Sprint Navigation

powered by

telenav

Sprint Navigation™ v1.0

GPS Navigation Suite for the following devices:

LG

Fusic, Muziq, Rumor

Motorola

KRZR (k1m), RAZR (v3m), RAZR2 (v9m), SLVR (L7c), ic602, ic902

Samsung

m500, m510, m610, m620, a920

Sanyo

Katana, Katana DLX, M1, MM-7500, MM-8400, 3200, 7050

Available on the Sprint PCS® network

User's Guide

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1. Welcome

Sprint Navigation™ uses GPS position determination technology and access to Sprint's data network to provide you with driving directions and a host of other services, including:

- GPS navigation that gives you turn-by-turn directions to any destination address in the continental United States. If you miss a turn or get off-track, Sprint Navigation will calculate a new route for you. You can enter a destination address by using Sprint Navigation's automatic voice recognition system or by typing on the phone's keypad.
- Audio and visual traffic alerts while driving or viewing maps, as well as traffic rerouting capabilities to minimize delays on your trip.
- A Directory feature that allows you to find businesses or points of interest near your current location, near an airport, near a waypoint, or near any other entered address. You can easily call the business that you have found to check on the availability of an item or to make a reservation. You can navigate to the business location now or save the address for later use.
- Maps of the area around your current location, around a marked favorite, or around an address that you had previously entered. You can pan the map (adjust left, right, up, or down) and zoom in or out.
- The ability to personalize your application preferences by selecting U.S. customary or metric distance units, the language for audible guidance, and so on.
- A compass-like indicator presenting your direction of travel, location, and speed.
- You can also use many of Sprint Navigation's features on the Sprint Navigation website, like getting driving directions (Route Planning) and using the Directory to find businesses, churches, schools, and government offices. You can also use the Sprint Navigation website to add an address to your My Favorites list and manage your My Favorites and Recent Places lists.

2. Safety and Legal Notices

Please read this section carefully before using Sprint Navigation

Sprint and TeleNav will not accept any responsibility whatsoever for accidents resulting from failure to observe common sense precautions. Your personal judgment, traffic regulations, and common sense must always take precedence over any driving direction produced by Sprint Navigation.

WARNING: Keep your eyes on the road.

It is your responsibility as the vehicle operator to keep your eyes on the road and be an alert driver at all times, ESPECIALLY when the vehicle is moving. The vehicle operator should not be distracted by the application displays, by audible cues, or by manually interacting with the controls. When you need to enter data on your phone using the keypad or study the display, only do so while the vehicle is parked, not while the vehicle is in motion. Turn off your phone if your ability to drive responsibly is decreased by using the Sprint Navigation application.

WARNING: Install the equipment safely.

If you are using a phone mounting kit, make sure that it does not obstruct your vision. You may wish to charge the phone while using Sprint Navigation. If so, make sure that the charging cable does not interfere with any of the vehicle's controls.

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WARNING: Drive safely and use common sense.

The vehicle operator's personal judgment, traffic regulations, and common sense must always take precedence over the instructions provided by Sprint Navigation.

It is your responsibility as the vehicle operator to drive safely, observe all traffic rules, and use your own personal judgment while driving. If you feel that a route suggested by the navigation software instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area that you consider to be unsafe, do not follow the navigation instructions.

3. Data Service Options

The Sprint Navigation application that you install on your phone requires a means of accessing the public Internet, which is typically provided by Sprint's data network.

Sprint Navigation communicates with the Sprint Navigation servers to get routing, maps, and points of interest via Sprint's data network. You do not need to purchase additional data services if you already have a data or email services plan for your phone. However, if you do not already have a data or email services plan, you must order one from Sprint so you can use the Sprint Navigation application.

Sprint PCS

1-800-777-4681 (1-800-SPRINT 1)

4. The Phone Controls

The following keys on your phone are referenced in this manual as follows. Note that the placement of the keys may vary, depending on your phone model.

Left softkey The key in the upper left corner of the keypad.

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The left softkey performs the function directly above it on the menu bar at the bottom of the screen. The left softkey is typically used to go **Back** one screen, **Close** a screen, or **Exit** the application. In the illustration below, the left softkey takes you back to the previous screen (the Sprint Navigation Main Menu).

Right softkey The key in the upper right corner of the keypad. The right softkey performs the function directly above it on the menu bar at the bottom of the screen.

The right softkey is typically used as **Yes** or **Go** (usually the same as pressing the **OK** button), although sometimes it opens a special menu or puts the keypad in a different mode. For example, the right softkey switches you between alpha and numeric modes when you type information in a text field. In the illustration above, the right softkey executes the **Go** command and takes you to the My Favorites screen.

Back button The **Back** button is located below the right softkey. For consistency throughout the Sprint Navigation application, consider using the left softkey instead of the **Back** button to go back to the previous screen. The **Back** button is normally only used to delete entries in a text field.

OK button The **Menu/OK** button in the center of the circular navigation key.

Navigation keys The circular navigation key that surrounds the **OK** button. The navigation key has four possible choices—left, right, up, and down. These are referred to as the left navigation key, the right navigation key, the up navigation key, and the down navigation key.

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END key The **END** key returns you to the Sprint Main Menu (Preview). Pressing and holding the **END** key turns off the phone.

5. Installing Sprint Navigation

There are two different ways that you can install the application:

Method A

1. Navigate to the Sprint Main Menu.
2. Select the Web icon.
3. Scroll down to the Search box and enter “nav.”
4. Click **Search** button.
5. In the search results, click on Sprint Navigation and follow instructions to download.
6. When prompted for Network Access or GPS Access, select the setting that best fits your needs. Most users select “Always Allow” for ease of use.
7. Press the **END** key once to return to the Sprint Preview screen after installing the Sprint Navigation application.

NOTE: Holding down the **END** key too long will shut off the phone.

Method B

1. Navigate to the Sprint Main Menu.
2. Select the My Contents icon.
3. Select Applications.
4. Select Get New.
5. Select the Category “GPS: Navigate, Search & More.”

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6. Select the Category “GPS Navigation.”

7. Click on Sprint Navigation and follow instructions to download.

8. When prompted for Network Access or GPS Access, select the setting that best fits your needs. Most users select “Always Allow” for ease of use.

9. Press the **END** key once to return to the Sprint Preview screen after installing the Sprint Navigation application.

NOTE: Holding down the **END** key too long will shut off the phone.

6. Removing Sprint Navigation

To remove the Sprint Navigation application from your phone, do the following steps:

1. Navigate to the Sprint Preview screen.

2. Select the My Contents icon.

3. Select Applications.

4. Select the Sprint Navigation application.

5. Select Options by using the right softkey.

6. Select All.

7. Select Erase.

8. Confirm that you want to delete the application in the Warning screen.

NOTE: You must call Sprint to cancel your subscription.

7. Launching Sprint Navigation

To launch the Sprint Navigation application on your phone, do the following steps:

1. Turn on your phone.

2. Select the Main Menu icon when the Preview screen appears.

NOTE: If you are doing another function on your phone and want to go to the Preview screen so you can launch Sprint Navigation, press the **END** key once. As mentioned earlier, if you hold the **END** key down too long, it may shut off the phone.

3. Select the My Content icon.

4. Select Applications in the My Content menu.

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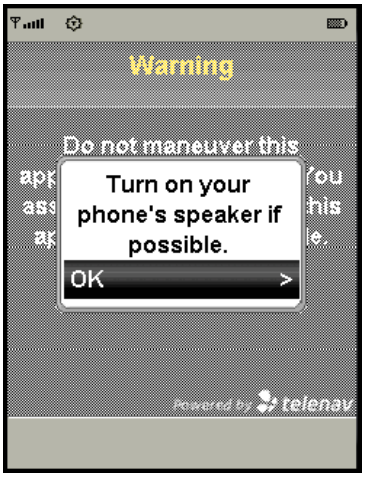
5. Select Sprint Navigation.

6. The Sprint Navigation splash screen appears.

   - If you have signed up for a data plan that gives you unlimited monthly access, you will go straight to the Warning screen (see next step).

   - If you have not signed up for a data plan that gives you unlimited monthly access, you will see a screen informing you that you have a one-day free trial. Clicking the **Begin free trial** option allows you to use the application for 24 hours from when you started (time is accrued even if you exit the application). You will go to the Warning screen after you accept the free trial.

7. The following message appears: “Turn on your phone’s speaker if possible.”



   Turn on the speaker if it is not already on. Then select the **OK** button and wait as the application downloads.

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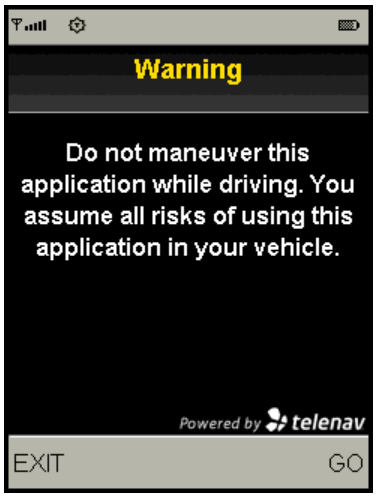
8. A warning message appears with a message similar to the following:

   "Do not maneuver this application while driving. You assume all risks of using this application in your vehicle."

   Press the left softkey to reject this warning and exit application startup, or press the right softkey to accept this warning and start Sprint Navigation.



9. The Sprint Navigation Main Menu appears.

Upgrade from Free Trial

If you do not have an unlimited-access monthly plan, you can only use the Sprint Navigation application for a brief trial period. When you launch the application again after you accept your trial period, you will either see a screen telling you how much time you have left, or a screen telling you your trial has expired.

When your trial has expired, you will need to purchase a plan. You can continue using Sprint Navigation on a daily basis, or you can contact Sprint Navigation Customer Support to purchase unlimited-access monthly plans. If you purchase a daily plan from your handset or have contacted a Sprint Customer Representative to purchase a monthly recurring plan, you will see the charges on your Sprint monthly bill.

NOTE: Clicking **Confirm Purchase** on the purchasing screen is irrevocable; once you confirm your purchase, you will be billed the amount you owe.

8. Sprint Navigation Main Menu - Overview

This section gives you a brief overview of the Sprint Navigation menus.

For step-by-step instructions about how to use Sprint Navigation, see the Quick Start section on page **15**.

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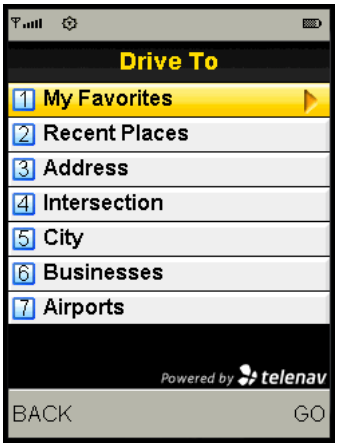
Main Menu

The Sprint Navigation Main Menu options are:

- Drive To
- Directory
- Maps & Traffic
- Tools/Extras

Drive To Menu



The Drive To Menu options are:

- **My Favorites** - Favorite places that you have found and saved in the past so you can quickly search for them. Your My Favorites list can grow to an unlimited length.
- **Recent Places** - Sprint Navigation automatically saves all of the places that you:

  -Found in a Directory search.

  -Viewed as a map.

  -Located using a street address, intersection, city, or airport.

NOTE: You can get directions to a Recent Place, view maps of the Recent Place, or save a Recent Place to your My Favorites list. Your Recent Places list can grow to an unlimited length.

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- **Addresses** - Enter a street address by typing or speaking. You can get directions, view a map of the address, or save the address to your My Favorites list. The address is automatically saved to your Recent Places list.

- **Intersection** - Enter an intersection by typing or speaking. You can get directions, view a map of the intersection, or save the intersection to your My Favorites list. The intersection is automatically saved to your Recent Places list.

- **City** - Enter a name of a city. You can get directions, view a map of the city, or save the city to your My Favorites list. The city is automatically saved to your Recent Places list.

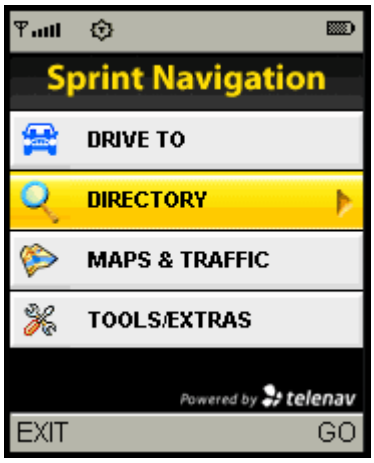
- **Directory** - Search the Directory and find the addresses and phone numbers of businesses such as restaurants, motels, and gas stations, as well as other places such as churches, schools, government offices, and police and fire stations.

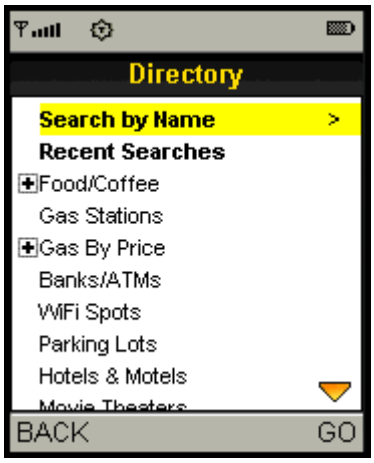
NOTE: Once you find what you are looking for, you can get audible and visual driving or walking directions, place a call, view a map, or save it to your My Favorites list. The Directory search result is automatically saved to your Recent Places list.

- **Airports** - Quickly find airports. You can get driving directions to an airport, view a map, or save the airport information to your My Favorites list. The airport is automatically saved to your Recent Places list.

For more information see Drive To Menu on page **16**.

Directory Menu





The Directory menu provides you with a few different ways to find the addresses and phone numbers of businesses such as restaurants, motels, and gas stations, as well as other places such as churches, schools, government offices, and police and fire stations.

Once you find what you are looking for, you can get audible and visual driving or walking directions, view a map of the location, or save the location to your My Favorites list. You can also place a call to make reservations.

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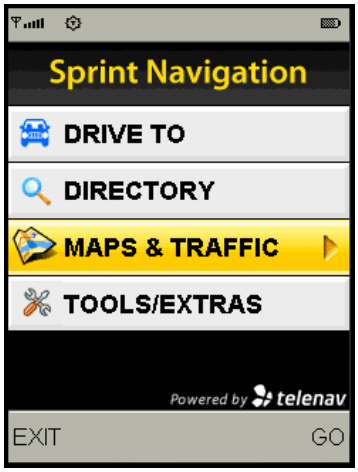
The result of every search is automatically saved to your Recent Places list. If you don't have time to save the result of your Directory search to your My Favorites list, you can easily go into your Recent Places list later and save the location to your My Favorites list.

For more information, see Directory Menu on page **39**.

Maps & Traffic Menu



You can use the Maps & Traffic menu to view a map and traffic information for one of the following:

- Your Current Location
- A Favorite Place
- A Recent Place
- An Address
- An Intersection
- A City
- A Business or other entity (this is the same as the Directory menu option)
- An Airport

For more information, see Maps and Traffic Menu on page **40**.

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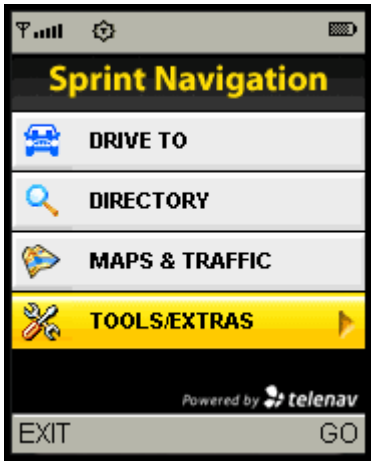
Tools/Extras Menu



The Tools/Extras menu has the following options:

- Record Location
- Compass
- Preferences
- Contact
- Give Feedback
- About

For more information, see Tools/Extras Menu on page 44.

9. Using Sprint Navigation

You can use Sprint Navigation for many business and personal functions, including:

- Finding businesses, churches, schools, government offices, police and fire stations, etc.
- Getting audible and visual driving directions to virtually anywhere in the United States within a Sprint coverage area.
- Making reservations at restaurants, motels, and hotels.
- As a replacement for paper maps.
- As a personal information manager to keep a My Favorites list of places that you've visited or called.
- To view traffic information for a certain area or route.

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For example, you can use Sprint Navigation to find a motel, save the motel's location to your My Favorites list so you can easily find it again later, call it and make reservations, then get audible turn-by-turn and visual directions to the motel.

You can also search for a particular type of business closest to your current location or closest to another location. For example, you could search for a Mexican restaurant closest to your current location or closest to the motel at which you just made reservations.

In addition, you can also search for locations along your route. For example, you can search for all of the gas stations that sell your favorite brand of gas on your route between Dallas and Houston.

See the Quick Start section on page **15** for tutorials that show you how to use Sprint Navigation's features.

Quick Start

The tutorials in this section get you up and running quickly so you can:

- Get driving directions (see page **16**).
- Get initial driving directions (see page **21**).
- Refine your GPS point of origin (see page **22**).
- Understand the meaning of various audible guidance tones (see page **22**).
- Miss a turn? (see page **22**).
- Change navigation options like your origin, destination, or route style (see page **21**).
- Learn about navigation views such as map options, itinerary lists, and searching for locations along a route (see page **22**).
- Enter a Drive To address by typing or speaking (see page **30**).
- Save locations to your My Favorites list so you can find them later (see page **35**).
- Delete locations from your My Favorites list (see page **36**).
- Select recent locations from your Recent Places list (see page **37**).
- Search the Directory to find businesses, churches, schools, government offices, police and fire stations, and other entities (see page **39**).
- View maps (see page **40**).
- Call locations that you've found, such as restaurants, motels, stores, etc. (see page **44**).
- Take an incoming call when you are using Sprint Navigation (see page **48**).

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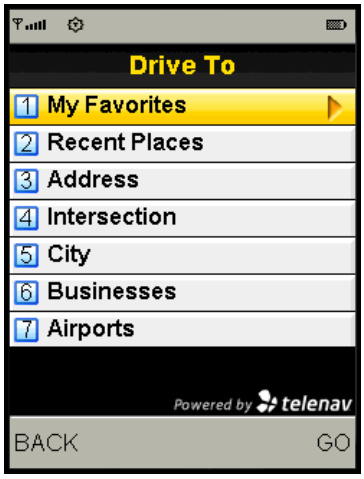
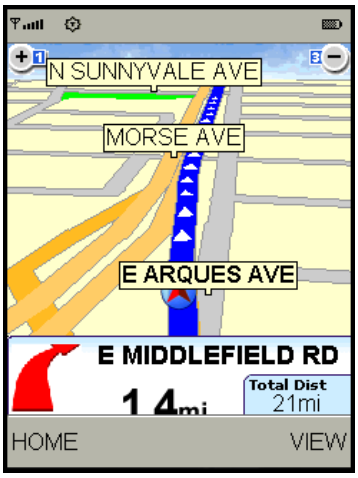
- Change your PIN number (see page 48).
- Interruption other phone services (see page 49).
- Exit the Sprint Navigation application (see page 49).

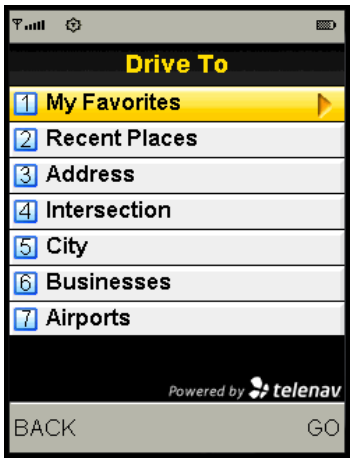
10. Drive To Menu



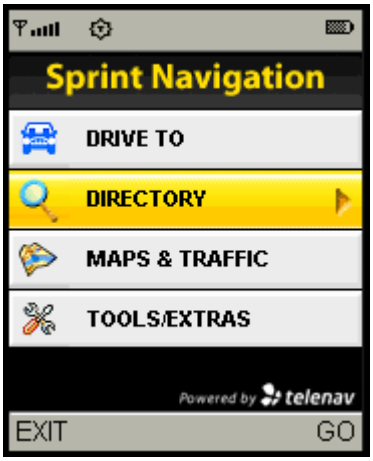


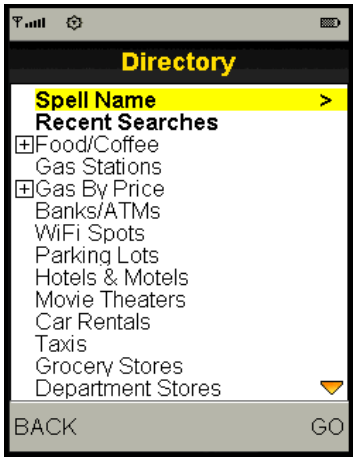
There are several ways to get driving directions to a desired location (follow the "see page" links for details about these features).

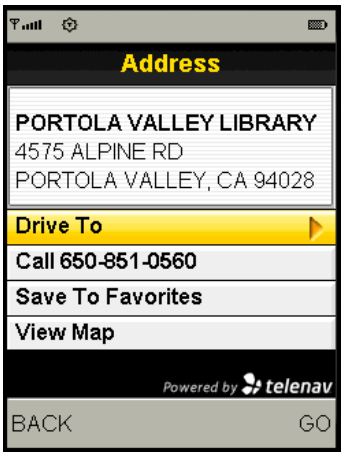
1. Select the Drive To option from the Sprint Navigation Main Menu. Then select one of the seven Drive To menu options shown below (see page 16).



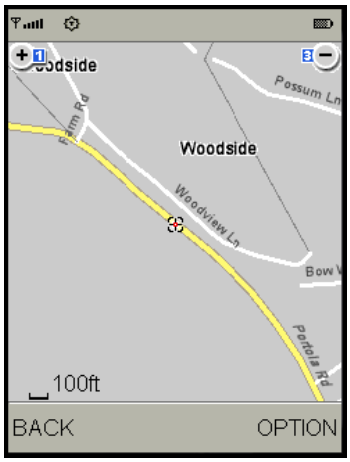
2. Select Directory from the Sprint Navigation Main Menu, search for a location, and select Drive To (see page 39).



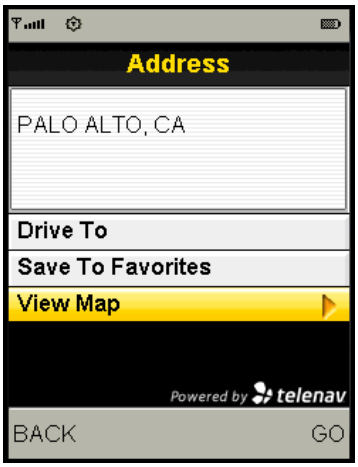


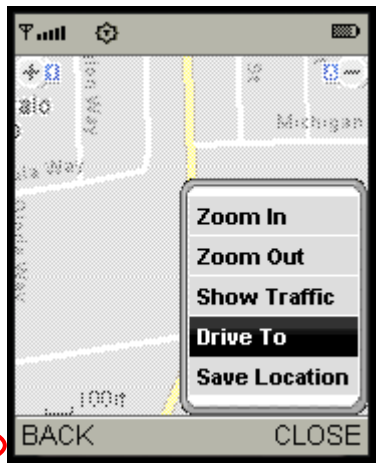


3. Select Maps & Traffic from the Sprint Navigation Main Menu and select one of the menu options in the Maps screen shown below:



4. From an Address screen, select View Map > select Option menu > select Drive To (see page 41):





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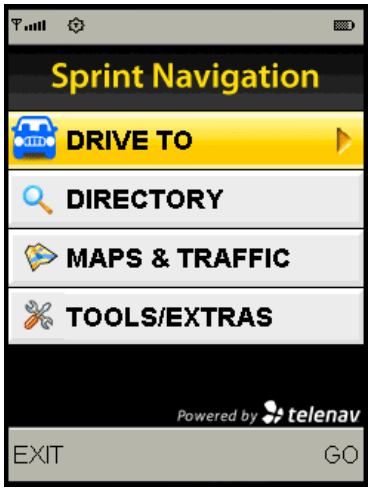
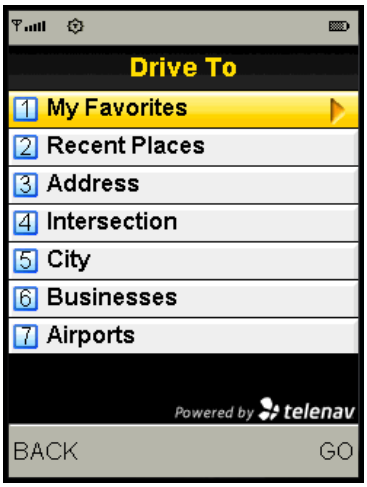
To use the Drive To menu, do the following steps:

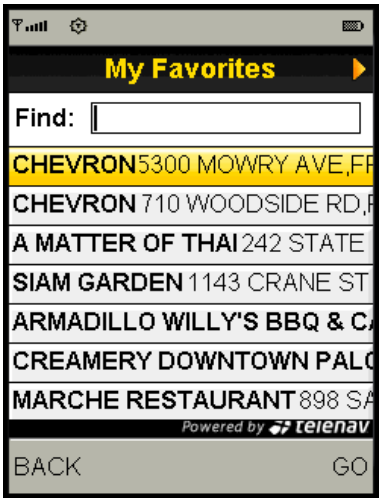
1. Select Drive To from the Sprint Navigation Main Menu.



2. Select one of the following options from the Drive To menu as shown in the illustration to the right and discussed below.



My Favorites



In the My Favorites screen, press the down navigation key until you highlight your desired location. Then press the **OK** button.

Your My Favorites list can grow to an unlimited length. If your My Favorites list gets very large, it may be easier to use the Find function to find your desired Favorite. To use the Find function, enter one or more alphanumeric characters in the Find text box. Then press the **OK** button.

You have four options when you select a Favorite: 1.) Drive To (to get driving directions to this location), 2.) View Map (to view a map of this location), 3.) Rename the Favorite, or 4.) Delete the Favorite.

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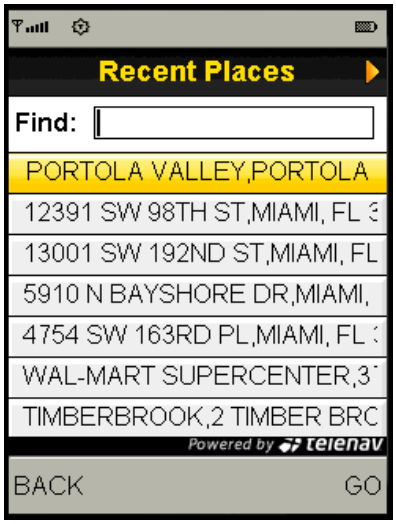
Recent Places



In the Recent Places screen, press the down navigation key until you highlight your desired location. Then press the **OK** button to go to the Address screen for this location.

You have four options from the Address screen: 1.) Drive To (to get driving directions to this location), 2.) View Map (to view a map of this location), 3.) Save To Favorites (save this Recent Place to your My Favorites list), or 4.) Delete (delete this Recent Place from your Recent Places list).

Selecting Drive To from the Address screen takes you to the Directions screen.

Your Recent Places list can grow to an unlimited length. If you have a large Recent Places list, it may be easier to use the Find function to find your desired Recent Place. To use the Find function, enter one or more alphanumeric characters in the Find text box. Then press the **OK** button.

Address

Enter a street address by typing in the appropriate fields as shown above. Then press the **OK** button twice. Partial entry (5 or more letters) is okay for the street name. After your location appears, you have three options: 1.) Drive To (get directions), 2.) Save to Favorites (save the address to your My Favorites list), or 3.) View a Map of the address. You can also enter an address by speaking (see page **33**).

Sprint Navigation checks to see if the address that you entered can be found. Sprint Navigation prompts you to modify the address if the address is too new to be found in the mapping database or if the street number cannot be found for some other reason (i.e., if the street number does not exist).

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Intersection

Enter an intersection by typing as shown above and pressing the **OK** button twice. You can also enter an address by speaking (see page 33).

Sprint Navigation checks to see if the intersection that you entered can be found. Sprint Navigation prompts you to modify the name of the intersection if one of the streets does not exist, if the streets do not cross, or if the address is too new to be found in the mapping database.

You have three options when you select an intersection: 1.) Drive To (get directions), 2.) Save to Favorites (save the address to your My Favorites list), or 3.) View a Map of the address.

City

Type the name of a city in the City field. The City field has an auto-fill feature, so you usually will not have to type the whole name of the city or the name of the state. If the city that you are looking for appears in the drop-down list box under the text field, you can press the down navigation key until you highlight the desired city and then press the **OK** button.

If you have to type the whole name of the city, do so in the City field and press the **OK** button. Press the down navigation key to place the cursor into the State field that appears. Type the two-letter abbreviation for the state if you know it, or spell the whole name of the state if you do not. Then press the **OK** button. Press the down navigation key to highlight Done and then press the **OK** button.

You have three options after you select a city: 1.) Drive To (get directions), 2.) Save to Favorites (save the address to your My Favorites list), or 3.) View a Map of the address.

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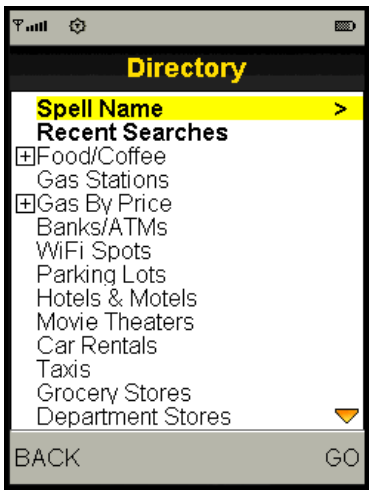
Businesses



Navigate to your desired location in the Directory and then press the **OK** button to select it.

You have four options when you select a desired location: 1.) Drive To (get directions), 2.) Call the location, 3.) Save to Favorites (save the address to your My Favorites list), or 4.) View a Map of the address.

Airports

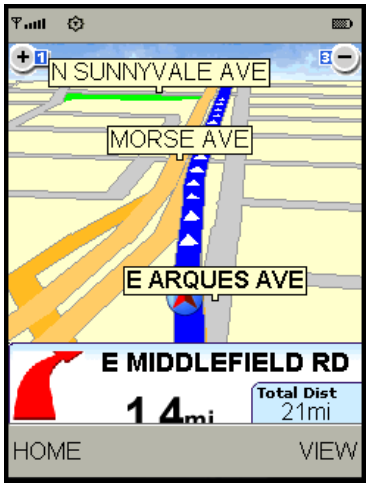
Type the three-letter abbreviation of the airport, or type the whole name of the airport > press the **OK** button > press the down navigation key to highlight Done > press the **OK** button.

If a drop-down list appears with the name of the airport, you may be able to save time and keystrokes by pressing the down navigation key to highlight the name of the desired airport and then pressing the **OK** button.

You have three options after you select an airport: 1.) Drive To (get directions), 2.) Save to Favorites (save the address to your My Favorites list), or 3.) View a Map of the address.

NOTE: If you are not sure of the street that you are on, simply start driving. Sprint Navigation will revise its estimate of your location and provide you with a new route if needed.

Initial Driving Directions



Within a few seconds of selecting a Drive To location, Sprint Navigation calculates what it believes to be an optimal route to your destination and tells you how to start your trip from your current location.

If you are not moving, Sprint Navigation may not know your direction of travel, so the first few driving directions may be incorrect since Sprint Navigation may initially make an incorrect assumption. However, once you start moving, Sprint Navigation learns your direction of travel and provides an updated set of driving directions.

For more information about navigation views, see page 23.

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GPS Origin Refinement

If you are using GPS navigation and you are in a parking lot or similar area where your location does not exactly map to a specific street, you may see a pop-up that shows Sprint Navigation's best estimate of which street you are on. This gives you the opportunity to change the starting street.

If you elect to change the starting street, a list of neighboring streets appears, and you can make an alternate selection from the list. If you do nothing, the first pop-up disappears after a few seconds, and Sprint Navigation uses the default street as the starting location.

If you are not sure which street you are on, simply start driving. Sprint Navigation detects your current location and recalculates your driving directions as needed.

Audible Guidance Tones

Sprint Navigation application delivers audible guidance tones (beeps with a recognizable pitch) as you drive in addition to spoken audible directions. A preparatory audible tone is typically heard no less than 30 seconds before reaching a turn, and an action audible tone is typically heard no less than 10 seconds before reaching a turn. The preparatory audible tone may not be sounded if the distance to the next turn only allows time for the action tone.

The lead times for the audible guidance tones are increased proportionally to your driving speed. For example, this allows more time for changing lanes before a turn if you are driving at highway speeds as opposed to driving more slowly on local streets.

Miss a Turn?

Whenever you miss a turn, turn the wrong way, turn too early or too late, or otherwise get off the planned route to your destination, Sprint Navigation automatically creates a new route to your desired destination and an audible tone announces that a new set of instructions is available.

If you realize you have missed a turn or have otherwise gotten off the route, just keeping driving. Sprint Navigation detects your current location and recalculates a new set of driving directions to get you back on track.

It may take approximately 15 to 30 seconds for Sprint Navigation to update your route. If during this process you make additional deviations from your current route, Sprint Navigation may have to contact its servers for another new route.

Since Sprint Navigation requires access Sprint's network, if you are off route and outside of the carrier's coverage area, you must return to Sprint's coverage area in order for Sprint Navigation to recalculate your route.

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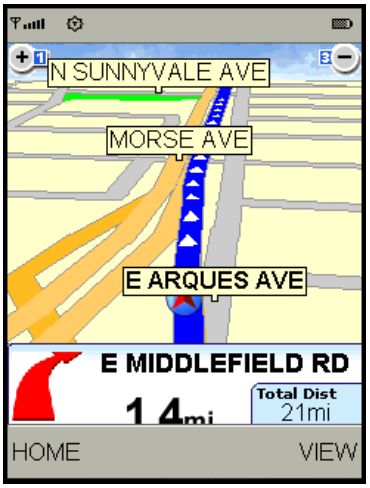
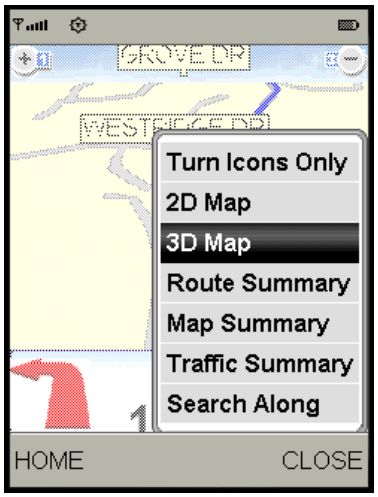
Navigation Views

The default navigation view is 3D moving maps, but you may wish to use another option when you are navigating. Pull over and stop your vehicle in a safe place before changing navigation options. You may even wish to plan your trip before you start by looking at other navigation views.



You can access other navigation views after you start a navigation session, for example from the Drive To menu. Press the right softkey to select the View menu.

Use the up and down navigation keys in the View menu to select the desired navigation view. Then press the **OK** button.



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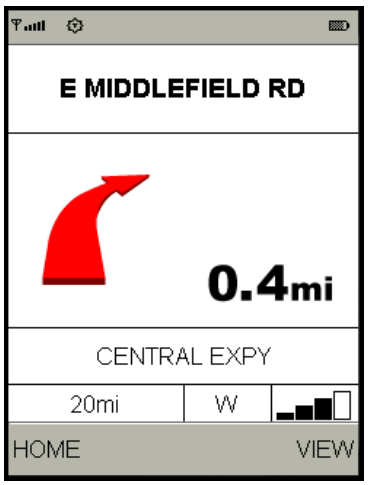
The View menu has the following options:

Turn Icons Only

Turn icons without maps.

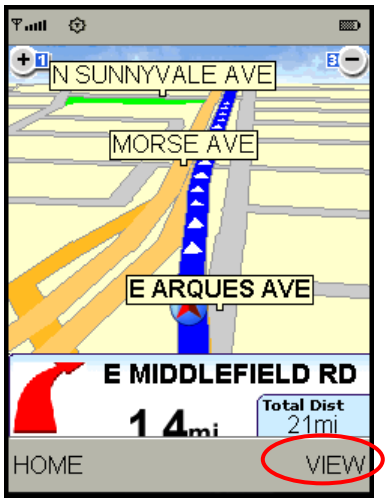


2D Map

A 2-dimensional map with turn icons.

3D Map

A 3-dimensional map with turn icons (default).



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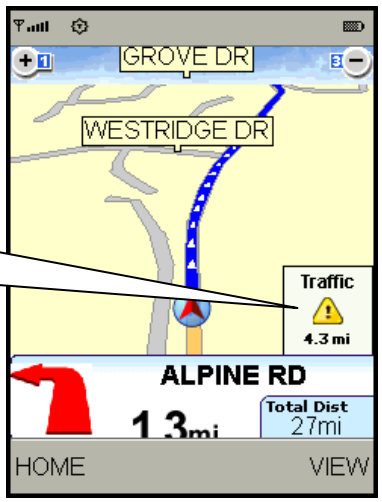
When you are viewing moving maps during navigation, a Traffic Alert icon will appear at the bottom-right corner of the map if there is an accident less than 15 miles ahead of your current route and the Traffic Alerts preference is turned on. You will see the distance along the route until the accident and hear an audio warning.

(Audio)
"Accident 2.3 miles ahead on US 101 at Lawrence Expressway; 1 lane closed."



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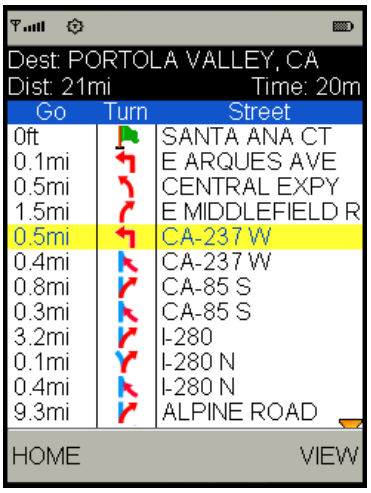
Route Summary

A text listing of every turn for this navigation session from your starting location to your destination along with mini turn icons.



Map Summary

The entire route from your starting location to your destination is drawn on a map, complete with the latest traffic alerts and traffic flow information. The route is displayed as a blue line connecting the Start and Finish flags. Highways and major roads with traffic flow information are color-coded by speed in each direction of travel:

Speed	**Road Color**
> 50 mph	Green
30 – 50 mph	Yellow
< 30 mph	Red
Unknown	Grey

1. Click the OPTION softkey to “Hide Traffic” or “Show Traffic” (depends on availability).

2. Use the 1 and 3 number keys to zoom in and out of the map. Use the navigation arrow keys to pan the map.

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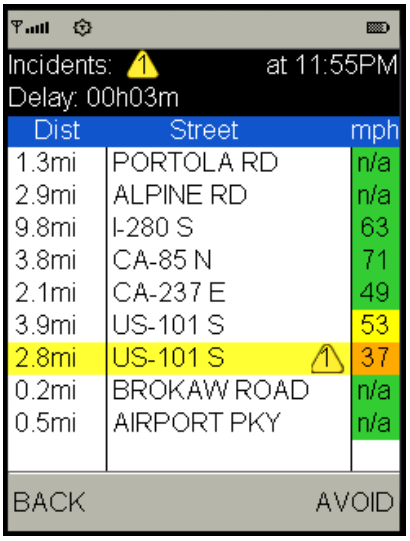
Traffic Summary



Displays overall delay from traffic, a summary of incidents on the route, and the average speed for each segment where available. You can click on any line to view more details.

Below is an explanation of what you will see on the Traffic Alert screen:

- **Incidents** (triangle icons) **-** Total number of remaining incidents directly along the route. The color of the triangle indicates incident severity:

Color	Severity
Yellow	Only Minor incidents
Orange	At least one Major incident, no severe incidents
Red	At least one Severe incident

- **Delay -** Total time delay caused by traffic conditions, or the sum of delays on each segment.

NOTE: Delay refers only to the route currently shown.

- **Dist. -** Distance of road segment.

NOTE: This is not the distance from the origin but the length of each road segment.

- **Street -** The street or highway name of the road segment.

- **Mph/Kmph -** Average speed on that road segment.

NOTE: "N/A" is displayed for segments farther than 200 miles away or for segments where information is not available.

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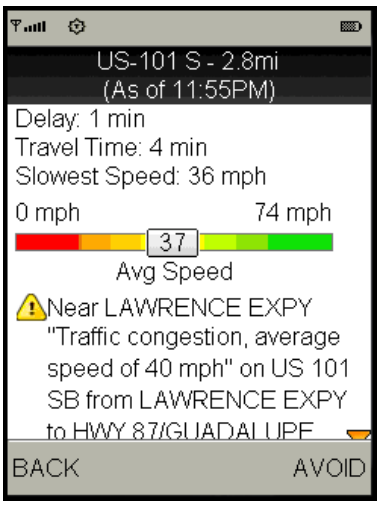
If you click on an incident line, you can view the details. Below is an explanation of what you will see on the Traffic Detail screen:

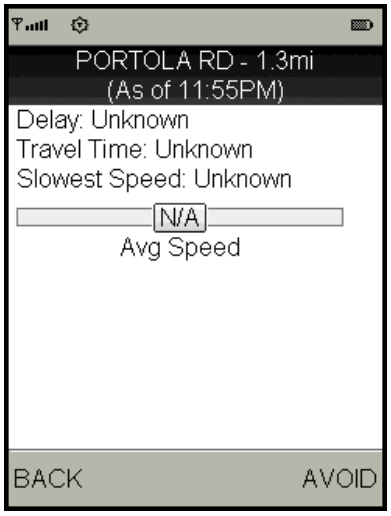


- **Delay** - The additional time it will take to travel the segment as compared with the time it would take if traveling at the posted speed.
- **Travel Time** - Estimated time it will take to travel the segment.
- **Slowest Speed** - Slowest speed observed on the segment.
- **Average Speed Bar -** Average speed of a segment on a scale of 0 to the maximum-posted speed for that segment.
- **Incident Detail** - Each incident is displayed with the following:

  -Incident icon color-coded by severity

  -Location

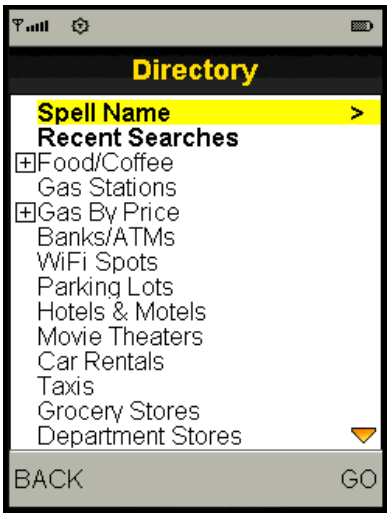
  -Additional comments



NOTE: If there is no flow information for a segment, the Average Speed bar on the Details page is grayed out.

Search Along

Use the Directory to find the desired locations along your navigation route. For example, find every Mexican restaurant on your route between San Francisco and Sacramento. This also displays how many miles off your route each restaurant is. Select a restaurant from the Search Along list to get driving directions from your current location to the restaurant.



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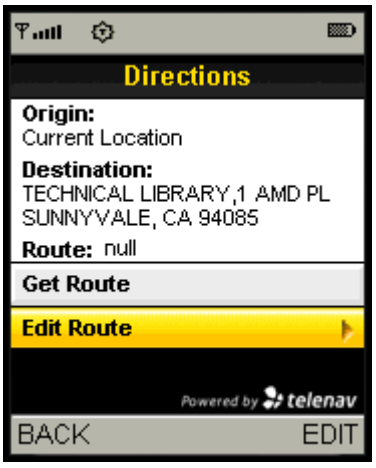
Navigation Options

After you select a Drive To location, the Directions screen appears. Sprint Navigation assumes that you want to start from your current location, but your can select the Edit Route option to change the Origin or the Destination of your trip.



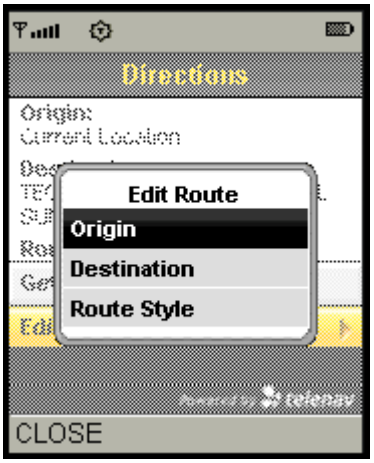
Simply press the up or down navigation keys to halt the automatic Get Route function and the Edit Route menu item will be highlighted. Press the **OK** button or the right softkey to access the Edit Route menu.

NOTE: You can also get walking directions that may make your walking route easier, for example by allowing you to take advantage of going the wrong way down one way streets. As always, use your common sense to determine the safety of any route.

To get walking directions from any Directions screen select:

Edit Route > Route Style > Pedestrian

The Edit Route menu allows you to select a new origin or destination by using any of the methods discussed in the Drive To menu on page 16. For example, you could select a location from your My Favorites or Recent Places lists, you could search for a business or other entity in the Directory, or you could enter an address, an intersection, or a city.



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You can also modify the Route Style for your trip by selecting one of the following options:

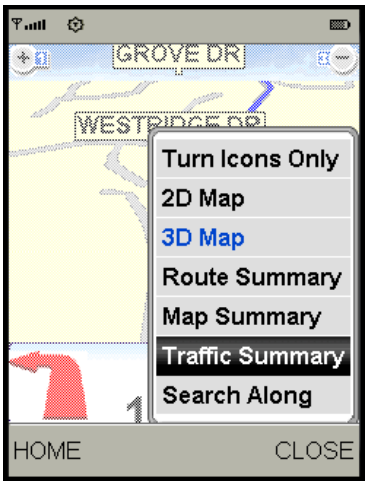
- **Fastest** - This default Route Style finds the fastest driving route.
- **Traffic Optimized** - This Route Style finds the fastest route that minimizes current traffic delays.
- **Shortest** - This Route Style may or may not take more time to drive, but it shows you the shortest distance.
- **Prefer Streets** - Use streets instead of highways if possible.
- **Prefer Highway** - Use highways instead of streets if possible.
- **Pedestrian** - Find walking directions.

Re-routing Options

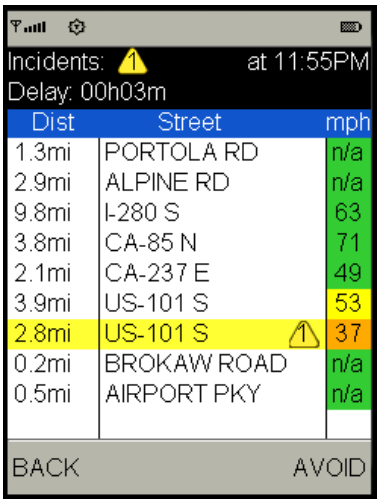
Manual

While you are in a navigation session, you can choose to manually re-route to avoid traffic congestion.

1. During navigation, click the right softkey and choose "Traffic Summary."



2. Highlight one of the lines with slow traffic and click the right softkey labeled "AVOID," or click the **OK** button to see details for that segment.



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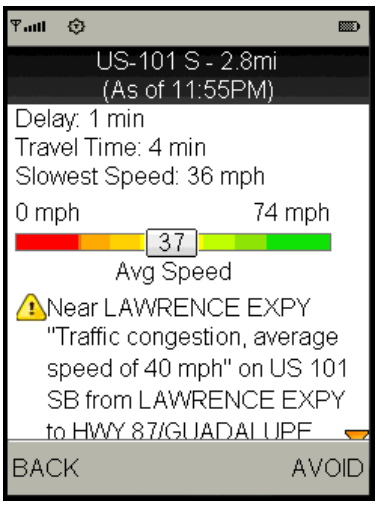
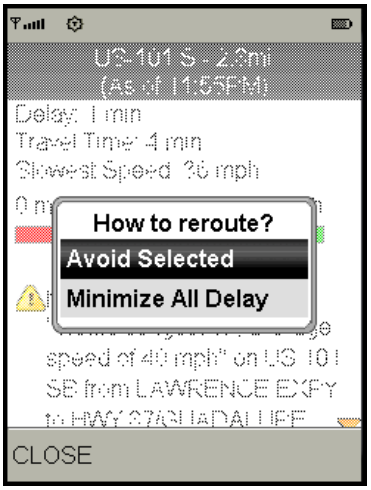
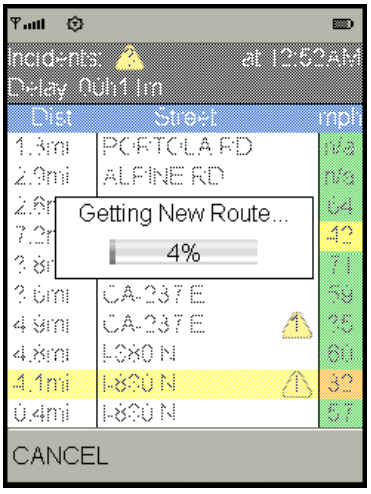
3. When a segment is selected and the **OK** button is pressed, the Alert Details screen appears. Click the right softkey to AVOID that segment.



4. In the "How to reroute" pop-up message, choose "Avoid Selected" to avoid the selected segment." Alternatively, you can click on "Minimize All Delays," which attempts to find a new route that minimizes all delays on the current route.



5. A progress bar indicates how long until a new route is generated.



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6. The Suggested Route screen shows the proposed new route, outlining the original (blue) and suggested route (green), as well as listing the estimated time saved.

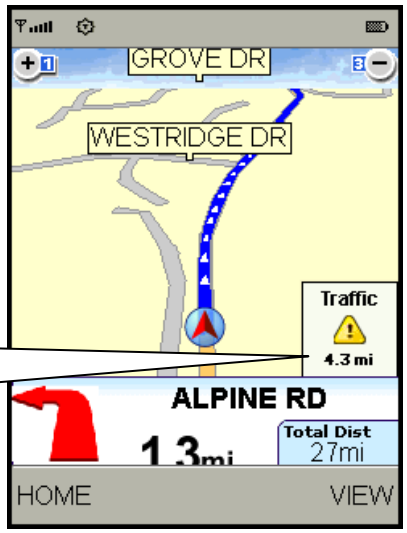
7. Click the right softkey to **ACCEPT** the new route and be taken back to your navigation session.

Avoid Ahead (audio detour)

When you hear an audio warning about a traffic incident during your navigation session, you can re-route to avoid congestion ahead.

8. During navigation, an audio warning sounds to alert you to traffic incidents along your route. An alert icon appears at the bottom-right corner of the map, showing severity and distance to the incident.

(Audio) "Accident 2.3 miles ahead on US 101 at Lawrence Expressway; 1 lane closed. Press '0' to avoid."



9. Press "0" on the handset. The "Getting New Route" progress bar appears, and the application automatically calculates a route to avoid all incidents within a 15-mile range. When you hear the audio prompt, "New Route," the new route will be shown on your navigation session. The traffic alert icon will disappear from the screen.

Enter a Drive To Address

In the Drive To Address and Drive To Intersection menus, you have the option to type in an address or speak an address.

Enter an Address by Typing

Typing an address or intersection is straightforward. See the User's Guide for your Sprint phone for information about how to enter numbers and letters.

HINT: To change back and forth from typing numbers to typing letters, press the right softkey.

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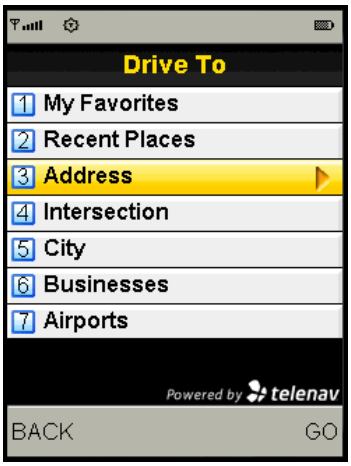
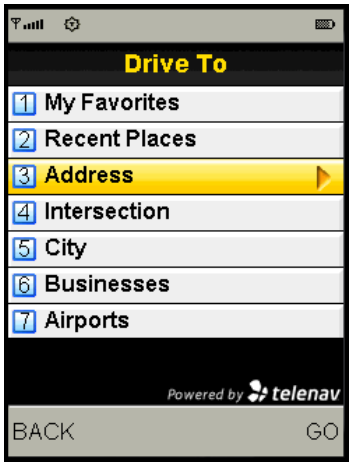


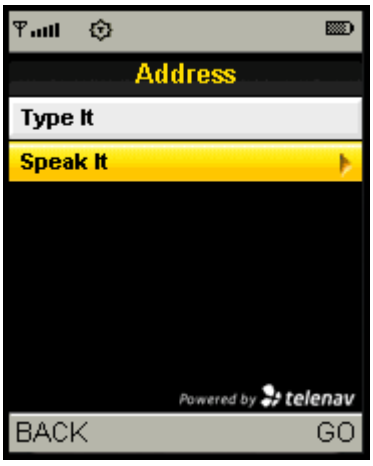
Enter an Address by Speaking

To enter an address by speaking, do the following steps:

1. From the Drive To menu, select Address or Intersection.



2. Select the Speak It option. This places a call to the Sprint Speak It server.



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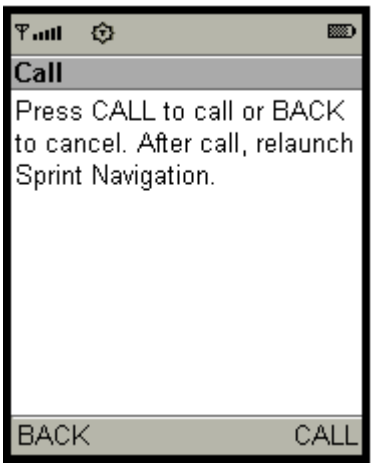
3. Because the phone can only do one function at a time, it cannot make a call and run Sprint Navigation at the same time, so the phone will automatically exit from Sprint Navigation when you make a call.

4. Re-launch Sprint Navigation after speaking your directions.



The location you entered by speaking will appear at the top of your Recent Places List after your re-launch Sprint Navigation. (Select Drive To or View Maps; then select Recent Places.)

The following section contains an example of what you might hear and say when using the Speak It option for entering an address.

Sprint Navigation prompt> Welcome to Sprint Navigation! Let's get your destination. Is it a street address, an intersection, or an airport?

Your response> Street Address

Sprint Navigation > OK, Tell me the 5 digit ZIP code, or the city and state, like Los Angeles, California.

Your response> Arlington, Texas

Sprint Navigation > I heard Arlington, Texas. Say GO BACK if this is not correct. <pause> Say the street including both the number and name, like 422 Main Street. <pause> It can also be a highway.

Your response> 1620 Oak Street

Sprint Navigation > I heard 1620 Oak Street. Say GO BACK if this is not correct. <pause> Great, your destination has been entered: 1620 Oak Street, Arlington, Texas 75210. Would you like to enter another?

Your response> Silence (assuming that 1620 was correct)

Sprint Navigation > Thanks for calling Sprint Navigation.

The call is terminated and you are automatically returned to the Sprint Preview menu.

Launch Sprint Navigation on your phone as discussed on page **8**.

From the Sprint Navigation Main Menu, select Drive To for driving directions, or select View Maps to view a map, then select the Recent Places option. The address you just entered using the voice address input system is at the top of your Recent Places list.

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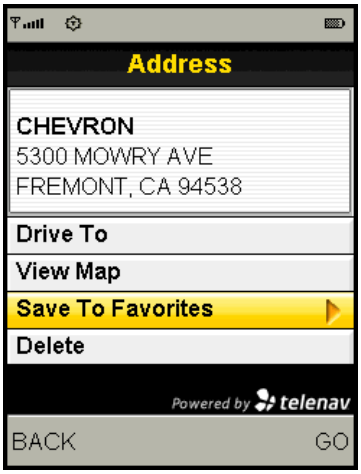
NOTE: If you change your mind, you have the option of selecting View Map from the Drive To Address screen. Likewise, you can select Drive To from the View Maps Action menu.

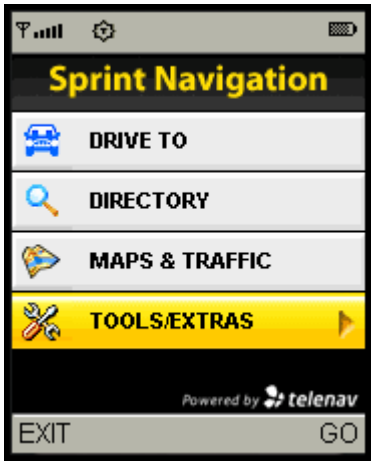
Save a Location to My Favorites

To save a location to your My Favorites list, select the Save To Favorites option from a location screen. You can reach a location screen from a number of menus including Drive To, Maps, Directory, and so on.



To save your current location to your My Favorites list, do the following steps:

1. Select Tools/Extras from the Sprint Navigation Main Menu.



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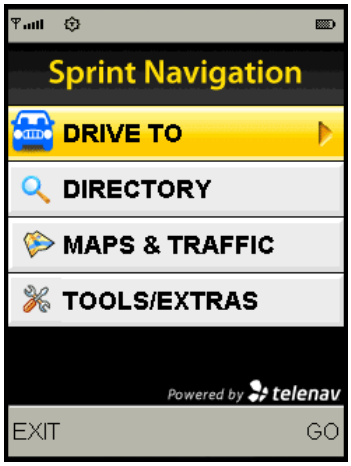
2. Select Record Location.

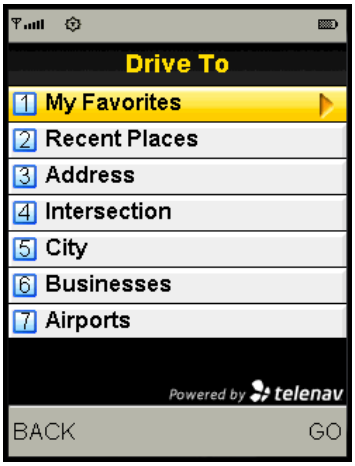
3. Enter the label that will appear in your My Favorites list (i.e., HOME or MY OFFICE).

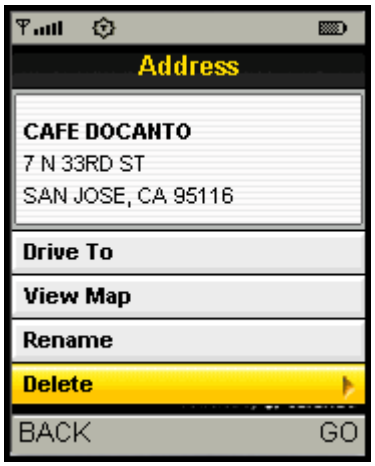
4. Press the **OK** button to apply this name to your new Favorite.

Delete a Location from My Favorites

To delete a location from your My Favorites list, highlight the location in your My Favorites list and select the Delete option. For example:







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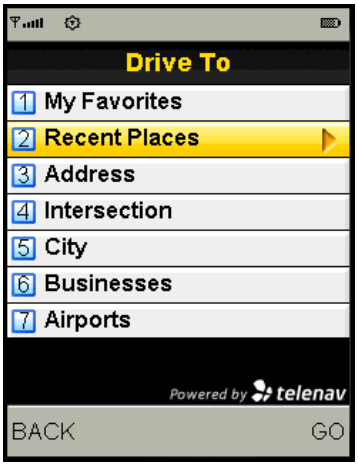
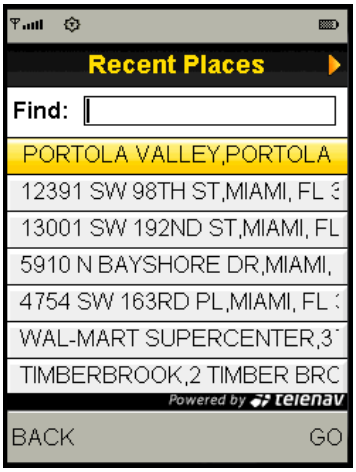
Select a Recent Place

Sprint Navigation automatically keeps a list of all of the places that you have found when using any of the Drive To functions. You can access the Recent Places list from the Drive To menu or the View Maps menu.





You can save a Recent Place to your My Favorites list (the location stays in your Recent Places list). You can also delete a Recent Place from your Recent Places list if you do not want to display it any longer.

or

You can select a Recent Place by scrolling through your Recent Places list. You can scroll through your Recent Places list page by page by selecting the up or down scroll icons.

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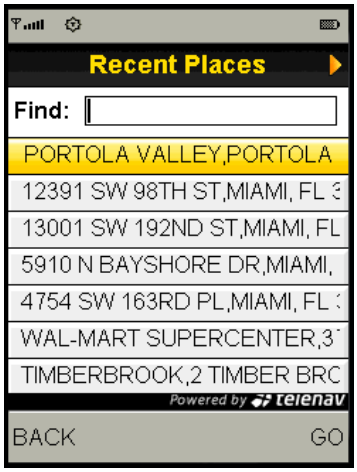
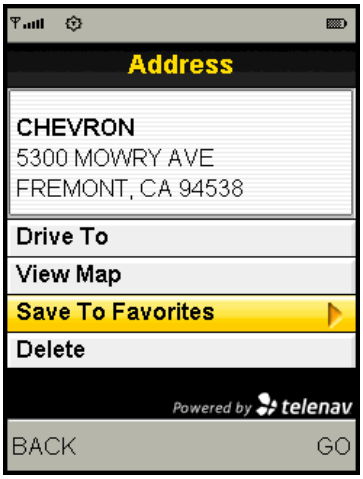
If your list is too long, you can enter one or more alphanumeric characters in the Find text box. The Recent Places that match your search are automatically selected and displayed. As you accumulate Recent Places, you may find that sooner or later you will have to use the Find text box because you have too many Recent Places to scroll through easily.



When you select a Recent Place from the Drive To menu you have the following options:

- Drive To
- View Map
- Save To Favorites
- Delete



When you select a Recent Place from the View Maps menu, a map of your Recent Place appears. After your map appears, you can press the right softkey to select the OPTION menu. From the OPTION menu, you can select the following options:

- **Zoom In** - Focuses in on the map to show a smaller area.
- **Zoom Out** - Zooms out of the map show a larger area.
- **Show Traffic -** View traffic flow information and incidents around the Recent Place. If traffic incidents and flow information are already displayed, this toggles to the “Hide Traffic” option.
- **Follow Me Map –** View a 3D map to navigate to this Recent Place.
- **Save Location -** Add this location to your My Favorites list.

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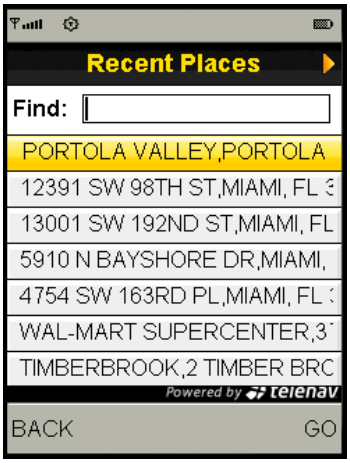
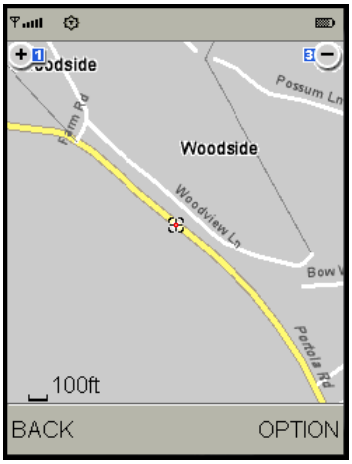
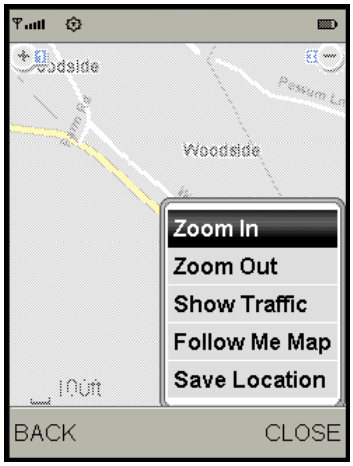


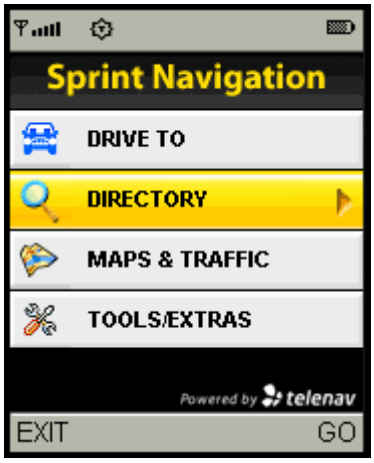




11. Directory Menu

You can use the Directory to find businesses, churches, schools, government offices, police and fire stations, and so on. To use the Directory do the following steps:

From the Sprint Navigation Main Menu, select Directory.



There are three ways to find what you are looking for in the Directory:

- Spell the name.
- Look at a list of your Recent Searches.
- Select a category in the Directory list. For example, Gas By Price or Complete List > Community > Libraries.

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Make a selection and then do one of the following:

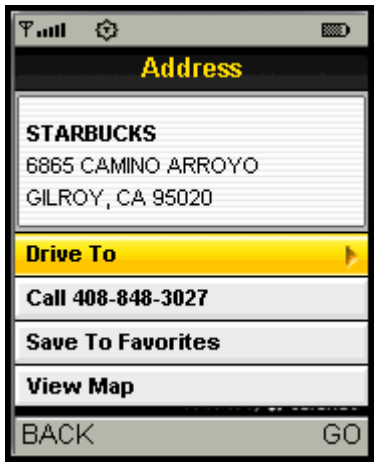
- Press the **OK** button to start your search, or
- Wait for the default seven-second countdown to automatically launch your search. The illustration on the right shows 4 seconds left on the automatic countdown.

NOTE: Press the right softkey ("GO") to skip the countdown, or press the left softkey ("BACK") to stop a search that's already begun.

You can further narrow your search if necessary by redefining what you are searching for (Edit *What*) and/or by redefining where you are searching (Edit *Where*). The default is to search for places closest to your current location.

When you find the place that you are looking for, you can:

- Get driving directions (Drive To).
- Call the location.
- Save the information to your My Favorites list.
- View a map of the location.



12. Maps & Traffic Menu

You can view maps in three different ways:

1. From the Maps & Traffic option in the Sprint Navigation Main Menu.

   You can view a map of: 1.) Your Current Location, 2.) A Favorite Place, 3.) A Recent Place. 4.) An Address, 5.) An Intersection, 6.) A City, 7.) A Business (this is the same as a Directory search), or 8.) An Airport.

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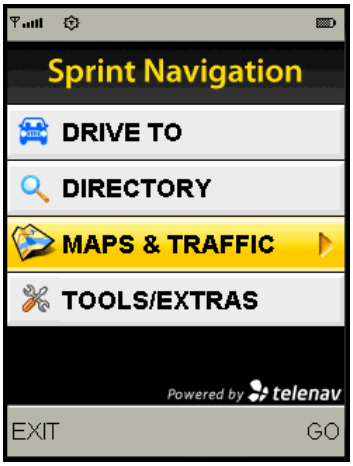
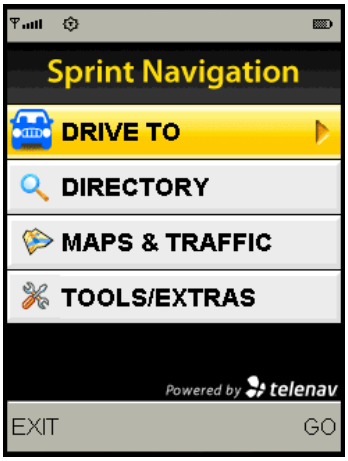
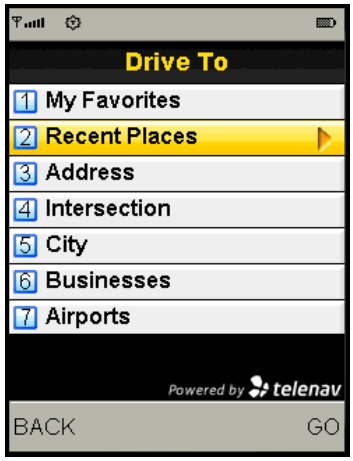
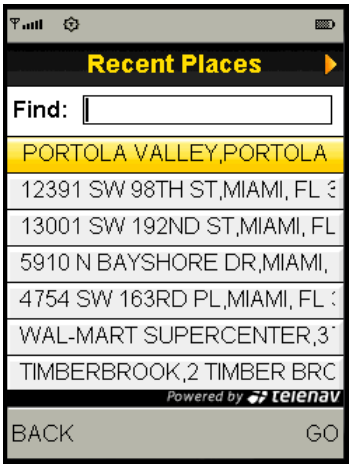


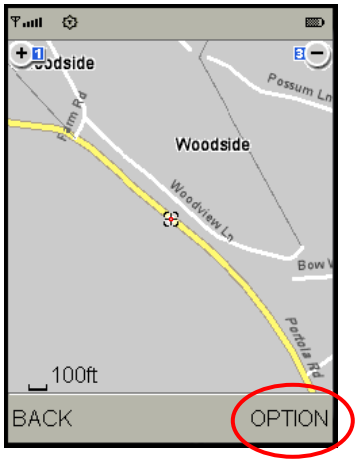
2. From the View Map option for any location that you have found in the Drive To menu.

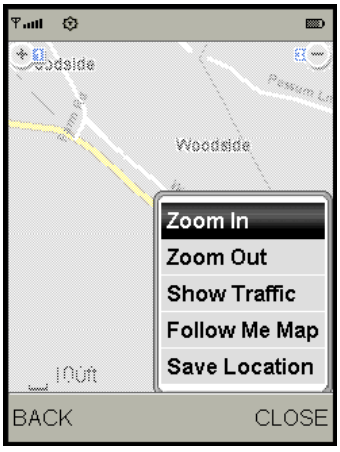
For example, for navigation instructions from the Sprint Navigation Main Menu, select Drive To > Recent Places > select a Recent Place > View Map > press the right softkey ("OPTION") > select Drive To.











3. From the View Map option for any Location that you've found using the Directory.

NOTE: In some screens, the Directory may be called Business or Businesses.

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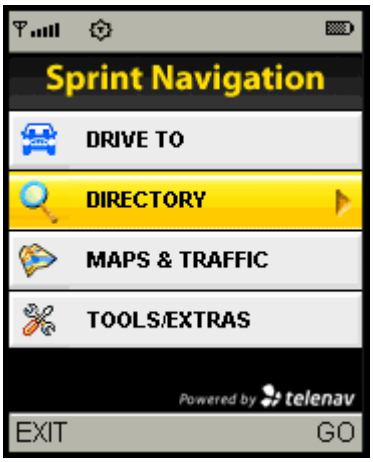
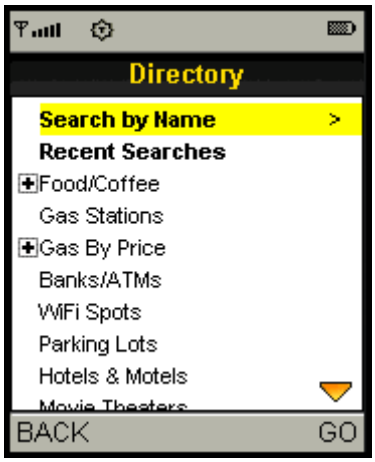
For example, from the Sprint Navigation Main Menu, select Directory. Search the Directory for your desired location and then select the View Map option for the location that you found.





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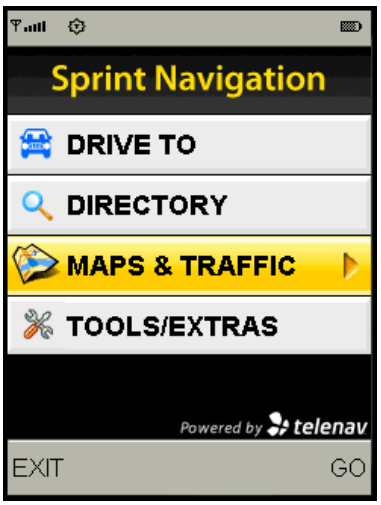
Check Traffic

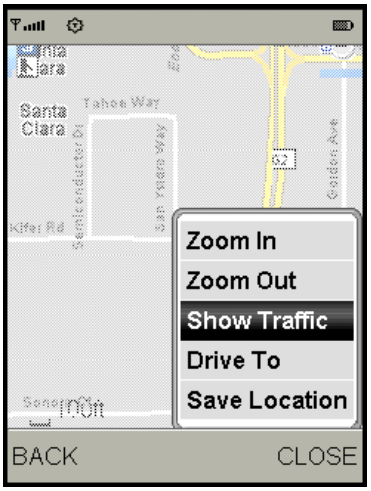
In the View Maps menu, you can also check traffic conditions around a certain area:

1. Select “View Maps & Traffic” on the Sprint Navigation Main Menu.



2. Select a location (current or other).

3. The map of the location appears. Click the right softkey, select “Show Traffic,” and press **OK**.



NOTE: You can zoom in to see more map details by pressing the 1 key or by clicking the right softkey and selecting “Zoom In.” You can zoom out to see a larger area by pressing the 3 key or by clicking the right softkey and selecting “Zoom Out.”

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4. Traffic alerts, as well as traffic flow information, are then shown on the map, flashing on and off.

NOTE: If no traffic information appears on the map, try zooming out to show a larger area. Traffic flow information will only appear for large roads such as highways.

13. Tools/Extras Menu

The Tools/Extras menu gives you options for setting your preferences and other features as described in the following sections.

Record Location

To save your current location to your My Favorites list, do the following steps:

1. Replace the default label and enter a label that accurately describes your current location, like WORK, AMYS SCHOOL, etc.

2. Press the **Down** navigation key.

3. Press the **OK** button.

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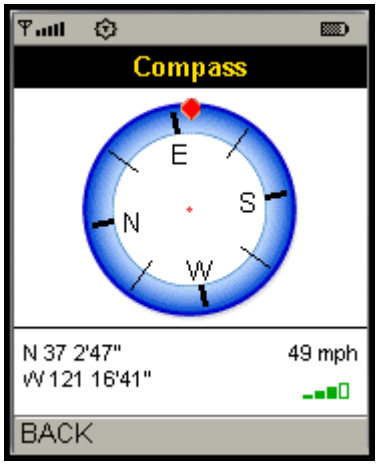
Compass



This screen is similar to a nautical compass. It displays:

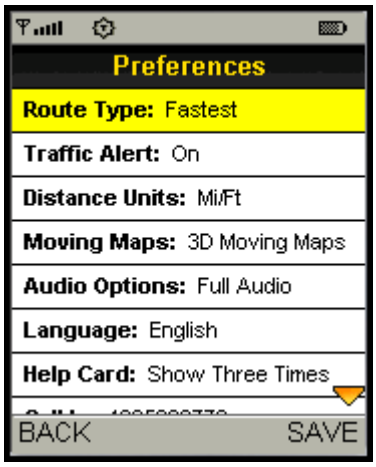
- The direction that you are heading in (if you are moving).
- Your latitude and longitude.
- If no GPS data is available, “No GPS” appears instead of the latitude and longitude.

  -Latitude is represented as N for north or S for south. Longitude is represented as W for west or E for east.

Your speed in miles or kilometers per hour (select miles or kilometers in the Preferences menu as discussed below).

Preferences

You can set the following personal preferences in the Preferences menu. After you select your new preference, press the right softkey to save it.



- **Route Type** - Fastest, Traffic Optimized, Shortest, Prefer Streets, Prefer Highway, or Pedestrian. The “Traffic Optimized” style will give a route that minimizes traffic delays.
- **Traffic Alert** - On or Off. If this feature is on, audio and visual traffic alerts will appear on the 2D or 3D Moving Maps screen if there is a traffic incident on the route ahead.
- **Distance Units** - Miles/feet or kilometers/meters.
- **Moving Maps** - None (Turn Icons Only), 2D Moving Maps, or 3D Moving Maps.
- **Audio Options** - Full Audio, Instructions Only, or No Audio.
- **Language** - Determines the language used for audio prompts: English or Spanish.

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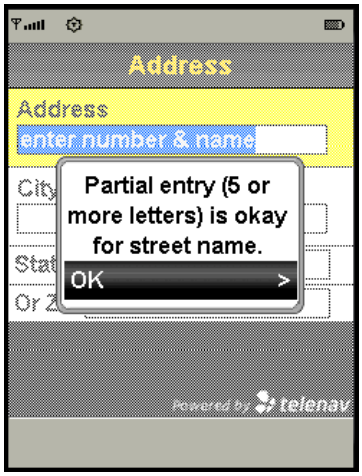
- **Help Card** - Help cards prompt you with hints or cautions about using various menu options. To clear a help card from the screen, press the **OK** button. The Help cards feature has the following three options:

    - Show Three Times (and then don't display them again—this is the default setting)

    - Always On

    - Always Off

- **Call In** - The Call In option displays the phone number that is called when you enter an address or intersection by speaking.



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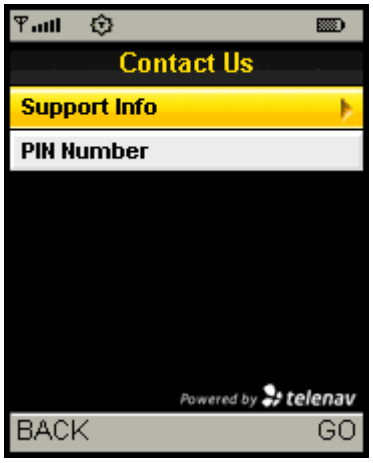
Contact



The Contact menu gives you two options:

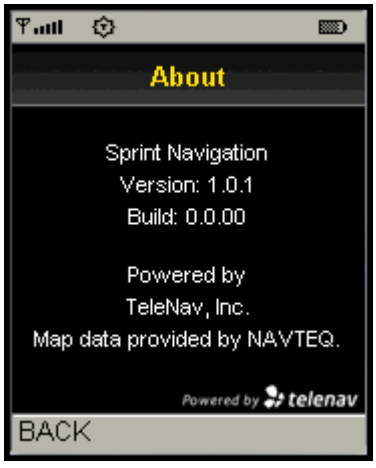
- An easy way to call Sprint Navigation Technical Support.
- A display of your PIN number.

Give Feedback

The Give Feedback menu gives you the following options so you can give Sprint your feedback on how Sprint Navigation is working for you.

- **Usefulness** - High, Medium, or Low
- **Frequency** - Daily, Weekly, Monthly, or Less Often
- **Speed** (of Sprint Navigation's response time) - Fast, Average, or Slow
- **Most Used** - Drive To, Directory, Maps, or Other
- **Overall Rating** - High, Medium, or Low
- **Submit** - After you rate each of the Feedback options listed above, select Submit to send us your feedback.

About



This menu option displays a screen similar to the illustration on the right. It shows the exact version of Sprint Navigation that is on your phone.

Knowing the exact version of your software may be helpful if you ever have to call Sprint Technical Support.

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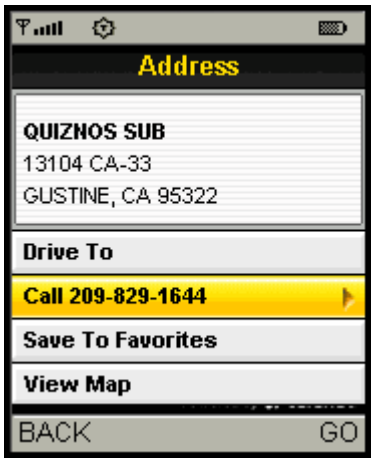
14. Making a Phone Call from Sprint Navigation

Calling a location that you have found in the Directory like a restaurant, a hotel or a church is easy—simply select the Call menu item.



NOTE: Because your phone can only do one function at a time, making a call from a Sprint Navigation screen automatically exits the Sprint Navigation application. In order easily return to the location that you found, select the Save to My Favorites menu option before making your call. Restart Sprint Navigation after you finish your call and retrieve the location from your My Favorites list.

Taking an Incoming Call

When you are using Sprint Navigation and your phone receives an incoming call, your phone rings and displays a screen that gives you the option to take or ignore the call.

If you ignore the call, the Sprint GPS application resumes and continues with the function that you were using before the call came in. However, if you take the call, the Sprint Navigation application terminates because the phone can only run one application at a time.

After you finish the call, re-launch Sprint Navigation and begin again where you left off. For example, if you were driving to a location that wasn't saved to your My Favorites list, look in your Recent Places list. To get driving directions, simply select the destination in your Recent Places list and then select Drive To.

Change your PIN number

In an Internet browser, go to the Sprint Navigation Website at www.sprint.com/navigation.

- Enter your phone number and PIN to log in.
- Select the Change PIN Number link.
- Enter your current PIN number and your new PIN number.
- Click Submit.

NOTE: You can find your current PIN number by selecting Tools/Extras > Contact > PIN Number:

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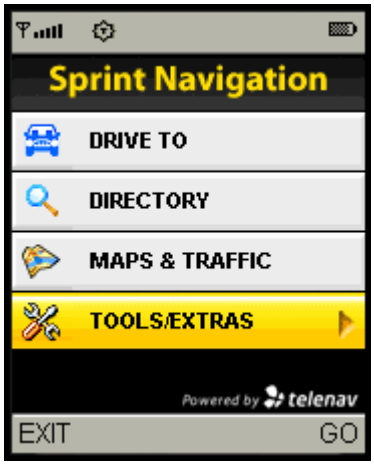
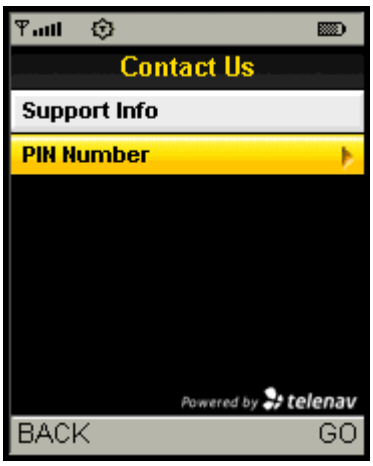




15. Interruption of Other Services

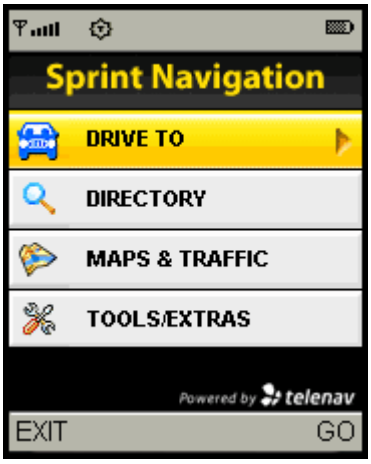
Whenever Sprint Navigation needs to contact its servers, it uses Sprint's data service. When Sprint Navigation uses Sprint's data service, other services such as SMS messaging and conventional cellular calls are not available. Typically, this interruption of other services lasts no more than 20 seconds or so.

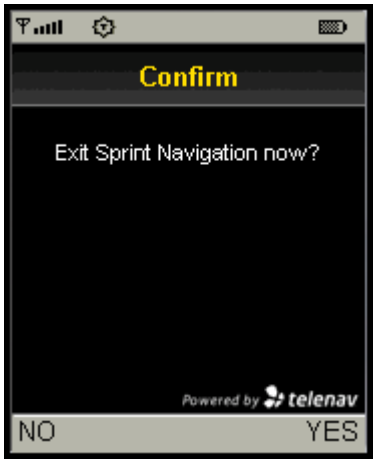
When incoming calls are blocked due to Sprint Navigation's use of Sprint's data network, phone calls go to your voice mail if you have a voice mail service available.

16. Exiting Sprint Navigation

To exit the Sprint Navigation application, do the following steps:

- Press the **End** button, or
- If you are not at the Sprint Navigation Main Menu, press the left softkey until the Main Menu appears. Then press the left softkey once. In the "Exit Sprint Navigation now?" pop-up, press the right softkey to select **YES** and exit Sprint Navigation.





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17. The Sprint Navigation Website

To access the Sprint Navigation Website, go to www.sprint.com/navigation and log in with your account number and PIN. The following features are available:

- Plan a trip by entering the starting and destination addresses (this does not update information on your phone).
- Find restaurants, motels, stores, churches, schools, government offices, and so on, including getting addresses, phone numbers, maps, and directions.
- Contact Customer Support.
- Add an address and save it to the My Favorites list on your phone. The next time you launch Sprint Navigation on your phone, the new address will appear in your My Favorites and Recent Places lists.

  NOTE: If Sprint Navigation is running on your phone when you save the address on the Website, the new address will show up in your My Favorites list or your Recent Places list only if you have not accessed these lists in your current Sprint Navigation session. If you have already accessed one of these lists in your current session, the new address will not appear in these lists until you close and then re-launch Sprint Navigation.
- Manage addresses in your My Favorites and Recent Places lists (both of which update information on your phone). These lists can grow to an unlimited length.
- Update your personal information, including your home and work addresses and your email address.
- Change your PIN number.

18. Error Conditions

GPS Signal Weak

Move to an area with a clearer view of the sky.

Invalid Login

Your account number is your 10-digit mobile phone number beginning with area code. Your PIN is a 4-digit number that you assign. Your PIN can be accessed from the Contact option in Sprint Navigation Tools/Extras menu.

If for some reason you cannot access your PIN, contact Sprint Navigation Customer Care at 1-800-777-4681.

No GPS Data

Make sure that you have a good view of the open sky. Then exit and re-launch Sprint Navigation.

Please input phone number

You must provide your mobile telephone number to log into Sprint Navigation.

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Phone number needs 10 digits

Enter the entire 10 digit phone number, not prefixed by 1.

Sprint Navigation Encountered an Error

Sprint Navigation is having technical problems with the specific request that you made. This can be due to an address that it cannot find, or mapping data that does not allow routing from where you are to where you want to go. In this case, try to use a nearby address.

Sprint Navigation Not Available

If you get an advisory message that Sprint Navigation is not available, exit Sprint Navigation and then re-launch it. If the problem recurs, it may be due to a temporary Sprint Navigation server outage.

Trial Expired

The trial period for your account has expired. Order Sprint Navigation by calling Customer Support at 1-800-777-4681.

Unable to generate a route

Sprint Navigation could not generate a route between the two endpoints of the route. This may be a temporary error if you have a weak GPS signal when establishing the origin, but may be due to errors in the map data in the area around the destination.

19. FAQs

Why do I need the carrier's data service?

The data plan allows you to access nationwide routes, maps, and Directory content from the Sprint Navigation servers using the data communication features of your phone. These services are different from your cellular airtime. To order a data plan from Sprint, please contact their Customer Support directly:

Sprint PCS: 1-800-777-4681 (1-800-SPRINT 1)

Does Sprint Navigation use up my voice plan minutes?

Sprint Navigation uses data to provide its navigation functions. Using data does not use any of your voice minutes. However, calling the Voice Address Input System does use about 75 seconds per address entered. The Voice Call feature internal to the Sprint Navigation application also uses voice minutes.

How accurate is the GPS?

GPS accuracy can range from 20m (approx. 65 ft) to 100m (approx. 328 ft). Most of the time, the GPS is accurate to less than 50 meters (approx. 164 ft).

What is ideal GPS environment?

The GPS requires an open, clear view of the sky. Buildings, covered parking areas, tunnels, and dense foliage can cause the GPS receiver to be unable to locate a GPS satellite or may cause extended initialization time (time to first GPS fix).

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If you are parked in a covered parking lot or near a tall building, it is recommended that you move into an open area and then begin to use the Sprint Navigation service.

Why does the GPS not work near buildings and other tall objects?

The GPS uses signals from satellites, so it needs a clear view of the sky. Tall buildings and other objects that block the GPS receiver's view to the sky may make it impossible to determine your location. Sometimes the satellites are not overhead but near the horizon; in these cases, the GPS receiver in your phone must have a clear view of the horizon.

How do I know that the GPS has a signal?

Sprint Navigation application alerts you if you do not have a valid GPS signal. If this happens, move to an area where there is a clear view of the sky so the GPS satellite signal has access to the GPS receiver in your phone.

What happens if I'm using Sprint Navigation for driving directions and I lose the GPS signal while driving across a bridge or through a tunnel or lose the GPS signal for some other reason?

Sprint Navigation remembers the speed at which you were driving before losing the GPS signal. Sprint Navigation continues to give you driving directions based on an estimate of the projected distance that you may have traveled at your last recorded rate of speed. Sprint Navigation recalculates your current position when you regain a GPS signal and adjusts your driving directions accordingly.

20. Sprint Navigation Customer Support

Please call Sprint Navigation Customer Support with any questions or comments that you may have.

Toll Free Customer Support Line: 1-800-SPRINT-1 (1-800-777-4681) or dial *2 from your handset

www.sprint.com/navigation

21. TeleNav Services Warranty

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