

SmartTruckRoute User Guide

Truck Specific Routing and Navigation App
for Apple iPhone and iPad



Introduction

SmartTruckRoute creates truck routes based on truck size, weight, hazmat level and routing preferences. SmartTruckRoute uniquely offers daily updated truck routes and temporary restrictions based on the latest information from Transportation Departments around the country, and driver feedback. The app




keeps you away from low bridges, and guides you around weight restrictions, and more. The SmartTruckRoute truck navigation app is easy to use, just speak or type the destination using your iPhone or iPad and within seconds you'll have a truck specific route with turn by turn directions.

Instructions appear on the screen and the app also talks to you as you drive. The app helps you avoid low bridges and use truck friendly roads.

SmartTruckRoute will adapt to the size of your truck or coach and give you the proper route based on the type of vehicle you are driving. You can specify your truck dimensions and weight, even your hazmat level for the most accurate route. Choose regular street

map view or navigate with satellite images for a more realistic view. SmartTruckRoute offers route choices helping you arrive to your destination on time and within budget. Stay safe and save money with SmartTruckRoute for your iPhone or iPad. Use the app as a primary means of navigation or a backup system, it's up to you.

About this Guide: (1) In general we will use the word iPhone to reflect both the iPhone and iPad. There is one section found towards the end of the guide that explains the small difference between the iPhone and the iPad with respect to using the SmartTruckRoute app. (2) The information symbol  letter (i) in a blue circle is depicted as (i)

in the guide. (3) The guide assumes familiarity with using the iPhone or iPad gestures such as "swipe". The guide is based on Version 7 of the SmartTruckRoute app.

Installation

Download SmartTruckRoute from Apple App Store.

Use the app free of charge from 1-2 PM and 1-2 AM EST, daily. Purchase a subscription outside of those times to continuously use the app for an unlimited number of route requests and navigation.

Before You Start

Turn on the following features using the Apple Settings menu.

Settings > Cellular Data > On - you must have a strong internet connection to create routes and navigate.

Settings > WiFi (optional) > On- Apple will use WiFi if available as you travel to enhance your GPS position.

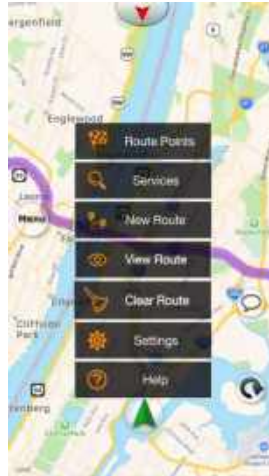
Settings > Privacy > Location Services > On - this function is required since to turn on the GPS.

First Use

The first time you start the app you will see some announcements, tips and warnings. You can choose to review the Tips one at a time, or Dismiss them. You can also turn off the Tips in the app Settings menu. You should see a small blue dot in the middle of your map screen indicating that your GPS position is locked in. If you don't see your position, please go back and review the Apple settings above. Once you are ready to create a route tap New Route. For detailed instructions see the section below called New Route. The SmartTruckRoute app will remain "live" while navigating regardless of the Auto Lock setting.

Main Menu

The SmartTruckRoute main menu gives you access to creating routes in different ways, program settings, and the Help menu which accesses the frequently asked questions section of the SmartTruckRoute website.



Main Menu

Route Points

The Route Points menu is used for multiple point routing. It is best to start with New Route and use Route Points when you are more familiar with the SmartTruckRoute app. This feature is explained in more detail in the discussion below about multiple point routing also known as “via point” routing.

Services

Find Truck Specific points of interest such as Truck Stops, Rest Areas, Weigh Scales and more, then use the Route To option to route directly to the desired point. Use the "filtering" system to narrow the results down to Truck Stops having the criteria you seek such as overnight parking, truck wash, wifi, and more. You can search by "Nearest" which means it will use your current GPS location to search for the services near you, or you can switch to searching near to another location by locating another city. The resulting list is arranged by distance from the point you selected. You can create a route directly to one the Services or use the included information to call ahead of your arrival. To display points of interest (we call them Services) you will use the Red Ribbon drop down menu to select the points to display. See Ribbon Menu below for more information.

New Route

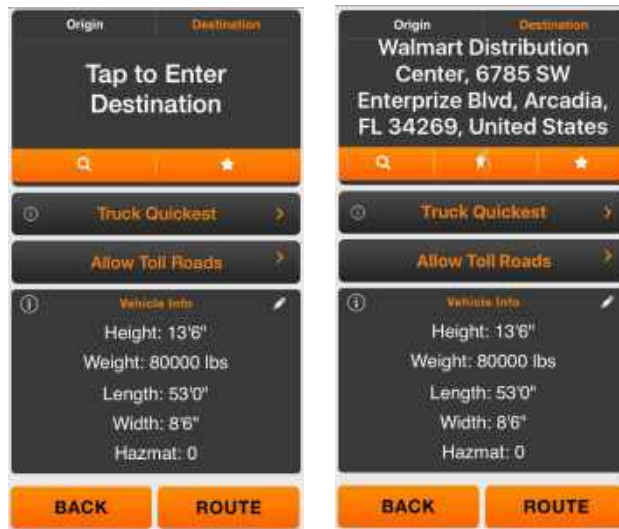
Destination

When the program is started for the first time you will see Tap to Enter Destination as the destination. You can change the destination by tapping on the "Destination" section of the screen or you can select the

Magnifying Glass icon to the left of the destination section. This will bring up a map with a search tool inside. Tap the empty space where the small magnifier glass is showing. A keyboard will appear.

Origin

Your “Origin” is assumed to be your current position. If you need to momentarily check a route from a different Origin, tap the Origin tab and enter the address to create a new starting point. Note that if you begin to move, the GPS will reroute you based on current position rather than the Origin you entered.



Create Route - Tap or swipe any field to change values

Keyboard & Microphone Use

Type or Speak the address or the name of the business you wish to find. Especially when searching for names of businesses be sure to also enter the city and state. Entering the zip code is optional. The system is using Apple maps to find your destination. Once the destination is selected, SmartTruckRoute contacts our proprietary truck routing servers to generate a truck specific route to your destination. To speak the destination, use the microphone icon (it's the symbol immediately to the left of the Space Bar on the keyboard). Tap Search (the button is found on the bottom right of the screen and turns blue). Select the resulting address and Tap OK.

Search Tool

Tapping the magnifying glass icon is another way to search for an address or business name to enter as a destination (or origin if you select the origin tab).

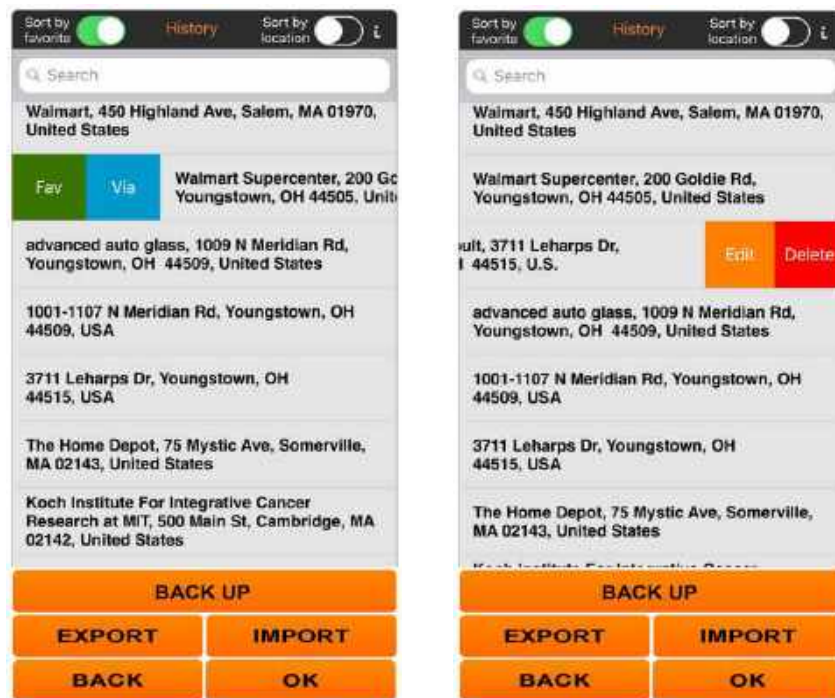
Route History

Tap the middle icon of the Yellow Star with a road running through for a short list of your most recent complete routes (including origin and destination). This can be helpful if you are training a new driver or need to submit information to a dispatcher. We call this “route history” and it is backed up periodically on line so that if you re-install the app you will still have access to this information. Keep in mind

however, the backup is not guaranteed, so you should use the Export feature within the history to email yourself a list of the routes for your safekeeping.

Destination History

Tap the Yellow Star found all the way to for a list of addresses and destinations you have found in the past. We call this “address history” and it is backed up periodically on line so that if you re-install the app you will still have access to this information. Keep in mind however that the backup is not guaranteed so you should use the Export feature within the history to email yourself a list of the addresses for your safekeeping. You can create favorites, assign names (edit), create via points, and delete points by swiping left and right on a specific entry.



Address History: Swipe right, swipe left

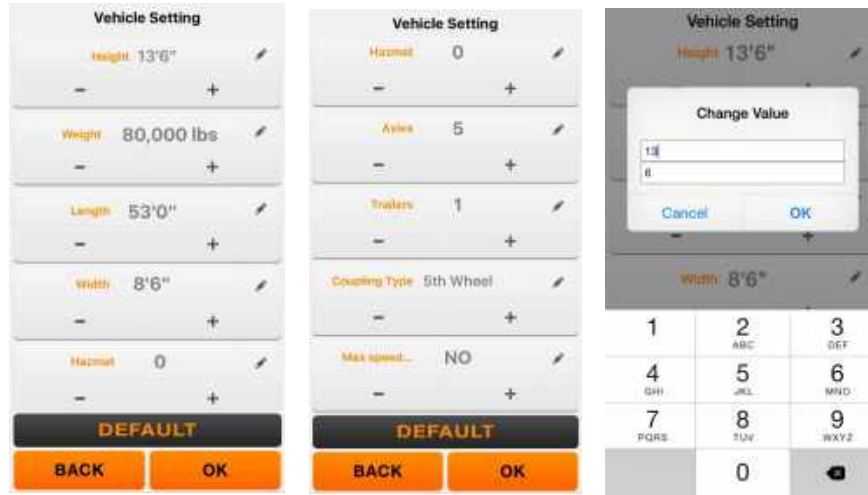
Create Route - Once the desired address appears in the Destination area, tap the Create Route button at the bottom right of the screen. The purple route line will appear on the map and a green arrow will appear at the bottom of the screen. Tap the green arrow to begin navigating. The app will speak to you and provide step by step instructions. To see the instructions, tap the Turn Instruction on the green area of navigation menu. The Route Details screen will appear with turn by turn instructions which you can review prior to beginning your trip or at any time during the trip.

Routing Preferences

The Routing screen will appear and you have the opportunity to change the routing preferences and vehicle settings by tapping or swiping the desired setting. Tap the letter (i) next the routing preference to learn more about the setting you have chosen. You can also specify toll road usage.

Vehicle Settings

The default vehicle settings are 13'6", 80,000 lb, 53', 8'6" and no Hazmat. If you care to change any of those values simply tap the vehicle information screen. Length refers to the trailer without the cab. Max speed refers to whether there is a governor installed. If the adjustments are minor, you can use the plus and minus signs to increase or decrease the values. If the adjustments are major, tap the value you wish to change and enter the new value. Tap OK to save the changes. The new values will stay in effect until you specifically change them again.



Vehicle Settings (scroll up to reveal all items) - Tap within each setting to change values

View Route

The View Route option is grayed out when no route has been created. The option becomes available after a route has been created. See the navigation panel discussion below for shortcut information on viewing the route.

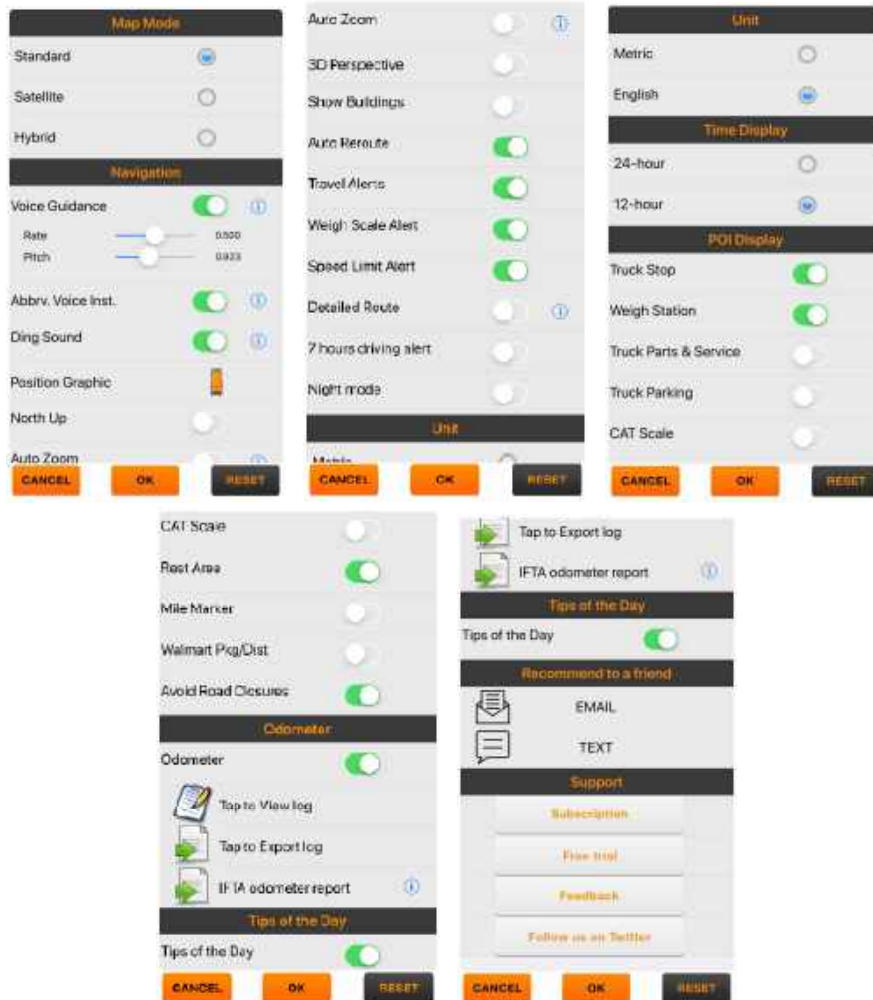
Clear Route

The Clear Route option is grayed out when no route has been created. The option becomes available after a route has been created. Routes are automatically cleared when a new route is specified, however in case you prefer to clear the route before proceeding, you have this option.

Settings

There are several sections of the Settings menu, allowing you to configure the program to your the way you like to drive. Note that if you want to change the Route settings you need to use the vehicle settings area described earlier under Vehicle Settings. Shown below are four screens but the Settings are all on one "page" you just need to swipe up and down to access the choices.

Tip - tap the blue letter (i) in the circle to learn more about the setting.



*Settings Menu - One continuous menu
shown here on five screens*

Map Mode

Standard - street view, uses least amount of data and is most clear for navigation

Satellite - earth view, uses more data than standard view but provides a detailed view of the area, often used when approaching a destination that is either rural or very complex.

Hybrid - combination of standard and satellite view, uses the most amount of data but provides the most realistic view especially when approaching a difficult destination.

Navigation

Voice Guidance - SmartTruckRoute uses the Apple Siri voice (in the U.S. the voice is female). Keep this feature turned on if you want to hear voice instructions as you drive. You can fine tune the way the voice sounds by using the Rate and Pitch settings described below.

Rate - adjust the speed at which the voice talks to you. Move the slider to the left to make the voice slower, move it to the right to make it faster.

Pitch - adjust how deep the voice sounds.

Sample - to hear an example of how the instructions will sound, tap the (i) in the blue circle to the right of the Voice Guidance setting, then tap Play to hear a sample of a set of navigation instructions so that you can decide if you want to adjust the Rate and Pitch. For example, you can adjust how fast the voice speaks and listen to the result before you start navigating.

Position Graphic - Swipe up and down to select from a variety of truck avatars for your enjoyment to show your current location while driving. The default is a green arrow, tap the arrow to see a variety of truck avatars. Select the avatar of your choice, then tap, Done.



***Position Graphic** - Swipe up and down to see various avatars, then select the avatar of your truck or keep the default green arrow.*

North Up - Normally you will want to keep this feature OFF which is the default setting so that the map will automatically orient itself in the direction of travel. You may want to use the North Up feature if you are trying to minimize data usage or if you prefer to see the map as if it was a paper map.

Auto Zoom - When Automatic Zoom is turned on, the map will adjust the zoom level based on your speed of travel. If you travel fast, the map will zoom out, if you travel slowly, the map will zoom in.

3D Perspective - When 3D is turned on you will see the map from a bird's eye view. The map will appear more slanted with more detail near your current position and less detail further away. We recommend that you keep this setting OFF as the route line may appear choppy at times. It is better to use the app in the default 2D mode at this time.

Show Buildings - In areas where building information is available, turning on this feature will give you a more realistic view of the area. This feature will consume more data so normally it is best to leave this feature turned off until it is necessary to use.

Auto Reroute – Keep this setting turned On to automatically re-route if you miss a turn or need to avoid traffic. Your new route will still be trucker friendly.

Travel Alerts – Keep this setting turned On so that you will have the option to see special road closures. See more detailed information below under the “Ribbon Menu” section.

Weigh Scale Alerts – Keep this setting turned On to be warned of upcoming Weigh Scale stations.

Speed Limit Alert – For most interstates and major roads speed limit (for trucks) turning on this setting will alert you when you are travelling above the speed limit.



Speed Limit Warning

Detailed Route – If you wish to receive detailed instructions while travelling, turn this setting “On”. The default is “Off” which minimizes the number of “Bear Left/Right” and “Continue” statements. If you wish to be warned about upcoming toll booths and railroad crossings, turn the setting “On.”

7 Hours Driving Alert – Turn the setting “On” if you want the app to approximate when you have driven 7 hours (to prepare for resting at 8 hours). You can also see the approximate predicted location of where you will be in 7 hours by checking the View Route menu details.

Night mode – Turn the setting ON to be directed to the Apple Settings for night mode.

Unit

Switch between U.S. and metric measurement systems.

Time Display

Choose between 12 hour and 24 hour time clock. The 24 hour time clock is often used outside the U.S. Within the U.S. it is also called "Military Time". For example, 1 PM would be 13:00. The 24 hour clock helps avoid confusion as there is no need to specify AM or PM.

POI Display

There are two ways to show the Points of Interest (POI). In the Settings section you can set the defaults to show only what you always want to see such as Truck Stops and Rest Areas. You can access the same menu by using the Ribbon Menu found at the top of the Map screen (it has a red arrow you can press to reveal the POI icons). See Ribbon Menu below for more detail. A note of caution, it is best to leave most of these turned off to conserve program memory and data usage. Display these points on an as needed basis using the convenient Ribbon Menu. Tap on the icon to display specific information about a point such as a truck stop.

Truck Stop - Displays truck stops (chains and independents).

Weigh Station - Displays weigh scales and will alert you when you are within 7 miles.

Truck Dealership - Displays truck dealerships which can be helpful for repairs.

Truck Parking - Displays locations where truck parking is offered. See specific point to find out if overnight parking is allowed.

CAT Scale - Displays CAT scale locations.

Rest Area - Displays Rest Areas.

Mile Marker – Zoom in to see mile markers. Since there are so many, we only show when you are sufficiently zoomed in so as not to clutter the map too much.

Walmart Pkg/Dist – Display Walmart distribution centers and Walmart Truck parking locations (not stores).

Avoid Road Closures – Turn the setting ON to view and avoid temporarily closed roads.

Odometer

Tap the field to display state mileage. The app will keep track of the number of miles driven in each state which is very useful for filling out fuel tax forms. Select “Tap to Export log” to have a copy of the state mileage to be sent to your email for your safe keeping and reporting.



Odometer Display by State - useful for IFTA reports

IFTA Odometer Report

To help you file IFTA out of state miles and gas expenditures, you can use the free IFTA reporting feature built in to the SmartTruckRoute app. Log into www.SmartTruckRoute.com/IFTA for a record of monthly and quarterly state mileage reports. Use your order number (which can be found at www.SmartTruckRoute.com/key) and your email address to access the report. You can record fuel purchases and update the records as needed. Detailed instructions are found on the login page. If you need assistance contact help@smartruckroute.com.

Tips of the Day

Leave this feature turned On to enable viewing a series of tips about using the app. Upon launching the app, you can view each tip one at a time or you can read a few and dismiss. Each time you launch the app a new tip will display.

Recommend to a friend

Email or text a friend to let them know about this app. The message will contain a direct link to the app on the Apple App store to make it easy for your friend to download. Thank you!

Subscription

Use this section to see when your subscription expires or to purchase or renew a subscription.

Feedback

Use the feature to communicate directly to the product support team for assistance using the app. You can submit your ideas for consideration in future software updates. Select TEXT or EMAIL as desired. We look forward to receiving your valuable input.

New Version Available in App Store

This option will appear only when there is a newer version available to download. (You will also have the regular notification from Apple about updates but this is potentially more convenient). Please note that new versions can sometimes take up to one week to be deployed throughout iTunes so check back a few days later in case you are not seeing the update when you visit the App Store.

Help

Displays Frequently Questions & Answers with Troubleshooting Tips from SmartTruckRoute website (you will need an internet connection to access the page) <http://smarttruckroute.com/iPhone-FAQ.htm>

About the Map and Navigation Screen

The app has two modes, Map Mode and Navigation Mode. Map mode allows you to pan and zoom in and out while Navigation Mode is automatic once a route is created and you tap the Green arrow. To return to Map Mode during navigation tap the navigation menu (any of the fields at the bottom of the screen), the Route Details page will appear, press any of the items on the turn by turn list to be taken back to the map. Tap the Menu button at any time to momentarily stop navigation.

The navigation screen will appear after you create a route and press the green arrow to begin navigation.

Push the green arrow that appears at the bottom of the screen to begin navigating.

Regardless of which mode you are in, you can also access the Ribbon Menu by pressing the red arrow at the top of the screen to reveal the truck services points of interest. The ribbon menu allows you to display gas stations with diesel fuel pricing as well as other truck specific points such as rest areas, truck stops, and more. See the Settings Menu for details about each of the points of interest.

After creating a route and pressing the green arrow, you will see a screen similar to what is shown below. The red letters are not part of the program; they are there in this user guide to help us let you know what each item on the screen is about. Look below to see a description of each item.



Map Mode - showing a route line, press the green arrow to begin navigation



Hybrid Map Display – Use the Hybrid map mode to see exactly how to enter your destination. Toggle the Map display icon to switch back to standard street mode.

After creating a route and pressing the green arrow (or truck avatar) you will be in Navigation mode.



Navigation Mode - Areas at the top and bottom form the Navigation Panel.

A. Main Menu - Create Routes, Search for Truck Services, Access Program Settings, and Help Menu.

B. Zoom In (will not be visible if Auto Zoom is selected)

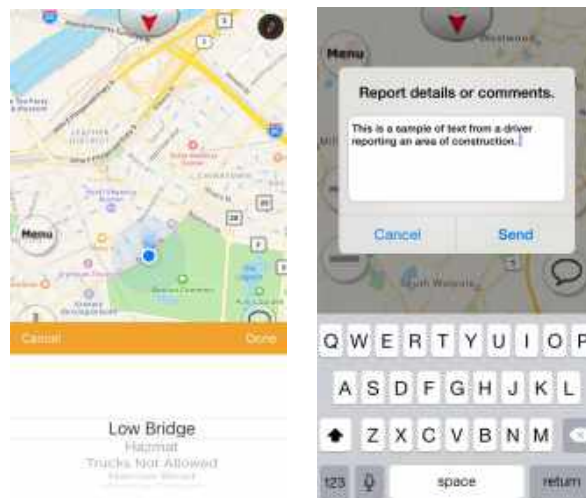
C. Zoom Out (will not be visible if Auto Zoom is selected)

D. Navigation Data - configure the two sections with the information you choose to see. Tap each of the boxes to change their values. Choose from Time to Destination, Distance to Destination, Speed, Estimated Time of Arrival, Heading, Current Time, Next Turn (in seconds/minutes), Altitude.

E. Reroute - initiates an immediate reroute rather than waiting for the automatic re-route

F. Driver Feedback -Use this feature to report an issue that effects routing such as a low bridge, narrow road, weight restriction, and more. Report the concern when it is safe to pull over or at a later time by pressing and holding (long tap) the area of the map where the issue occurs. Don't worry about trying to pinpoint the exact location, just make sure it is relatively close. Swipe up on the menu to reveal all the categories of report choices. Low Bridge, HazMat, Trucks Not Allowed, Narrow Road, Missing Feature, Busses Not Allowed, Weigh Station Info, Weight Restricted, Width Restricted, Sharp Turn, Other. You can use the comment section in case you want to give more detail. Our mapping team will check out the area and contact you if more information is needed. We endeavor to update our routing servers within 24 hours of a verified report. Other drivers will thank you!

G. Mini Next Turn – the gray arrow can be toggled to reveal the next two driving instructions so that you can remain on the map and avoid switching to another screen. If you prefer to see the entire list of instructions, see the section below “View Route Details”.



Driver Feedback Report

Press the “Cloud” icon to report a mapping or navigation issue.

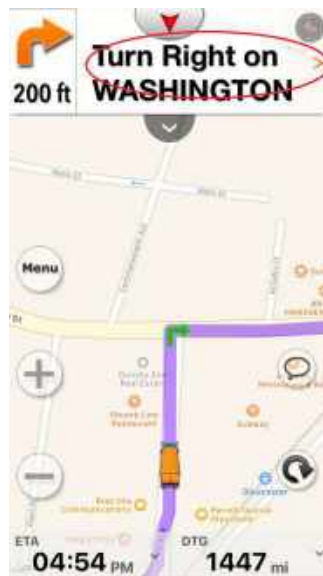
H. Upcoming Turn Distance - displays the distance to the next turn.



Repeat Voice Instruction

Tap the arrow (circled above) and hear a repeat of the last instruction.

I. Navigation Bar - displays the instructions to the next turn. Tap the large letters at the top of the bar (or the orange arrow on the right of the area) to reveal the step by step instructions, called Route Details.



Reveal Route Details: *Tap the area circled in red on the picture to reveal the entire Route Details screen.*



Tap the arrow to toggle the Mini reveal for the next 2 instructions.

Route Details

Scroll through the entire list of steps by swiping up. Tap on a specific instruction to see the location on the map.



Route Details: Swipe up to see the entire list.

Tap on any entry to return to the map.

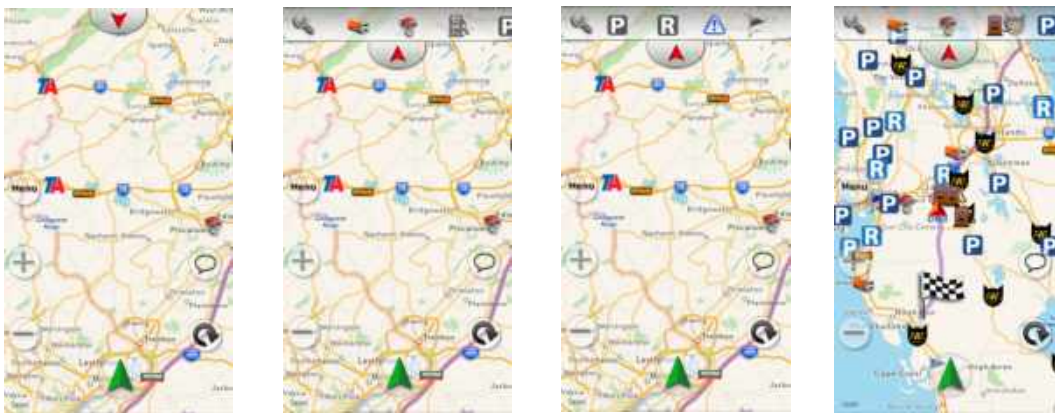
Lane Assist - Follow the orange arrow(s) to insure that you are in the proper lane. In this case three lanes continue straight while the fourth lane is the left turn lane which the driver should be using to make the next turn. This data is available for most interstate highways and some city streets.



*Lane Assist: Select the lane shown by the orange arrow.
In this case you should be in the far left lane.*

Ribbon Menu

Tap the Red arrow found at the top of the screen to reveal the points of interest. Swipe left to right to see all the items on the menu.



Ribbon Menu: Touch the red arrow to reveal a shortcut to showing truck specific points and fueling stations.

Icon Descriptions

Most of the items are already described above in the Settings section. This menu simply makes it quicker to turn on/off these displays if desired. The exceptions are listed below.

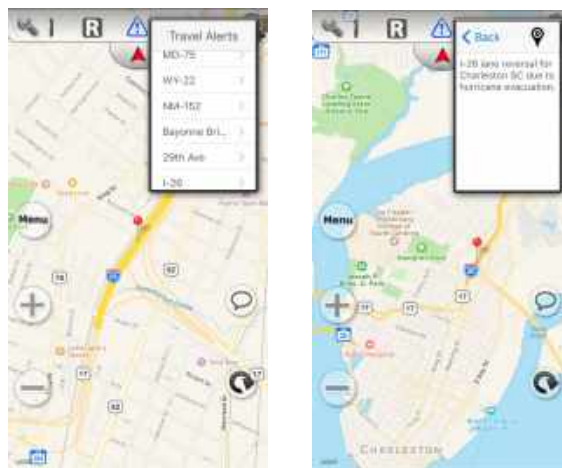
Magnifying Glass - Search tool, which produces the same results as the Services menu search, this is just a shortcut in case you prefer to search from the convenience of the ribbon menu.

Gas Stations - this will display gas stations that offer diesel fuel. Note that the Truck Stop fuel locations are displayed automatically from the Truck Stop icons. The gas station display is for non-truck stop locations.



Gas Stations with Diesel

Travel Alerts - the triangle icon after the rest area icon will reveal a list of known areas where there is a temporary travel alert. Press the map icon button to show the area on the map. Press the triangle again to make the menu disappear.



Travel Alerts

Alerts

As you drive you may see some notifications on the screen including error messages if you have no internet service, or loss of GPS signal. You will also see Weigh Scale warnings if you have kept that feature turned on in the Settings area. Finally, the app will warn you to plug into a power source to help avoid draining your battery.



Weigh Scale Alerts

Via (Multiple) Point Routing

In the situation where you need to make multiple stops before reaching your final destination, you can make use of the Via Point feature. There are three ways to via points along a route.

Method 1

1. Create a New Route to your final destination.
2. Menu > Route Points > Options
3. Keep adding additional points using "Add Points from History" or "Add New Address"
4. Options > Reroute after adding all the desired points (up to 9 points)
5. Press the Green arrow when ready to begin navigating

Method 2

1. Menu > New Route
2. Create Route
3. Menu > New Route > Select a point from your history (star), swipe left and select "Via" to add this stop to your route
4. Search for additional addresses (up to 9 via points) using the Finder tool (Magnifying Glass on the New Route page).

5. Swipe left to reveal the option of “Via” for each of the addresses you wish to add to your route.
6. Create Route.
7. Press Green arrow when ready to begin navigating
8. Optional – use the Route Points feature to re-organize the points. (See Method #1).

Method 3

1. Create Route
2. Long tap on the map the location where you want the via point to be, a menu appears, press “Route Via Location”
3. Continue adding points as in #2.
4. Press Route (green arrow) when you have finished adding points.

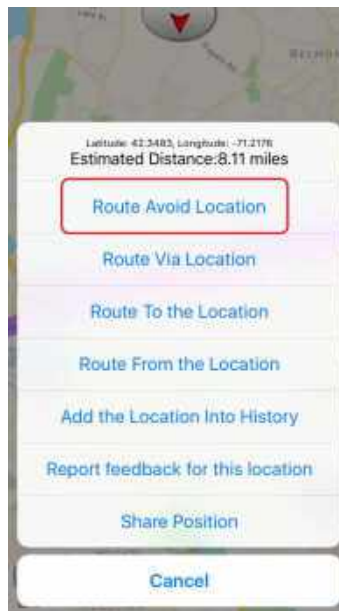
Regardless of the method you choose to add via points to your route, the points can be removed as you travel. As you approach each point, the navigation voice will alert you by announcing “Via point approached.” Touch the Via point flag (the blue flag on the right w/a slash through the flag). Follow on screen prompts.

Avoid Points

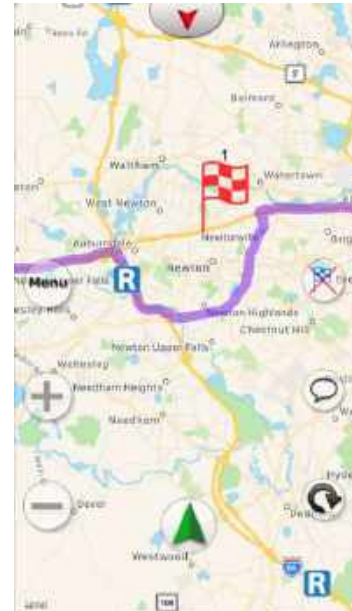
To avoid a specific point, long press the map screen and select Avoid Point. You will be routed around that specific point. If you need to avoid a larger area it is best to use the Via Point routing feature.



*Original Route
Straight line route*

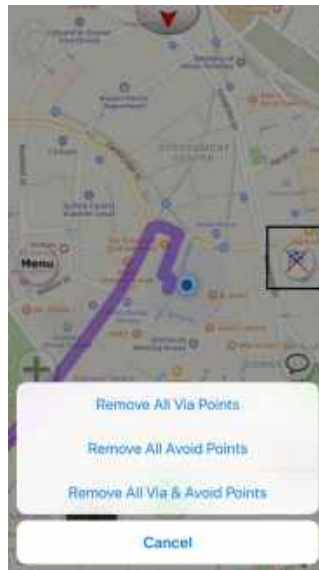


*Tap & Hold 2 Seconds
Reveals Avoid Point option*



*Point Avoided
Notice the “detour” curved line*

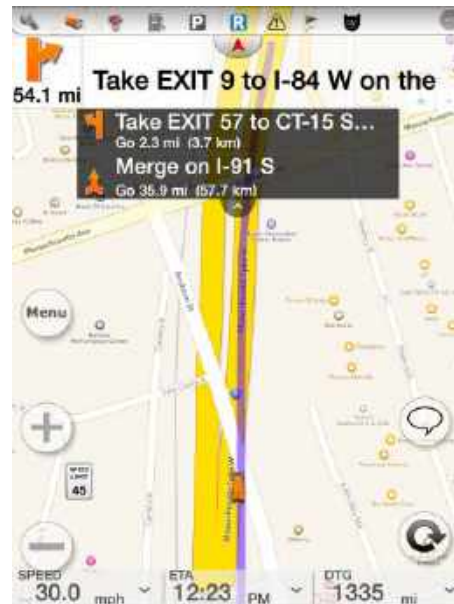
To remove the Avoid Point (or Via Point), press the Blue Flag with the X through the button. You will have a choice of removing all locations or just a single location.



Point Removal

Difference between iPhone and iPad

While you can use the iPhone program on the iPad, selecting the iPad version will give you higher resolution graphics. Currently the app is designed to work in portrait mode only. Landscape mode is under development. The iPhone has 2 blue navigation panel settings whereas the iPad has 3 areas since it is a much larger screen.

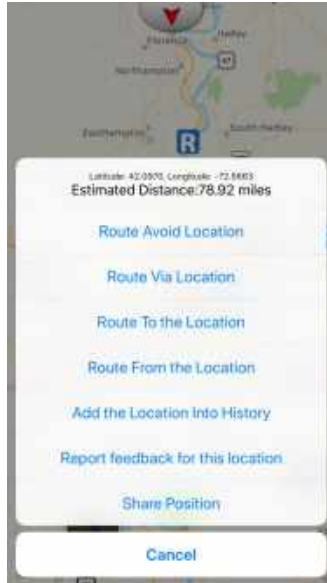


iPad Navigation

Panel offers three user configurable data displays

Special Features

While in map mode, tap and hold for 2-3 seconds (also called “long tap”) any place on the map to reveal some special features. You can see the straight line distance to any point on the map from your current position. You can route to or from the point or add the point into the location “History” within the app. Finally, you can share your position or report feedback (such as low bridge, narrow road, sharp curve, or other concerns) for the location. See the section above called “Feedback” for more detail.



Special Mapping Features
Long tap the map to reveal Special Features

Developer Support

We encourage developers and fleet owners wishing to integrate navigation using SmartTruckRoute to contact us for assistance in learning how to push destinations directly to SmartTruckRoute.

More Information

For the most up to date commonly asked questions and answers visit:

<http://www.smarttruckroute.com/iPhone-FAQ.htm>

You can also access the same information by installing the SmartTruckRoute app and tapping Menu then Help.

Support

From within the SmartTruckRoute app: Tap Menu > Settings > Feedback > Tap to Proceed. The system will create an email, tap Send.

Text Message to: (786) 445-0822

Telephone: (617) 542-6220

Email: iphone@smarttruckroute.com

Developer website: www.smarttruckroute.com

Last Revised: January 4, 2018