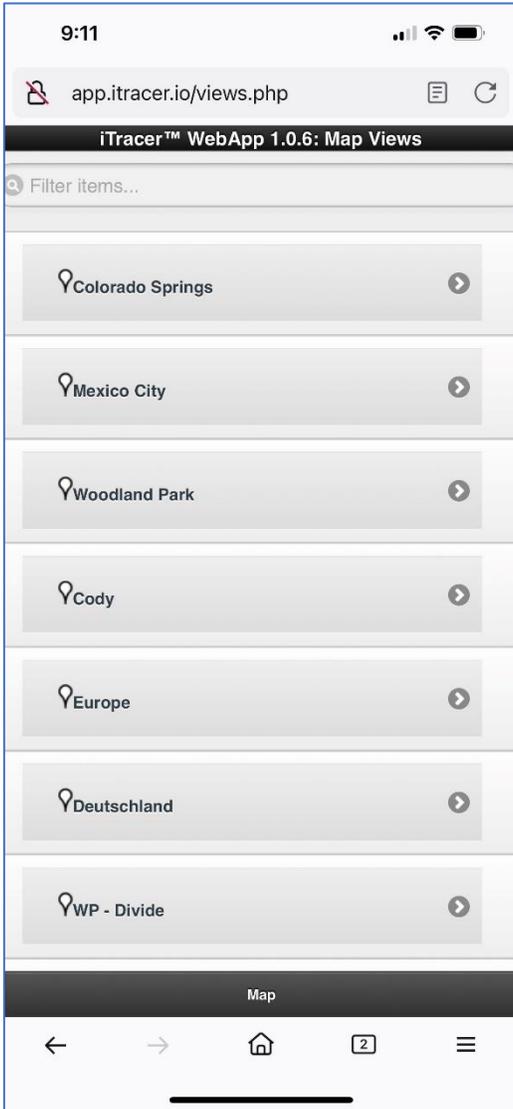
there are no positions for the device for the timeframe selected. You will need to widen your time frame till at least one position can be found for the device.



Clicking on 'Load Positions' for a vehicle with at least one position will generate a new map screen with the positions for the individual vehicle or device, along with all of the standard landmarks. Clicking on 'Map' will cancel the process taking the user back to the last map view with the newest set of position data. After loading position data the user can zoom in on or examine any of the moving (blue directional arrows) or stopped positions (yellow balloons). When the examination is completed the user can click on 'Clear History' to go back to the real-time positions mode of operation.



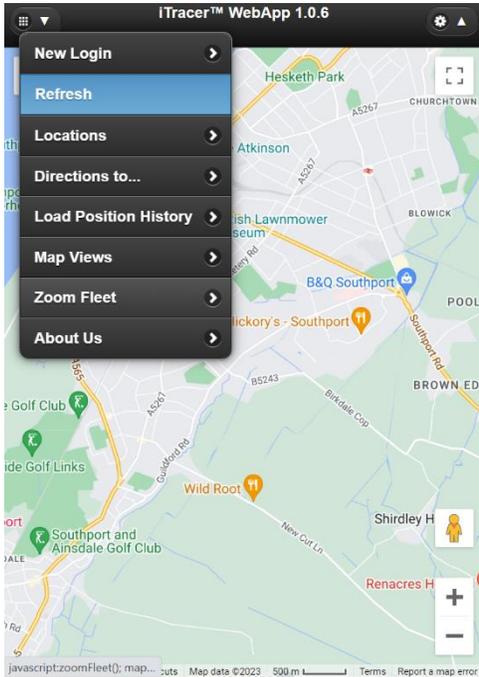
WebApp Features – Map Views



iTracer™ Fleet Executive™ can be used to setup ‘named’ geographical map views. These views can be accessed by the WebApp user to zoom in on particular areas of interest. The filter area can be used to sort through large numbers of views if necessary.

Clicking on the ‘Map’ button at the bottom of the page will take the user back to Map screen using their prior map view, without selecting a new map view from the list.

WebApp Features – Zoom Fleet/Positions

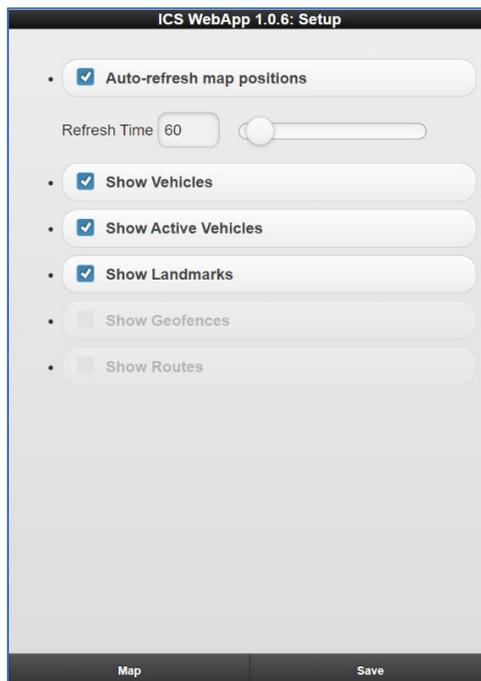
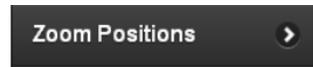


The user can zoom on their entire fleet by selecting the 'Zoom Fleet' button from the drop down menu.

If you have a large number of vehicles and/or landmarks, there is a filter feature accessed through the Setting button at the top left hand side of the page that can be used to help find active vehicles quickly.

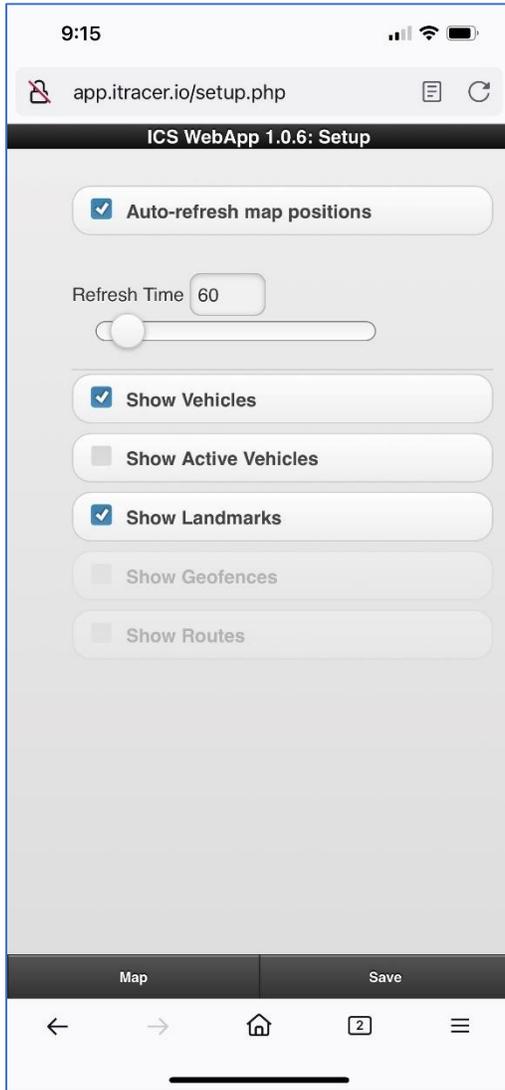
If the 'Show Active Vehicles' setting is turned on, then only vehicles or devices that have sent in a position for the past 24 hours (relative to the user's time zone) will be shown in the resulting map zoom – as shown below.

If the user is in 'position history mode', the 'Zoom Fleet' button will change to the 'Zoom Positions' button, and will allow the user to zoom on all of the vehicle/vessel positions:



(A fleet zoom is shown above for international positions, and another shown with 'Show Active Vehicles' selected)

WebApp Features – Filtering Vehicles or Landmarks



The 'Setup' page can be used to turn on or off the Auto-refresh feature, as well as extending it out to 300 seconds.

Show Vehicles, and Show Landmarks are turned on by default when the application initializes. However, these features can be selectively enabled or disabled by turning on or off the feature using the checkbox, and then clicking on 'Save' to store the information and returning the user back to their prior map view.

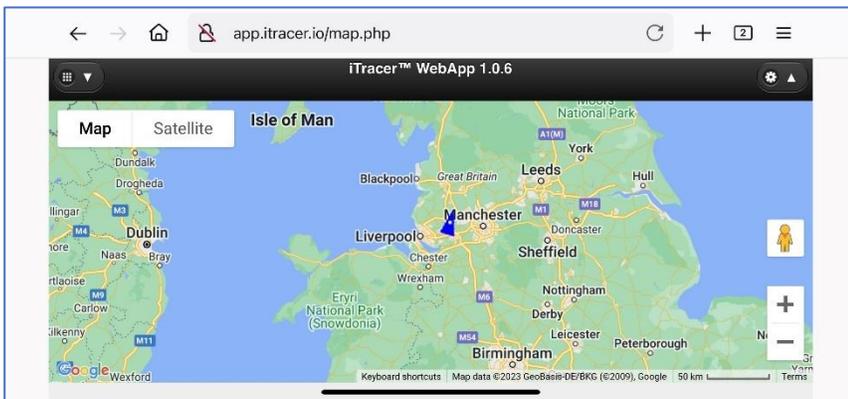
Clicking on 'Show Active Vehicles' will filter the fleet information provided to the user to only vehicles that have been active within the past 24 hours. The 'Show Vehicles' checkbox does not need to be checked for this feature to be active – as long as the 'Show Active Vehicles' checkbox is checked.

Clicking on the 'Map' button at the bottom of the page will take the user back to Map screen using their prior map view, without making any changes to the current setup.

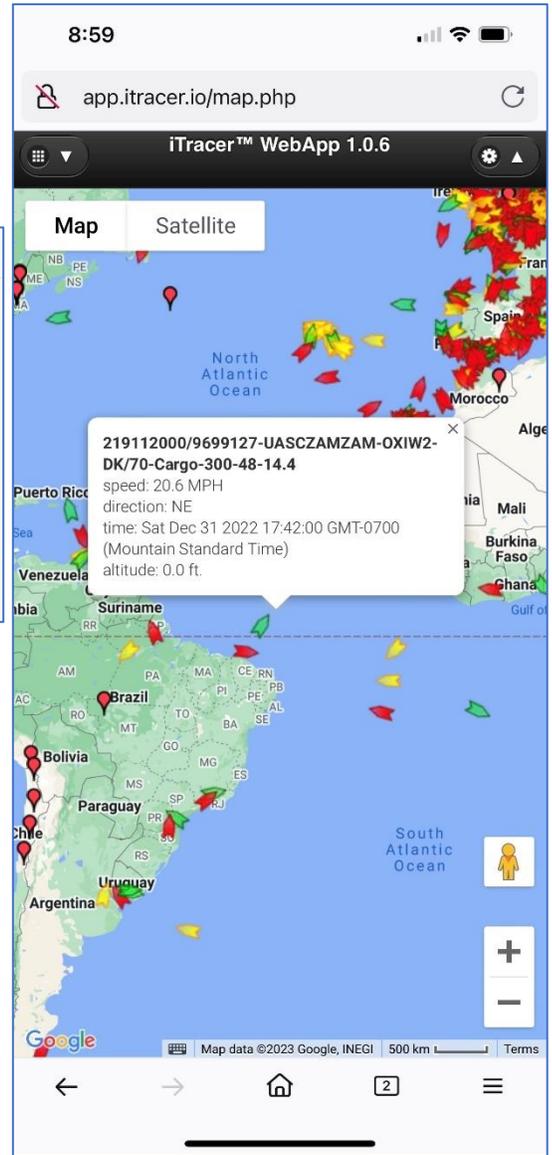
WebApp Features – Orientation changes

The WebApp application is designed to detect when the user’s orientation view has changed, in order to refresh the map view, or page view. However, the effectiveness of this detection varies from device to device. While the screen will refresh, in some cases not all of the new screen settings are identified properly. Usually an additional screen refresh once the orientation change has been made will correct this for the user/viewer.

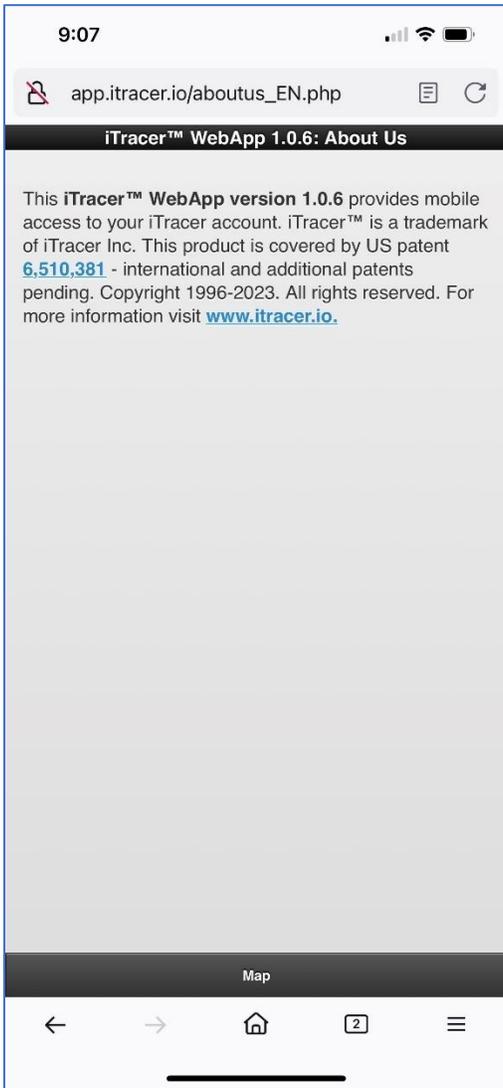
Also check the settings for your device to make sure orientation changes are allowed as you rotate the screen. For some devices this may require a setting change to the device.



(views of the vertical and horizontal map orientation display for the Apple iPhone®)



WebApp Features – About Us



The 'About Us' page provide information about our registered trademark, and patent regarding the functionality of the vehicle or handheld tracking devices, as well as the system that support them.

We encourage you to review this information for a better understanding of the proprietary information surrounding our product branding and functionality.

Our authorized and licensed users are protected by this branding, and by our patent, and significant prior art in the vehicle location market.

WebApp – Troubleshooting FAQs

Q: The map comes up, but I don't have any vehicles in the Locations screen?

A: Your account may be using a non-standard icon for the vehicle. Let us know your account information and we will create an update that resolves the problem for you. You can contact us at:

tech.support@itracer.io

Q: I get a gray screen instead of the map, what is the issue?

A: You may need to turn on 'cookies' for the site, or for your device. Also make sure that your device has the most current updates, and that the browser is HTML5 compatible.

Q: I have an Android tablet, and the drop-down menu disappears right after I click on the button. What is the problem?

A: Some older tablets have a bug related to the drop-down menu display. We have contacted Android to see if this is going to be resolved in a future update. This problem appears to be only related to these older devices.

Q: I have a fairly new device, and the map panning feature isn't available, and I can't easily pan the map from the device. How do I get this feature?

A: Using the device, go to <http://app.itracer.io/> and tell us what the ID of the device is. We can create an update that will include the map zoom or panning interface for your particular device type.

Warranty and Licensing

iTracer™ Software License Agreement (25012010-A)

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10 GOVERNING LAW

Any action related to this Agreement will be governed by Colorado law, excluding choice of law rules.

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