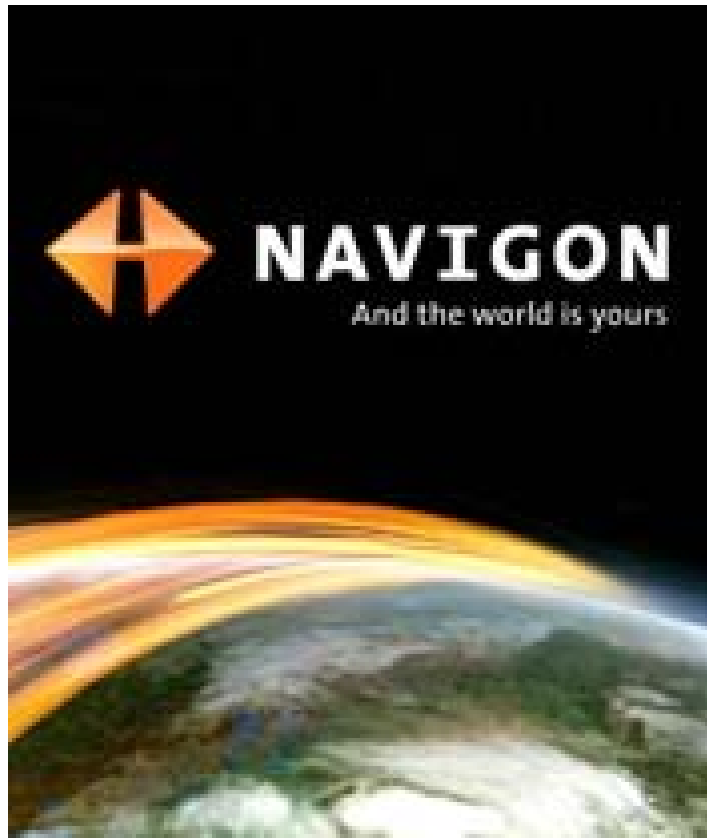




**NAVIGON**



## ***NAVIGON 7100***

### **User's Guide**

English (US)  
January 2008

Revision 2.0

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**Imprint**

NAVIGON, INC  
200 W Madison Street  
Suite 650  
Chicago, IL 60606

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# Introduction

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## About This Manual

### Conventions

For better legibility and clarification, the following styles are used in this manual:

Bold and italics:                    ***Registered names, company and product descriptions.***

Small capitals:                    WINDOW AND MESSAGE TITLES.

Bold:                                **Important parts in the text.**

Underlined:                        Buttons, input fields and other elements on the user interface.

### Symbols

The following symbols refer to specific passages of text:



Warnings



Instructions and tips for operating the software



More detailed information and explanations

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### ***E-mail***

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US and Canada > Support > Email

Customers will receive a response within 2 business days.

# Welcome

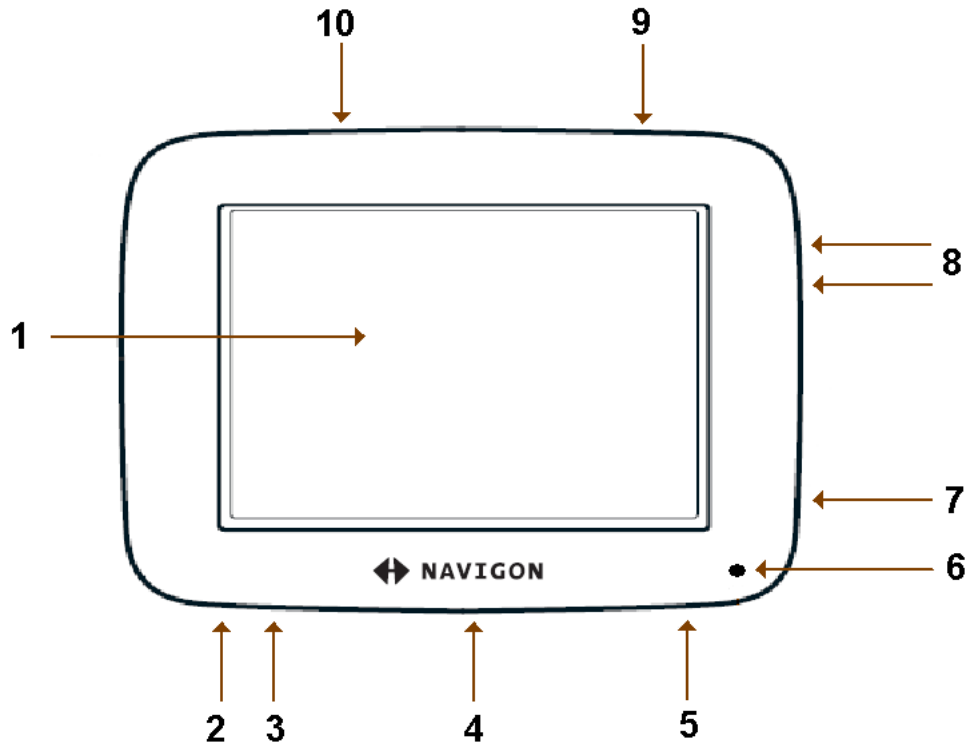
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## Introducing Your *NAVIGON 7100*

Welcome to the exciting world of handheld navigation. The *NAVIGON 7100* offers Global Positioning System (GPS)–based navigation, real-time traffic information, and millions of Points Of Interest (POIs).

With lifetime TMC, your navigation system can receive the latest traffic information available. If necessary, it can change your route dynamically in order to avoid traffic congestion.

With lifetime Zagat POIs, you receive ratings on thousands of POIs from the world's leading provider of consumer survey-based dining, travel and leisure information.



1		Touch Screen
2	RESET	Reset
3	 /TMC	External Antenna/ Headset Socket
4		LED
5		Power Connector Port
6		Microphone
7		Stylus
8		On/Off/Standby
9		SD Memory Card Slot
10		External GPS Antenna Socket



## About GPS Navigation

GPS is based on a total of 24 satellites that circle the earth and are constantly transmitting their position. The GPS receiver uses this data and calculates its own geographical position on the basis of the information transmitted by the various satellites.

For a sufficiently precise positioning it is necessary to obtain the data from at least three satellites. With the data from 4 or more satellites the altitude above sea level can also be ascertained. The determination has an accuracy of about 3 yards.

Once the navigation device has determined your position, it can be used as a starting point for route calculation.

The map data on your navigation device includes the geographical coordinates of all digitally recorded Points Of Interest (POIs), streets and places. This enables the device to calculate a route between a starting point and a destination.

The calculation of the current position and its representation on the map takes place once every second so your current position is always shown on the map.

If GPS reception is impaired, navigation is interrupted. The navigation software remains active.

As soon as GPS reception is restored, the navigation system calculates any change of position which has occurred in the meantime. Navigation continues.



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**Caution!** The United States government operates the Global Positioning System (GPS) and is solely responsible for its accuracy and maintenance. Changes by the United States government may affect the accuracy and performance of all GPS equipment, including your personal navigation device.

**Caution!** Ordinances or laws may restrict use of certain abilities of your navigation device on public or private land.

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# Getting Started

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## What's Included

Your **NAVIGON 7100** comes with the following accessories. If any of the following items are missing, please notify us **within 14 days of purchase**. The purchased product includes the following:

- **NAVIGON 7100** navigation device
- Car cradle
- Car charger cable (12 volt adapter)
- AC adapter cable
- USB cable
- SD card containing software and navigation maps
- Documentation CD (PDFs in English, French and Spanish)

## Important Safety Information

Please read the following notices and safety information carefully before starting to use your navigation system.

### *Navigation safety information*

Use this navigation system at your own risk.



---

**Caution!** To prevent accidents, do not operate the navigation system while driving.

**Caution!** Do not look at the display unless it is absolutely safe to do so!

**Caution!** Traffic regulations have priority over any instructions from the navigation system.

**Caution!** Follow the instructions of the navigation system only when road conditions and traffic regulations allow you to safely do so! The navigation system will guide you to your destination even if you deviate from the calculated route.

**Caution!** Check that the cradle is secured and adjusted properly before each use of the navigation device.

---



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**Note:** If you have not understood the spoken instructions, or you're not sure about what to do next, you can refer briefly to the map or arrow view of your navigation system.

---

## Safety information for the navigation device



**Caution!** Protect the device from moisture. The device is not waterproof and is not protected against water damage.

**Caution!** Do not run cables directly next to safety-relevant devices and supply lines.

**Caution!** After installation, check all safety-related equipment in the car.

**Caution!** Unplug the navigation device's power supply when you park the vehicle. The navigation device requires power in standby mode, and can drain the vehicle's battery.

**Caution!** Do not open the navigation device's casing under any circumstances.

**Caution!** Do not expose the navigation device to extreme heat or cold. This may damage the device or impair its function.

**Caution!** Use only the provided chargers or one that has been approved by the manufacturer.

**Caution!** Connect the charger to a suitable power supply. Voltage requirements are provided on the device case and/or the packaging.

**Caution!** Turn off your device in any location where posted notices instruct you to do so. These locations include hospitals or health care facilities that may be using equipment that is sensitive to external RF energy. Keep the device at least four inches from a pacemaker to avoid radio waves. A Bluetooth device can impair the operation of medical devices.

**Caution!** In an aircraft, turn off your mobile device whenever instructed to do so by airline staff.

---



**Note:** Ensure that there are no kinks in the cable and that it will not be damaged by any sharp objects.

**Note:** Clean the navigation device using a moist cloth only.

**Note:** Do not unplug by pulling on the cable. Doing so could damage the cable!

**Note:** Create a backup of the data contained on the memory card provided.

**Note:** The memory card must remain inserted in the device during operation of the navigation system.

**Note:** Use SD- or MMC-memory cards only! Ensure that memory card contacts are clean and undamaged.

---

## Safety guidelines when installing in your car



**Caution!** Secure the cradle and the TMC antenna in such a way that the driver's visibility is not impaired.

**Caution!** Do not attach the cradle in a location that would interfere with airbag deployment.

**Caution!** When installing the cradle, ensure that it does not represent a risk in the event of an accident.

**Caution!** Do not run cables directly next to safety-relevant devices and power supplies.

**Caution!** After installation, check all safety-related equipment in the car.

**Caution!** Connect the car charger cable to cigarette lighters with an operating voltage of 12V only.

---

## Preparing Your NAVIGON 7100 for Use

Use the navigation system at your own risk.



---

**Caution!** Please be sure to read, understand, and follow the safety information in “Important Safety Information” on page 8.

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### *Charging the battery*

When purchased, the rechargeable battery might not be fully charged. We recommend that you fully charge the battery before using the device for the first time.

To charge the battery, do one of the following:

- Connect the AC power adapter to the navigation device and to a wall outlet.
- Connect the USB cable to the device and your computer.
- Connect the 12 volt car charger cable to the device and your cigarette lighter socket.

The LED light on the **NAVIGON 7100** indicates the current battery charge. The LED lights:

- No light, the battery is flat.
- Orange during charging.
- Green when the battery is fully charged.



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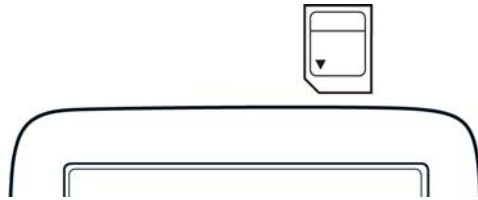
**Note:** It takes approximately 6 hours to charge the device when the battery is flat. A fully charged battery provides up to 4-5 hours of use.

---


## ***Inserting a memory card***

The SD memory card contains maps and navigation software. It also stores saved destinations, routes, and logbook entries.

- Insert the memory card provided into the slot on the top of the device (see image). Press the card into the device until it locks into place.

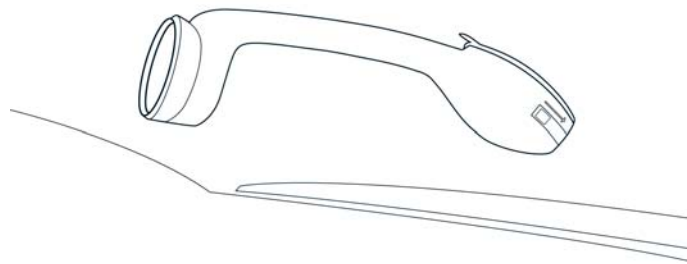


## ***Removing a memory card***

1. Switch the navigation device off by pressing the  (On/Off/Standby) switch for at least 6 seconds.
2. Press the memory card gently into the device until the lock disengages.

## ***Securing the cradle***

Clean and dry the windshield as well as the suction cup on the base of the cradle. These areas must be dry and free of dirt and grease.



1. Use the suction cup to affix the cradle to the windshield. The cradle should be as level as possible.
2. Press the lever on the suction cup down to secure the cradle.


## ***Securing the navigation device to the cradle***

The navigation device is secured to the cradle by means of a bayonet fitting. This connection functions in a similar way to attaching a lens to a camera.

1. Place the navigation device on the bayonet in such a way that the bulges on the bayonet ring correspond exactly with the recesses on the cradle. This is achieved by rotating it approx. 30° to the left.
2. Turn the navigation device clockwise until the bayonet fitting locks into place.
3. Adjust the navigation device so that it can be seen easily.

## ***Supplying power to the navigation device***

Included in delivery of the **NAVIGON 7100** is a car charger cable that can be used to power the navigation device using the vehicle's cigarette lighter.

The car charger cable is connected to the **NAVIGON 7100** using the power connector port  on the bottom of the device.




---

**Caution!** The car charger cable is to be connected to only cigarette lighters with an operating voltage of 12V.

---

## ***Connecting an optional TMC antenna***

The **NAVIGON 7100** has an integrated TMC receiver. For optimal reception, you should use the TMC antenna provided.


1. Connect the TMC antenna to the external antenna/headset socket  /TMC on the bottom of the **NAVIGON 7100**.
2. Secure the antenna to the windshield using the suction cups.



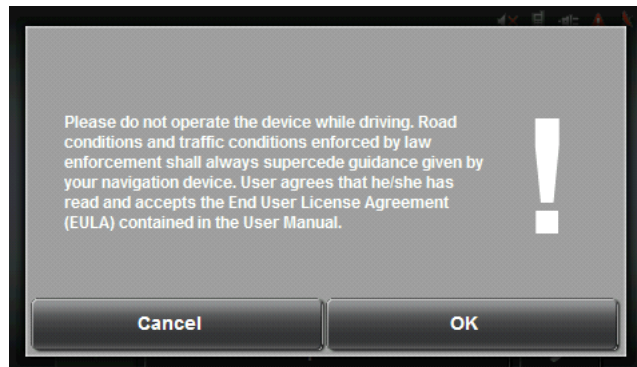
# Basic Operations

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## Starting the *NAVIGON 7100*

1. Press and hold the  (On/Off/Standby) switch for at least 6 seconds.
2. If password protection has been activated, the ENTER PASSWORD WINDOW opens.
3. Enter the password and tap Continue.

Each time the navigation device is turned on, the following message appears when the software is started again:



4. After you have read and fully understand the text, tap OK.  
**Note:** If you do not accept these instructions, tap Cancel to quit the navigation software.

The MAIN WINDOW displays.

## **The Main Window**

The MAIN WINDOW opens when the navigation software starts.

You can reach all of the navigation software functions from this window.



### **New Destination**

Tap this button to:

- Select an address by city or street. (See page 28.)
- Select a POI as a destination. (See page 30.)
- Select a POI by tapping on the map. (See page 39.)

### **My Destinations**

Tap this button to select a destination from:

- A list of destinations you have saved. (See page 49.)
- A list of most recently entered destinations. (See page 50.)
- Create a destination voice command. (See page 52.)

### **Take Me Home**

Tap this button to:

- Specify your home address as a destination. (See page 48.)
- Quickly create a route back to your home address from your present location. (See page 51.)

### **Voice Command**

Tap this button to:

- Speak a previously recorded voice destination. (See page 52.)

### **The Options Button**

Tap this button to:

- Access ROUTE PLANNING WINDOW to:
  - Create a route. (See page 53.)
  - Load a saved route. (See page 55.)
- Access the SETTINGS WINDOW to set:
  - Basic Settings. (See page 85.)

POI settings. (See page 87.)


Show information on the current map or change maps. (See page 87.)

View or change route profile information. (See page 87.)

- Show your location on the current map.
- Save the current location as a destination. (See page 47.)
- View the TMC TRAFFIC WINDOW information. (See page 67.)
- Go to the LOGBOOK WINDOW. (See page 83.)

## Returning to the Main Window

To return to MAIN WINDOW from any other window:

- Tap  (Back) repeatedly until the MAIN WINDOW redisplay.

## Initializing the GPS receiver




**Note:** It can take up to 20 minutes to initialize the integrated GPS receiver for the first time.

Each time you turn on the device, GPS reception starts within one minute.

If the navigation device has been switched off for more than a week, the next initialization can take up to 10 minutes.

As soon as the navigation device has been switched on, initialization of the GPS receiver begins.

In the upper right-hand corner of the display, the GPS symbol appears. As soon as data from at least 3 satellites is received, the symbol changes to  **GPS Ready**.



**Note:** If the GPS symbol displays **GPS Ready** after considerably less than 20 minutes, it is advisable to leave the receiver switched on for at least 15 minutes to ensure reliable operation.




**Caution!** If you have connected the navigation device to the power supply via the vehicle's cigarette lighter, remove the connector before you leave the vehicle for a long period of time.

As the GPS receiver requires a constant supply of power, it could drain the vehicle's battery.




## Setting the volume


The volume of the spoken driving instructions can be adjusted during navigation.

With a map displayed:

1. Tap  (Volume) to open the volume bar.

The volume bar opens. It contains three buttons for adjusting the volume:

 (Louder),  (Quieter),  (Volume on/off).

2. Tap  (Volume) to close the Volume bar.

## Using Standby Mode

When switched to standby, the device requires virtually no power and conserves battery time.

- Press the (On/Off/Standby) button briefly.

To switching the Device back on from Standby

- Press the (On/Off/Standby) button briefly.



---

**Note:** If a password has been created for the device, the ENTER PASSWORD WINDOW appears when the device is switched back on from Standby. See “Security” on page 25 for more on using passwords.

---

## Turning the NAVIGON 7100 Off

- Press and hold the  (On/Off/Standby) switch for at least 6 seconds.

## Viewing Device Statuses


Symbols located at the top right of the screen are used to display device status information.




### GPS

The GPS symbol can show the following GPS reception status:

**No Symbol** The built-in GPS receiver is not operational. Contact customer service if the problem persists.

 **No Signal** Data is being received from less than three satellites. Position cannot be calculated.


 **GPS Ready** Data is being received from at least three satellites. Position can be calculated.



For more detailed information regarding GPS status, see "About GPS Navigation" on page 5.


### Power

The Power symbol can display the following conditions of the built-in battery:

 The device is powered by an external power source. The battery is charging.

 The device is powered by its internal battery. Battery is fully charged.

 The device is powered by its internal battery. Battery charge is sufficient.

 The device is powered by its internal battery. Battery charge is low.

## TMC (Traffic Information)

The **NAVIGON 7100** has an integrated TMC receiver which provides the navigation system with up to date traffic information. If necessary, it can alter the route dynamically in order to avoid a traffic jam.



**Note:** This function is only available if TMC traffic messages are being transmitted in the country and city in which you are travelling. This is not the case in all countries.

The TMC symbol can display the following TMC reception status:

**No Symbol**                      There is no TMC receiver connected, or the connected or built-in TMC receiver is not operational.



**Tuning**

The TMC receiver is operational, but cannot find a station that is transmitting TMC signals.



**TMC Ready**

Traffic messages can be received.



For details on TMC functionality, see “Displaying traffic messages” on page 70.

## Bluetooth

The **NAVIGON 7100** has an integrated Bluetooth hands-free operation. This enables you to use the device as a hands-free kit for a mobile phone with Bluetooth capability.

The Bluetooth symbol can display the following states for the hands-free operation:



**No Bluetooth**

Bluetooth is deactivated.



**Connected**

The **NAVIGON 7100** is connected to another device.



**Not connected**

The **NAVIGON 7100** is not connected to another device. Bluetooth is activated.

## Using Software Keyboards

Software keyboards appear on the screen when text entries are necessary.

All entries can be made on the software keyboard using the stylus or your fingertips. When entering town or street names you need not enter any special characters. The navigation system fills in these characters for you automatically. Three keyboards are available for entering destination information.

### *Alphabetic keyboard*



Tap **ABC** to display the alphabetic keyboard.

Only capital letters can be entered.

### *Numeric keyboard*



Tap **123** to display the numeric keyboard.

### *Special character/symbol keyboard*



Tap **SYM** to display the special character keyboard.

As soon as you have entered a special character, the letter keyboard reappears automatically.



## Special keys



On the Alphabetic and Numeric keyboards, enters a space character.



On the Alphabetic and Numeric keyboards, deletes the previous character and moves the cursor back one space.



On the Alphabetic and Special Character keyboards, opens the Numeric keyboard.



On the Numeric and Special Character keyboards, opens the Alphabetic keyboard.



On the Alphabetic Numeric keyboards, opens the Special Character keyboard.

## Using Menus

Some buttons have menus which open when activated.

To select a function:

- Tap on a menu button to execute its function.

To close a menu without selecting a function:

- Tap on the button you used to open the menu.

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# Security

---

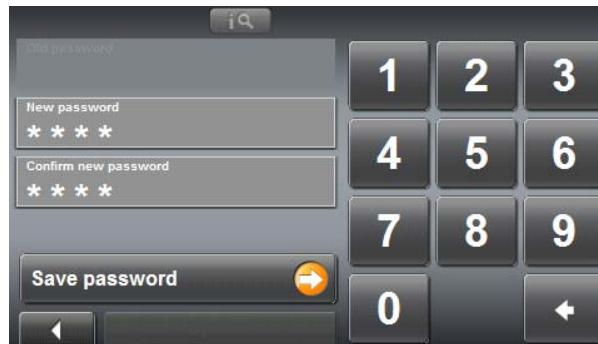
By creating a password, you can protect your navigation system from unauthorized use.



**Note:** A password takes effect after the navigation device has been switched off completely. To do this, press the  (On/Off/Standby) switch for at least 6 seconds.

---

## The Password Lock Window



### Setting a password



**Note:** The password must contain exactly 4 digits.

---

In the MAIN WINDOW:

1. Tap Options > Settings.  
The SETTINGS WINDOW opens.
2. Tap Options > Password Lock.  
To open the PASSWORD LOCK WINDOW.
3. In the New password field, type the password.
4. Re-type the new password in the Confirm new password field.
5. Tap Save password.

### Changing a password

In the MAIN WINDOW:

1. Tap Options > Settings.  
The SETTINGS WINDOW opens.
2. Tap Options > Password Lock.  
To open the PASSWORD LOCK WINDOW.
3. Type the current password in the Old password field.
4. Type the new password in the New password field.

5. Re-type the new password in the Confirm new password field.
6. Tap Password Lock.


### **Canceling password protection**

On the PASSWORD LOCK WINDOW:

1. Tap Options > Settings >  
To open the SETTINGS WINDOW:
2. Tap Options > Password Lock.  
To open the PASSWORD LOCK WINDOW.
3. Type the current password in the Enter password field.
4. Tap Deactivate password lock.

### **Forgotten password?**

If you have forgotten your password, do the following:

1. Tap  (Info).
2. Call the number displayed in the window.
3. Follow the instructions given by the service personnel.

# Selecting Destinations

---



**Caution!** Use the navigation system at your own risk.

**Caution!** Please be sure to refer to the safety information in “Important Safety Information” on page 8.

---

New destinations for the **NAVIGON 7100** are all destinations that you have not yet navigated, or you have not yet stored.



You can enter an address here, select a POI, or select a destination from the direct access function.

## ***Using auto-complete to select a destination***

Lists often appear from which you can select an entry. This is the case, for example, when you enter a location. After you type the first letter, the largest city in the selected map area appears. Once you type a second letter, the list shows all map areas that begin with the typed letters.



As you enter additional letters, the list reflects your entries by only containing entries that begin with your typed text. The more letters you enter, the shorter the list becomes.

You can move through a list using  (Up) and  (Down).

To accept an entry from the list:


- Tap on the entry.  
The list closes once an entry is accepted.

## Selecting a search area

The Search Area button, used to select a map area, is located at the top of a location entry window. Once an area is selected, a code on the button reflects the selection. For example, if the United States is selected, "USA" appears on the button. If the Canadian province of Alberta is selected, the code "AB" is shown.



When you enter a destination for the first time, the SEARCH AREA list opens. To select an area that is different from the one currently shown, do the following:

1. Tap  (Search Area).  
The SEARCH AREAS list opens.
2. Tap on the area (country, state, or province) in which your destination lies.  
The code for the selected map area appears on the Search Area button.



**Note:** Only areas that are represented on the currently loaded map may be selected.

3. Tap  (OK).

## Selecting Destinations

### Enter an Address

To find a location by address, you can specify a:

City first                                      If you do not know the exact street number.

Street first                                    If you do not know the actual city.

### Search for POI

Points of Interest, (POIs) are useful locations that are organized according to particular criteria. POIs include airports, restaurants, hotels, gas stations, government offices, banks, hospitals, shopping centers, etc. Icons representing the POIs can be displayed on the map.

Nearby    POIs nearby are special destinations that are located within a given radius of your current location. This means you can always find the nearest gas station, for example, no matter where you are.

Nationwide                                        POIs of nationwide significance are airports, places of interest, national monuments, etc. This enables you to find places of interest, for example, without having to know the actual place where it is located.

In a City    POIs in a given location can be useful when navigating in an unfamiliar town.

Direct Access                                    POI direct access system contains three categories of special destinations. POIs in your vicinity that correspond to these categories can be listed quickly, without the need for additional entry.

### By Tapping on the Map

You may indicate a destination directly on the map. In addition to towns and streets, you may also select POIs.

## Entering an address

### Specifying a city first

In the MAIN WINDOW:

1. Tap New Destination > Enter an Address.
2. Select (City First).



The ADDRESS WINDOW opens.

3. Enter the name of the city or the postal code of the destination location.



4. Enter the name of the destination street.
5. Enter the house number. If you don't know the number of the house, leave this field blank to display the Intersection field.  
If you don't know the house number, but know the name of a nearby side street, tap on the Intersection field and enter the name of this street. The navigation system calculates a route to the intersection of the streets you have entered.



**Note:** You do not have to enter all the address details. If you only specify the:

- Town - a route is calculated to the town center.
- Town and street - a route is calculated to the center of the street.

6. Tap the Start Navigation button.  
The map opens in **Preview** mode.



**Note:** For detailed information, see "Starting Navigation" on page 41.



## Specifying a street first

In the MAIN WINDOW:

1. Tap New Destination > Enter an Address.
2. Select (Street First).



The ADDRESS WINDOW opens.

3. Enter the name of the destination street.



4. Enter the house number. If you don't know the number of the house, leave this field blank to display the Intersection field.  
If you don't know the house number, but know the name of a nearby side street, tap on the Intersection field and enter the name of this street. The navigation system calculates a route to the intersection of the streets you have entered
5. Tap the Start Navigation button.



**Note:** You do not have to enter all the address details. If you only specify the:

- Town - a route is calculated to the town center.
- Town and street - a route is calculated to the center of the street.

The map opens in **Preview** mode.




**Note:** For more information, see "Starting Navigation" on page 41.

## Selecting a Point of Interest (POI) Destination

### POIs nearby

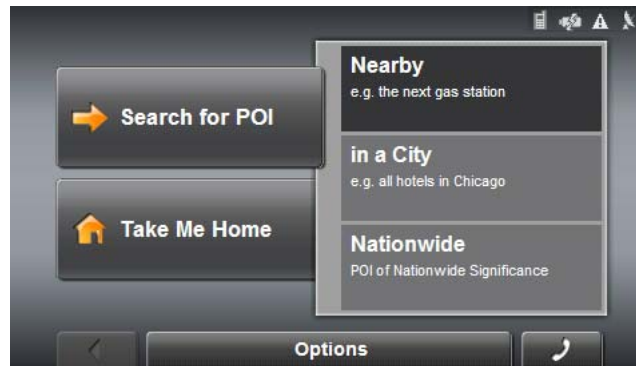


**Note:** GPS reception must be sufficient for determining position. You can see if GPS reception is sufficient by looking at the  (**GPS Ready**) symbol. For more detailed information, see “GPS” on page 18.

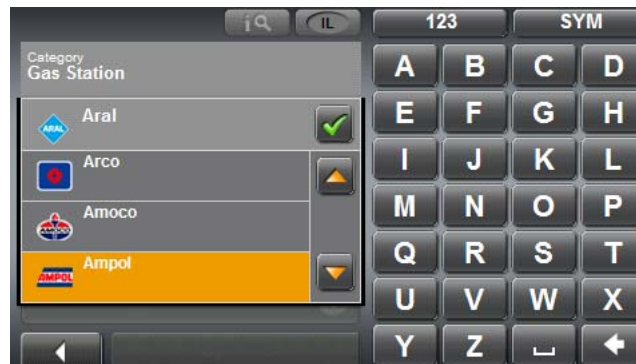
---

In the MAIN WINDOW:

1. Tap New Destination > Search for POI.
2. Select POI Nearby.



3. Specify a category from which you would like to select a POI.



4. If sub-categories exist, specify a sub-category.  
The Name of the Destination list opens. It contains the nearest POIs in the category, sorted by distance.
5. Tap on the name of the destination.



6. Tap Start Navigation.

The map opens in **Preview** mode.



For more information, see "Starting Navigation" on page 41.

## National POIs

In the MAIN WINDOW:

1. Tap New Destination > Search for POI.
2. Select Nationwide



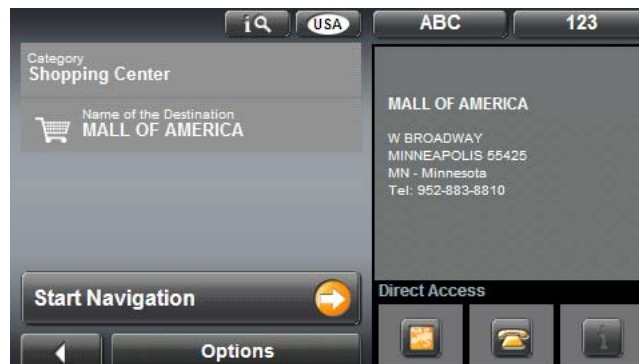
The POI OF NATIONAL SIGNIFICANCE WINDOW opens.

3. Specify a category from which you would like to select a POI.



The Name of the Destination list opens. It contains the nearest POIs in the category, sorted by distance.

4. Tap on the name of the destination.



5. Tap Start Navigation.

The map opens in **Preview** mode.



For more information, see “Starting Navigation” on page 41.

## ***POIs in a specified city***

In the MAIN WINDOW:

1. Tap New Destination > Search for POI.
2. Select in a City.



3. Enter the name or the postal code of the destination location.

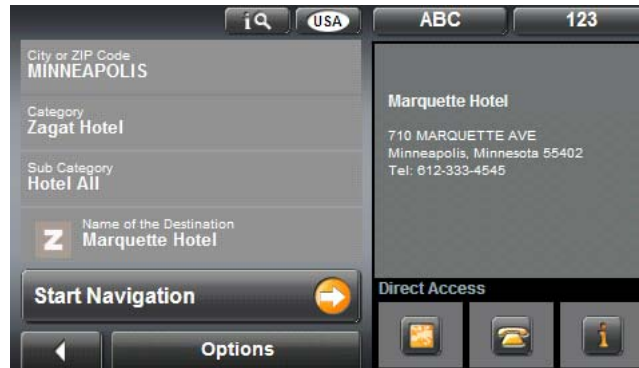


4. Specify a category and, if present, a sub-category.  
The Name of the Destination list opens. It contains POIs from the specified category, sorted alphabetically.
5. Type the beginning characters of the POI name.  
A list of POIs containing the entered characters displays.



The more characters in the POI name that you type, the shorter the returned list will be. For more information see "Using auto-complete to select a destination" on page 25.

6. Tap on the name of the destination.



7. Tap Start Navigation.

The map opens in **Preview** mode.



For more information, see “Starting Navigation” on page 41.

## POI Direct Access



**Note:** GPS reception must be sufficient for determining position. You can see if GPS reception is sufficient by looking at the (GPS Ready) symbol. For more detailed information, see “GPS” on page 18.

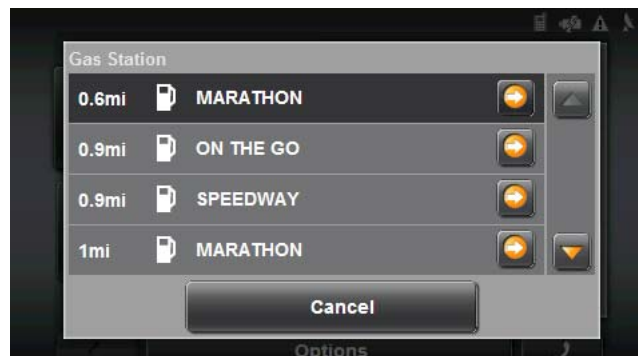
In the MAIN WINDOW:

1. Tap New Destination.

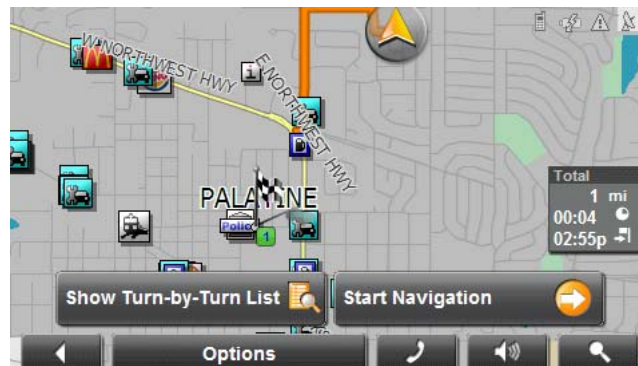


The symbols of the categories which have been selected for direct access can be seen in the menu at the bottom.

2. Tap on a category from which you would like to select a POI.



The Name of the Destination list opens. It contains the nearest POIs in the specified category, sorted by distance.





3. Tap on the name of the destination.

The map opens in **Preview** mode.




For more information, see “Starting Navigation” on page 41.

### Select direct access POI categories

In the MAIN WINDOW:

1. Tap Options > Settings
2. Tap POI.



3. In the Direct Access 1 field, tap  (List) and select a POI category.
4. Repeat the above step in the Direct Access 2 and Direct Access 3 fields.
5. When finished, tap Done to save the changes.

## Information about the POI

For many destinations that you specify, there may be further information available.

For example, for many restaurants there is a telephone number available. You can then call the restaurant in order to reserve a table.



On the DESTINATION SELECTION WINDOW, the following buttons are available:

	<u>Destination Info</u>	Opens the DESTINATION INFO WINDOW. It contains basic information about the POI including address and phone number.
	<u>Show on Map</u>	Show the POI on a map relative to your current location.
	<u>Call the POI</u>	Phone the POI.
	<u>Zagat Information</u>	Displays Zagat survey information about the POI. (This button is only available for Zagat POIs.)



**Note:** The Call function is only available when the **NAVIGON 7100** is connected via Bluetooth to a mobile phone. For detailed information about connecting to a mobile phone, see “Connecting to a mobile phone” on page 77.

## Selecting a Destination by Tapping the Map

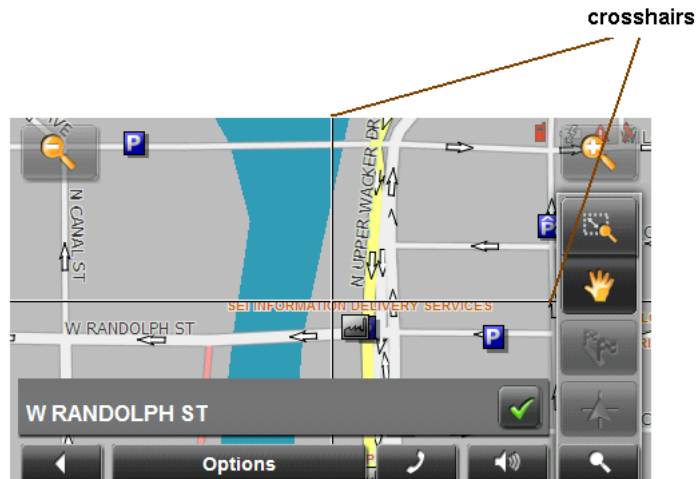
In the MAIN WINDOW:


1. Tap **Options** > **Show Map**.
2. Tap  (**Destination search**).

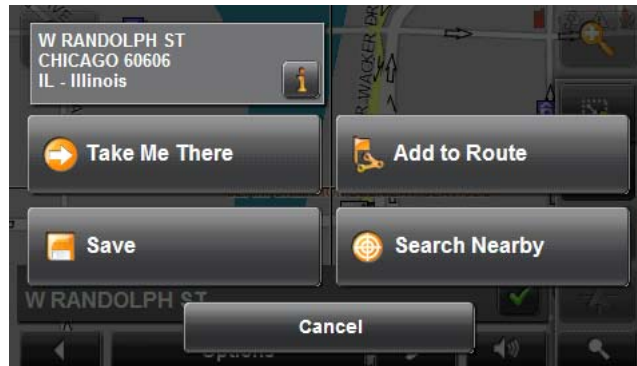


The map opens in **Destination search** mode.

3. Tap on the point to which you wish to navigate.  
The destination that you have selected appears under the cross hairs.



4. Tap  (**OK**).  
The **DESTINATION ON MAP WINDOW** opens. Detailed address information for the selected destination is displayed in the upper left-hand corner.



5. Tap Take Me There.

The map opens in **Preview** mode.



For detailed information on how to start navigation, see “Starting Navigation” on page 41.

## Starting Navigation

The map is open in **Preview** mode.

The navigation destination is depicted by a small flag. The route and the estimated trip time are displayed.

- Tap the Start Navigation button or start driving.

## Quiting Navigation

- Tap  (Back).

You are prompted to confirm the navigation cancellation.


The MAIN WINDOW opens.

## No GPS reception

If the received GPS signal is insufficient, the following message appears:



You have the following options:

- Wait until GPS reception is sufficient for determining position, the route is recalculated and you can begin navigation.
- Tap the Cancel button. The MAIN WINDOW opens. Your destination is saved in the LAST DESTINATIONS list.
- Tap the Demo button. The route is calculated using the center of the specified location as starting point. Subsequently, navigation of the route is simulated.
- Tap  (Back) to end the demonstration.

## Arriving at Your Destination

A message displays when you have reached your destination.

Your current position, indicated by an orange triangle, is shown on the map.

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# Zagat Points of Interest (POIs)


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With lifetime Zagat POIs, your **NAVIGON 7100** can select from thousands of POIs and view customer survey ratings for a selected POI.

## Zagat POI Categories

Zagat survey information features over 30,000 points of interest (POIs) in hundreds of cities.

The **NAVIGON 7100** offers Zagat survey information for the following five categories:

- |   |              |  |
|---|--------------|--|
|  | Attractions  | Shopping centers and entertainment venues. |
|  | Golf Courses | Public, semi-private and resort courses.   |
|  | Hotels       | Hotels, resorts, and spas.                 |
|  | Nightlife    | Nightspots and dance club.                 |
|  | Restaurants  | Food, decor, service, and cost.            |

## Search for Zagat POIs


Zagat POIs are returned with any POI search.



---

**Note:** Zagat POI information is not available for all locations.

---

Zagat categories appear first in the list of returned locations. A  (Zagat POI) appears in front of a Zagat category.

## View Zagat POI Information

On a POI DESTINATION SELECTION WINDOW:

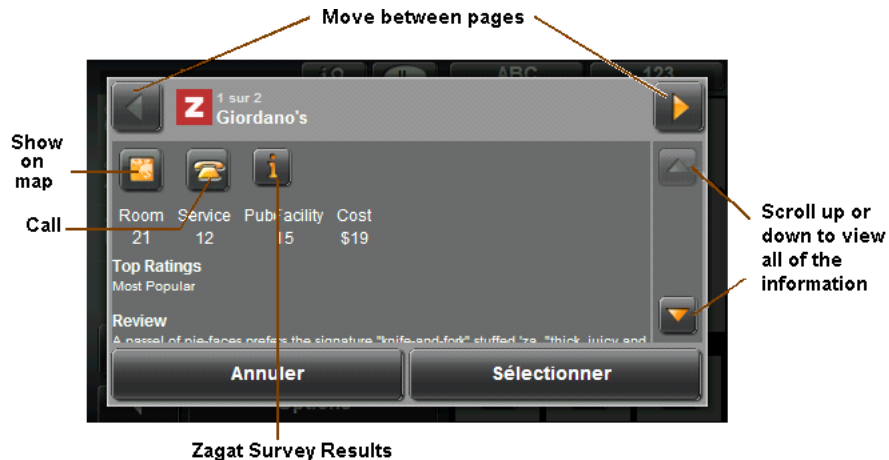
1. Tap on a Zagat POI category.
2. If sub-categories exist for the category, tap the subcategory.
3. Tap on the name of a POI.

The DESTINATION INFO WINDOW opens and displays basic POI information.




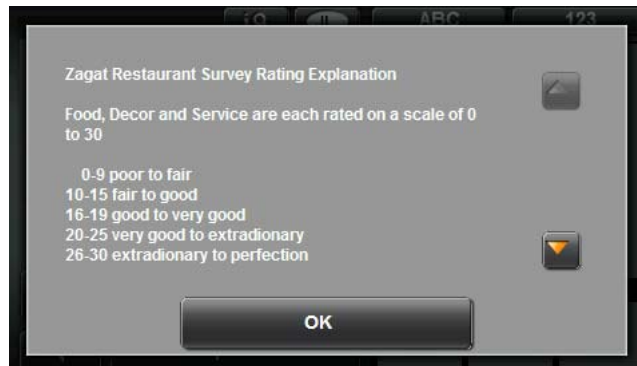
4. Tap  (Zagat Information) to view Zagat survey information about the POI.

The ZAGAT DETAIL WINDOW opens and displays detail information for the POI including hours of operation, costs, offered services, etc.





5. Tap  (Additional Zagat Information) for an explanation of Zagat Survey results.



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# My Destinations

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Every destination that you enter, and the destinations from the LAST DESTINATIONS list may be saved to the FAVORITES list. This makes sense if you frequently navigate to a particular destination.

## Saving a Destination

1. Enter a destination. (See “Selecting Destinations” on page 25.)  
**Note: Do not tap the Start Navigation button!**
  2. Tap Options > Save Destination.
- OR -
1. Select a destination from the LAST DESTINATIONS list. (See page 49.)  
**Note: Do not tap the Start Navigation button!**
  2. Tap Options > Save as Favorite.



The SAVE DESTINATION AS ... WINDOW displays.

3. Enter a name for the destination.
4. If you want to define the destination as your home address, tap on the  (Toggle) button so that the value Yes is highlighted in black.
5. Tap Save.

## Saving the current location using GPS

In the GPS STATUS WINDOW, you can view information on the current state of received GPS signals.

GPS status is available via the options of several windows.

1. Tap Options > GPS status.



The current location can be stored in the FAVORITES list.

2. Tap the Save Position button.  
The SAVE DESTINATION AS... WINDOW opens.
3. In the Name field, provide a name for the location.
4. Specify whether your current position should be stored as the home address.
5. Tap Save.

### ***Saving your home address as a destination***

Only one destination from the FAVORITES list can be defined as your home address. You can navigate to this destination very quickly by tapping the Take Me Home button in the MAIN WINDOW.

1. Select the destination which you want to define as your home address. (See "Selecting a destination from the Favorites list" on page 50.)
2. Tap Options > Home Address.

The selected destination has now been saved as your home address. Your home address now appears in the FAVORITES list marked by a house symbol.

## Selecting a Saved Destination

The following lists are available for selection in **NAVIGON 7100** under My Destinations.

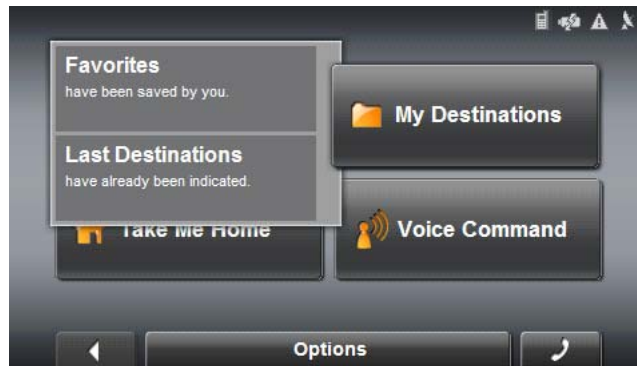
- **LAST DESTINATIONS:** The last 30 destinations that you have previously navigated to.
- **FAVORITES:** Up to 300 destinations that you have stored in your **NAVIGON 7100**.

### Selecting a destination from the Last Destinations list

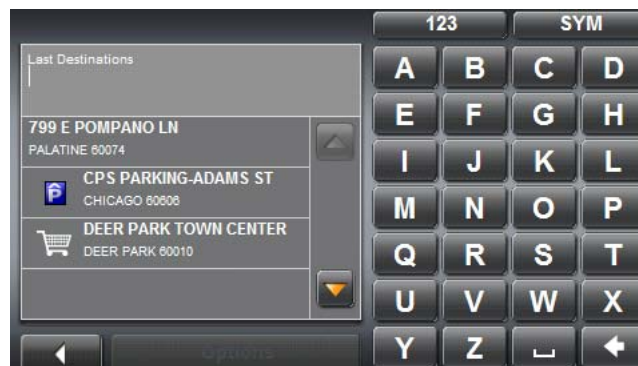
**NAVIGON 7100** saves the last 30 destinations to which you have navigated in the LAST DESTINATIONS list.

In the MAIN WINDOW:

1. Tap My Destinations > Last Destinations.



2. Tap the destination to which you would like to navigate.



3. Tap the Start Navigation button.

The map opens in **Preview** mode.



For more information, see "Starting Navigation" on page 41.

## Selecting a destination from the Favorites list

Destinations to which you often travel can be saved in the FAVORITES list.

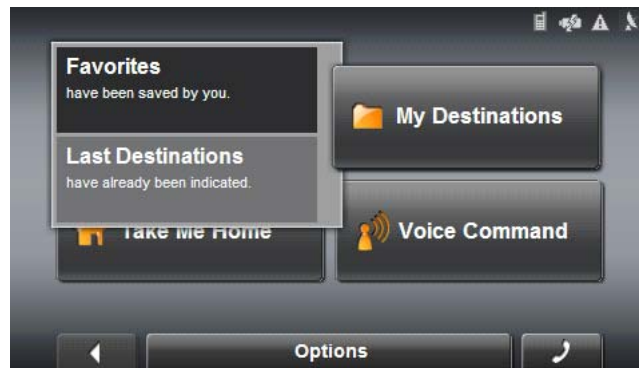
In the FAVORITES list, up to 300 destinations can be saved.



Information on how to store a destination can be found in “Selecting Destinations” on page 25.

In the MAIN WINDOW:

1. Tap My Destinations > Favorites.



2. Tap the destination to which you would like to navigate.



3. Tap the Start Navigation button.

The map opens in **Preview** mode.



For more information, see “Starting Navigation” on page 41.

## Navigating Homewards

In **NAVIGON 7100** you can save your address as home address. You can navigate to your home address at anytime by activating a single button.

The first time you tap the Take Me Home button, you are prompted to enter your address.



For more information, see “Saving your home address as a destination” on page 48.

In the MAIN WINDOW:

- Tap the Take Me Home button.

Navigation, using the current route profile information to calculate the route, begins.



For more information, see “Starting Navigation” on page 41.

## Using Voice Commands

You can designate voice commands to destinations in the FAVORITES list so that you can start navigation to these destinations 'on command'. The route profile used for the previous navigation applies.



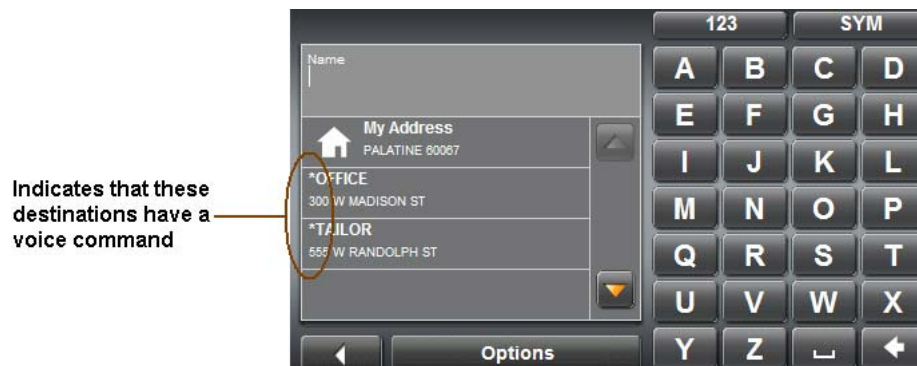
You can add a voice command when you save the destination or at a later time.

### ***Saving a destination with a voice command***

1. Select the destination from the FAVORITES list for which you would like to set up a voice command. (See "Selecting a destination from the Last Destinations list" on page 49.)
2. Tap Options > Store a Voice Command.
3. After the beep, speak the name of the destination.  
You are prompted to repeat the voice command into the **NAVIGON 7100** for the selected destination.
4. Repeat the command for the selected destination into the **NAVIGON 7100**.

The window closes.

The destination now appears in the FAVORITES list marked by a symbol indicating that it has a voice command.



### ***Selecting a destination using a voice command***

In the MAIN WINDOW:

1. Tap the Voice Command button.
2. When prompted, repeat the voice command that you have stored for the desired destination into the **NAVIGON 7100**.  
A window displays the name of the destination.
3. Tap the Start Navigation button.

The map opens in **Preview** mode.



## Working With Routes

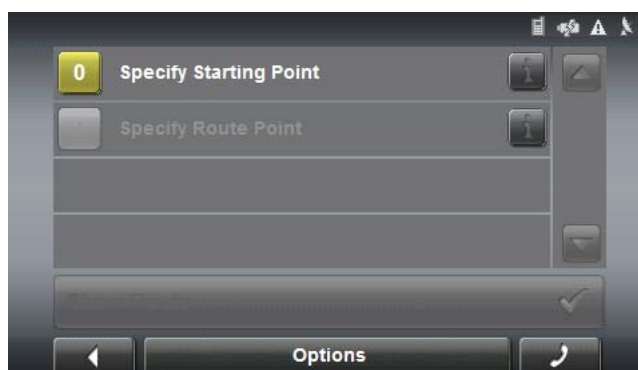
---

With the **NAVIGON 7100**, you can preplan routes. Planned routes can be saved for later use, allowing you to create as many routes as you like.

### Accessing the Route Planning Window

In the MAIN WINDOW:

1. Tap the Options button.  
The options list opens.
2. Tap the Route Planning option.  
The ROUTE PLANNING WINDOW displays.



### Entering the starting point

The starting point of a route is the point at which you want to begin your trip. This does not need to be the current location. If you are at home planning a route for your vacation, you could, for example, enter your hotel as the starting point.

The starting point is only important if you want to see a planned route on the map, but currently have no GPS reception, or you are not currently at the planned starting point. The starting point that you enter therefore has the flow number "0".

As soon as you begin navigation, your current location is used as the starting point for the route calculation.

The first stage is the trip to the route point with the flow number "1".

On the ROUTE PLANNING WINDOW:

1. Tap the Specify Starting Point button.  
The STARTING POINT menu opens.
2. Select:
  - Enter an Address to search for a location address.
  - Search for a POI to search for a POI.
  - My Destinations to select a location from the FAVORITES or LAST DESTINATIONS lists.
  - My Address to select your home address. (Only available if you have already specified a home address.)

- Current Position to specify your current position as the starting point.
3. Enter the starting point. (See the corresponding section of “Selecting Destinations” on page 25.)
  4. Tap the Set Starting Point button.

The selected starting point displays next to the 0 (Starting Point) button.

## Changing the starting point

On the ROUTE PLANNING WINDOW:

- Tap the Specify Starting Point field.

The STARTING POINT menu opens. To enter a different starting point, repeat the above steps.

## Entering route points

Route points are destinations on the route that you want to navigate to.

The flow number for each route point can be found on a button in front of it.

On the ROUTE PLANNING WINDOW:

1. Tap the Add Route Point field.  
The ROUTE POINT menu opens.
2. Tap on the button for the desired destination entry type.
3. Enter the route point. (See the corresponding section of “Selecting Destinations” on page 25.)
4. Tap the Add button.  
The selected route point is shown next to its flow number.
5. Repeat these steps for each additional destination that you want to add to your route.

## Changing the order of route points

Route points can be deleted from a route. The order of the route points can be varied as you wish.



---

**Note:** The start point (flow number "0") cannot be moved or deleted.

---

On the ROUTE PLANNING WINDOW:

- Tap on the route point that you want to edit.  
The context menu contains the following buttons:



Route Point Up - Moves the selected route stage forwards. (Example: route point 2 becomes route point 1).



Route Point Down - Moves the selected route point backwards. (Example: route point 2 becomes route point 3).



Delete - Deletes the selected route point. You are prompted to confirm the deletion.

## Managing Routes

You can save each planned route under a particular name.



**Note:** Only the start point and route points are saved, not the calculated route. If you load a route that has been saved, it must be recalculated before navigation can begin.

You can load, rename or delete stored routes.

### ***Saving routes***

On the ROUTE PLANNING WINDOW:

1. Enter a starting point and at least one route point.
2. Tap Options > Save Route.
3. Enter a name for the route.
4. Tap Save.

The route is now saved to the SAVED ROUTES list.

### ***Loading routes***

On the ROUTE PLANNING WINDOW:

1. Tap Options > Saved Routes.
2. Tap the route that you want to load.
3. Tap Load Route.

The ROUTE PLANNING WINDOW opens. The starting point and the route points of the loaded route have been entered.

## Navigation

The route must first be calculated, then you can begin navigation or view a simulation of the route.

### ***Calculating and displaying routes***

You can calculate and display a several versions of a planned route to determine which route you wish to take. To calculate and display a route, the starting point and at least one route point must be entered.

On the ROUTE PLANNING WINDOW:

1. Load a saved route.  
- OR -
  1. Create a starting point and at least one route point.
  2. Tap the Show Route button.  
The map opens in **Preview** mode.

The starting point and the route points are marked by flags. For each stage, the distance and the estimated trip time is given. This information is also displayed for the entire route.

3. Tap the Start Navigation button or start driving.



---

If GPS reception is impaired, navigation is interrupted. The navigation software remains active.

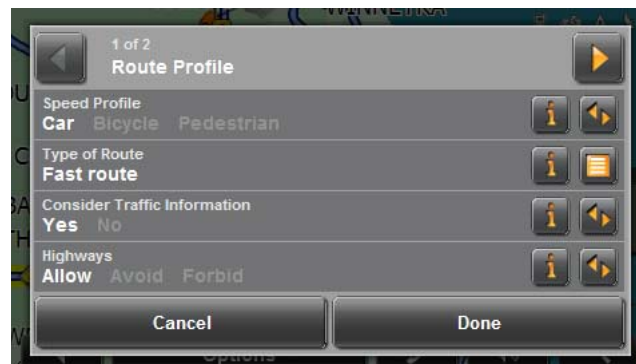
As soon as GPS reception is restored, the navigation system calculates any change of position which has occurred in the meantime. Navigation can continue.

---

### ***Viewing the Route Profile***

The calculation of a route is based on route options.


1. Create a new or load a saved route.
2. Tap Options > Route Profile.  
The ROUTE PROFILE WINDOW opens.



3. When finished, press Done to return to the map in **Preview** mode.



---

**Note:** If you change the route options, these remain valid for subsequent navigation. You can get information regarding changing individual route profiles by tapping the corresponding  Help button.

---

## Simulating Routes

It is also possible to simulate navigation.



---

**Note:** The reception of GPS signals is not necessary for simulation. Simulation is restricted to routes of a maximum of 60 miles.

---

### ***Starting a route simulation***

You have calculated and displayed a route.

- Tap Options > Simulation.

The route is recalculated for simulation purposes. Simulation starts when calculation has finished.

### ***Ending a simulation***

You may end simulation at any time.

- Tap  (Back).

You are prompted to confirm the navigation cancellation.

The MAIN WINDOW opens.

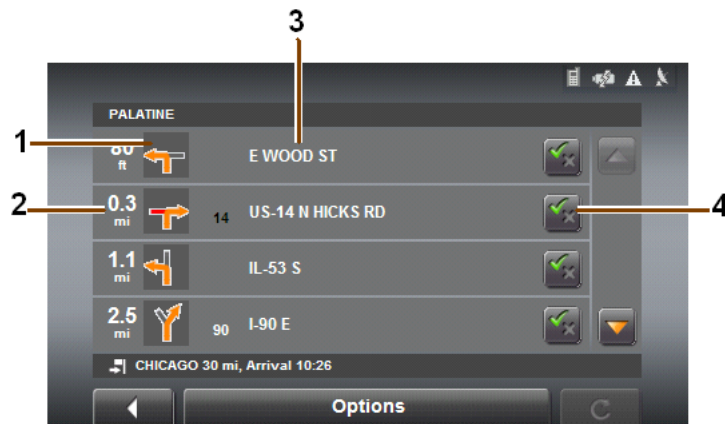
## Viewing a Turn-By-Turn List

You can display detailed directions of the calculated route before starting navigation or at any time during navigation. This list displays all of the driving instructions in table form.

With the map displayed in **Preview, Navigation, Reality View** mode.

- Tap the Show Turn-by-Turn List button.

The TURN-BY-TURN LIST WINDOW opens.



1. Schematic depiction of the next junction where you must turn.
2. Distance to this junction.
3. Name of the street onto which you must turn.
4. Indicates whether you want to travel on the route section or not.






Allow - The relevant section may be included on the route.



Forbid - The relevant section may not be included on the route.

### Blocking route sections

1. Tap on the route sections that you do not want to travel on, so that the  (Forbid) symbol appears next to them.
2. Tap  (Modify Route).  
The navigation system calculates an alternative route avoiding the route sections selected. The new driving instructions are displayed in the TURN-BY-TURN LIST WINDOW.
3. Tap  (Back) to close the TURN-BY-TURN LIST WINDOW.

### Removing blocks and using original routes

Section blocks can be removed at anytime.

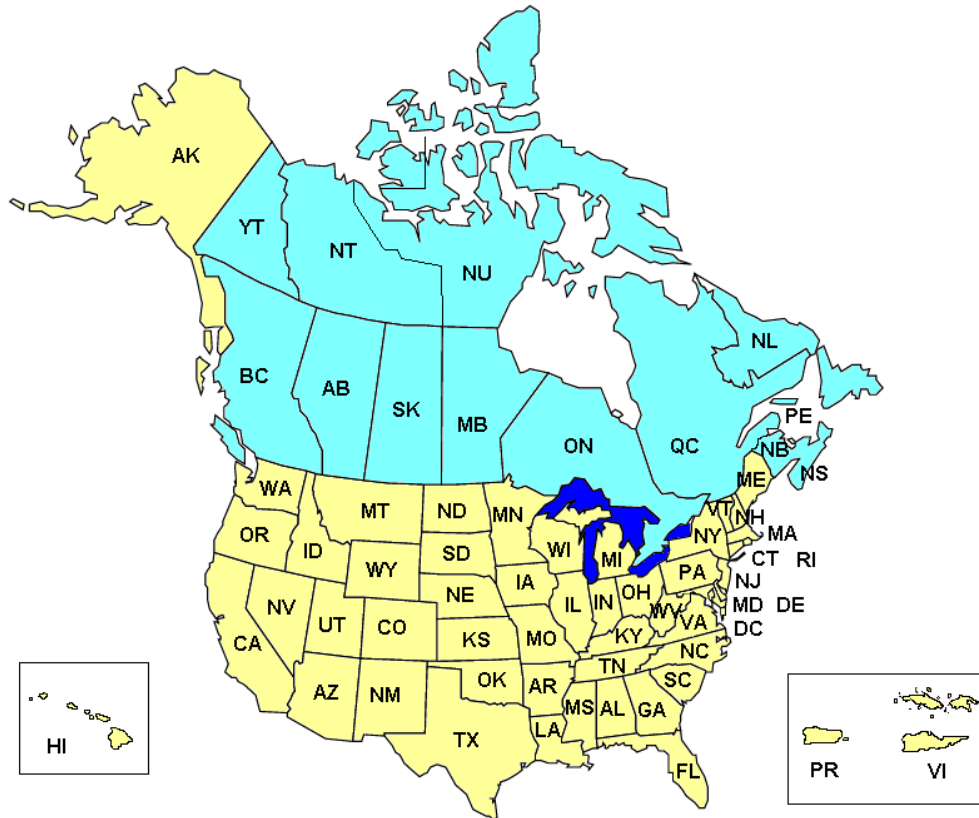
In the TURN-BY-TURN LIST WINDOW:

- Tap Options > Calculate original route.

# Working With Maps

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Your **NAVIGON 7100** comes with maps of the 48 contiguous United States, Alaska, Hawaii, Puerto Rico and the Virgin Islands, and all 13 Canadian provinces/territories.

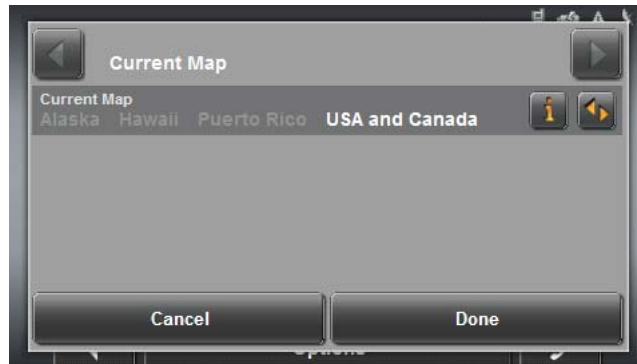


## View information on the current map

Even if you have stored several navigation maps on the navigation system's memory card, **NAVIGON 7100** can only operate with one map at a time.


On the MAIN WINDOW:

- Tap Options > Settings > Current Map.  
The CURRENT MAP WINDOW opens.



## Selecting a different map

On the MAIN WINDOW:

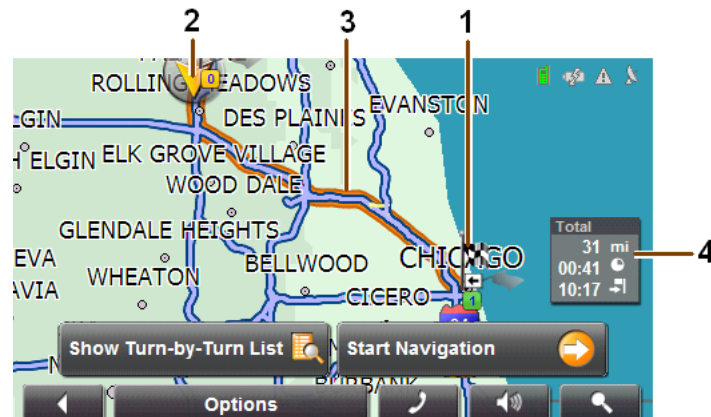
1. Tap Options > Settings > Current Map.  
The CURRENT MAP WINDOW opens.
2. Tap  (Toggle) and select a different map.



## Map in Preview Mode

- You have entered a destination and tapped the [Start Navigation](#) button.  
- OR -
- You have planned or loaded a route and tapped the [Show Route](#) button.


The map opens in **Preview** mode. The entire route is visible.



1. The destination is marked with a small flag.  
When you have planned or loaded a route and displayed it, the starting point and each route point are marked with a small flag.
2. A triangle in orange indicates your current position.  
If you display a planned or loaded a saved route and the specified starting point is not the same as your current location, the current position may or may not be shown on the preview.
3. The route is highlighted in orange.
4. The total distance for the route is shown in a small informational box, together with the estimated trip time and the estimated time of arrival.  
This information can be displayed or hidden by tapping on [Options](#) > [Settings](#) > [Basic Settings](#).

If you display a route with several stages, this information is shown for each stage.

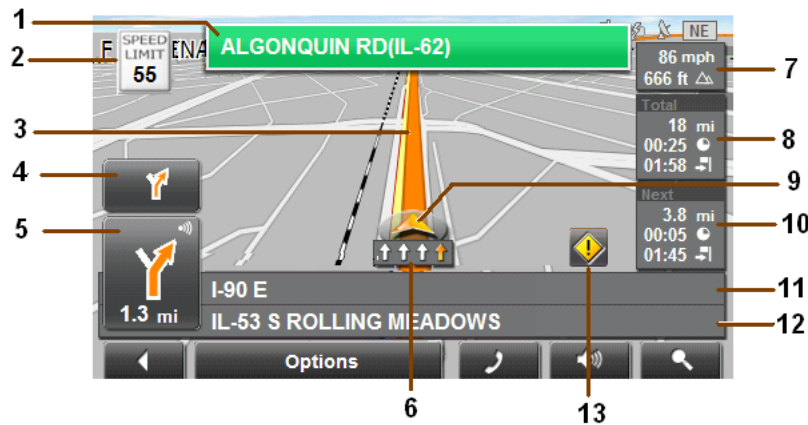
Tap:

- The [Show Turn-by-Turn List](#) button to view detailed directions for the route.  
(See “Viewing a Turn-By-Turn List” on page 58.)
- The [Start Navigation](#) button to begin the journey.  
When you display a planned or loaded route, the route may be recalculated. Starting point for the calculation is your current location. You are guided to the first route point entered.
- [Options](#) > [Route Profile](#) to view or change the settings on which the route calculation is based
-  ([Destination search](#)) to view the map in **Destination search** mode.  
See “Map in Destination Search Mode” on page 64.

## Map in Navigation Mode

After the route has been viewed in **Preview** mode, navigation begins.

The map opens in **Navigation** mode.



1. Sign posts to be followed is displayed here.
2. Posted speed limits are displayed here (where available).
3. The route is marked in orange.
4. When two maneuvers need to be executed in quick succession, the small arrow field indicates the second maneuver to be executed.
5. The large arrow field shows a simplified illustration of the next maneuver. The remaining distance to the junction is displayed below the arrow.  
As you get closer to the junction, a spot diagram appears.



The nearer you get to the junction, the more yellow spots are displayed.

If you don't have to change direction for a longer period, only a forward facing arrow is shown. The distance for which you are to follow the road you are on is displayed beneath the arrow.



- Tap the large arrow field to hear current route instructions.
6. The traffic lanes to be followed to your destination are shown in orange
  7. The current speed and the height above sea level are displayed here.
  8. The remaining distance to the destination, the estimated duration of the trip, and the estimated time of arrival are shown here.
  9. A triangle in orange indicates your current position on the map. The map area displayed continually changes so that your current position is always centered on the map.
  10. If you are navigating a route with several stages, the remaining distance, estimated duration of the trip, and the estimated time of arrival for the next interim destination is shown in the **Next** field.

11. The name of the next stretch of road that you must travel on is displayed in the upper street field.
12. The name of the street you are currently travelling on is displayed in the lower street field.
13. **TMC shortcut** button. The TMC shortcut button only displays when traffic messages have been received and are currently available. Tap the button to display the TRAFFIC INFORMATION WINDOW.




**Note:** The displays for many of the above mentioned fields can be configured via **Options > Settings > Basic Settings**. Some displays only function if the corresponding information is available on the map.

**Note:** If you tap on the large arrow field, the current route instruction is repeated.

- Tap **Options > Show Turn-by-Turn List** to view detailed directions for the route. (See "Viewing a Turn-By-Turn List" on page 58.)
- Tap  (**Destination search**) to view the map in **Destination search** mode. (See "Map in Destination Search Mode" on page 64.)
- Tap  (**Back**) to quit navigation.

## Map functions in Navigation mode

When the map is open in **Navigation** mode, tap any point on the map. Buttons with various functions are displayed.

<u>2D/3D</u>	Changes between 2D and 3D mode. The symbol for the mode that is currently set is marked orange.
<u>Day/Night</u>	Changes between "day" and "night" display modes. The symbol for the mode that is currently set is marked orange.
<u>Interim Destination</u>	Opens a menu for entering an interim destination. The navigation system first guides you to this interim destination. Afterwards, you can continue navigation to your original destination.
<u>Skip Route Point</u>	Tap this button to omit the next route point. This button is inactive when less than 2 route points are pending.
<u>Block</u>	Tap this button in order to block a section of the route that lies in front of you. For example, if you've heard of a traffic jam ahead on the radio, you can recalculate the route in order to avoid the affected section of the route. Tap this button again to remove the block.
<u>POI on Your Route</u>	Tap this button to display POIs on your route. This enables you to find out, for example, how far it is to the nearest services. A destination shown here can be added as an interim destination by tapping the  ( <b>Interim Destination</b> ) button to the right of its entry in the list.

## Map in Destination Search Mode

The map is always in **Destination search** mode when a pair of cross hairs can be seen.

When you are driving, the map's orientation does not change. It is always oriented with north at the top.



**Zoom Out:** The map section shown becomes larger, but you see fewer details.



**Zoom In:** The map section becomes smaller, but you see more details.



**Zoom Mode:** When this button is active, you can plot a map section with the stylus or with your finger.

Plot the map section from upper left to bottom right and it zooms to fit the size of the screen.

Plot the map section from bottom right to top left, and the map zooms out.



**Pan Mode:** When this button is active, you can move the map section with the stylus or with your finger. Tap the map in the desired direction.



**Entire Route:** Zooms the map so that the entire route is visible.



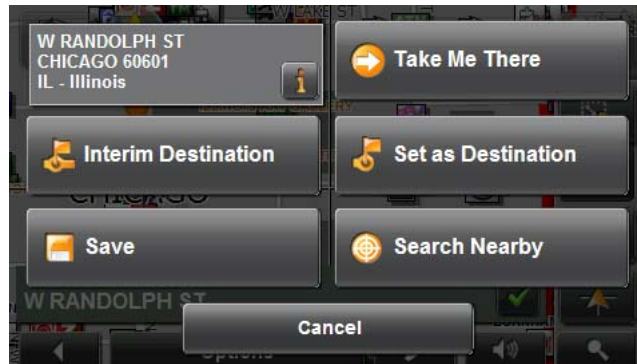
**Current Position:** Selects the map section shown so that the current location is centered.

## Operating in Destination search mode

1. Tap on the point to which you wish to navigate.  
The destination that you have selected appears under the cross hairs.

2. Tap  (OK).

Buttons with various functions appear.



### Take Me There

Begins navigation to the selected point. If you are currently navigating, navigation stops.

### Interim Destination

Sets the selected point as an interim destination. The navigation system first guides you to this interim destination. Afterwards, you can continue navigation to your original destination.

This function is only active during navigation.

### Set as Destination

Adds the selected point as the last point in the route plan. If no route plan was open, the selected point becomes the first point in a new route plan.

### Save



Opens the SAVE DESTINATION AS... WINDOW. You can enter a name under which the selected point is stored in the FAVORITES list.



For more detailed information, see "Saving a Destination" on page 47.

### Search Nearby

Opens the POI NEARBY WINDOW. Here you can search for destinations near the specified point. (See "POIs nearby" on page 30.)

- Tap  (Destination search) to quit the **Destination search** mode. You return to the window from which you started this mode.
- Tap  (Back) to return to the MAIN WINDOW. If you are currently navigating, you are prompted to confirm navigation cancellation.

## Reality View (Junction View)



**Note: Reality View** mode is not available for every highway junction. Availability is dependent on the map data in use.

When, during navigation, you approach an highway junction, the map changes to **Reality View** mode.



The **Reality View** mode shows the sign posts and lanes you must follow. This map mode displays until you have passed the highway junction. Once past the junction, the map changes back to **Navigation** mode.

### **Switching to Navigation Mode**

If you want to change to **Navigation** mode before you have passed the junction:

- Tap any point on the map.

## TMC (Traffic Information)

---

If your device has an integrated TMC receiver, or if you have connected an external TMC receiver, the navigation system can receive the latest traffic information available. If necessary, it can change your route dynamically in order to avoid a traffic jam, for example.

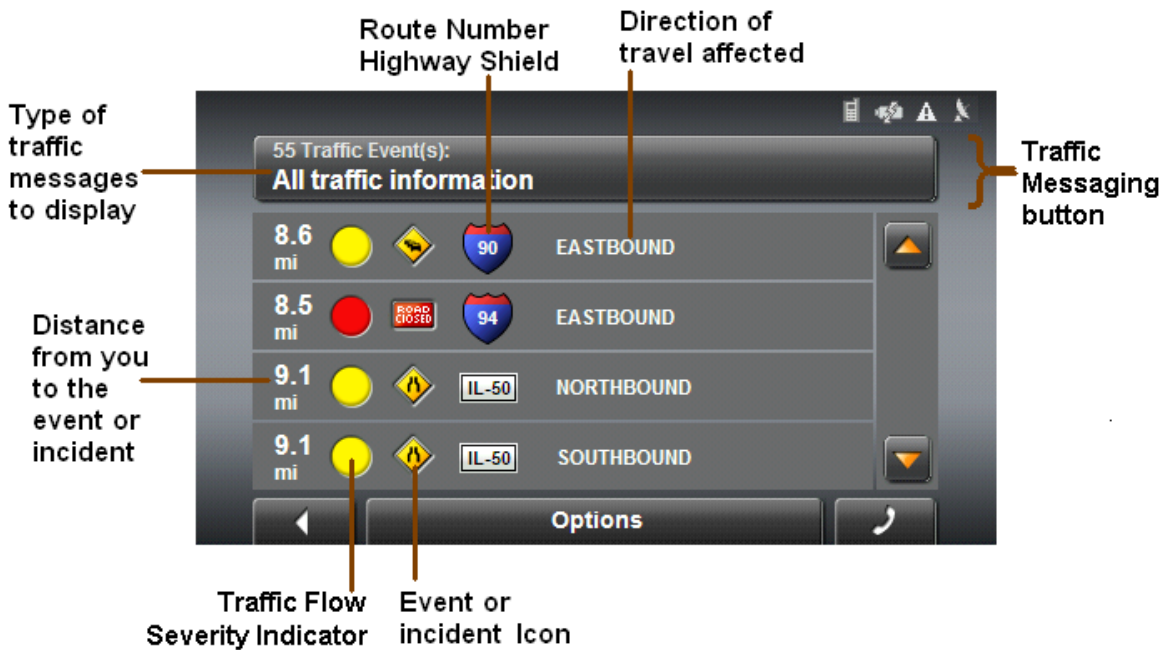
### ***Accessing the TMC (Traffic Information) Window***

Traffic information can be accessed from the MAIN WINDOW as well as several other windows.

From the MAIN WINDOW:

- Tap Options > Traffic.  
The TRAFFIC INFORMATION WINDOW opens.

## The (TMC) Traffic Message Window






### Types of Messages

<u>All traffic information</u>	Information on all traffic events (severe and moderate traffic jams and obstructions) and weather warnings received in the area, based on TMC antenna reception.
<u>On route</u>	Information on all traffic events (severe and moderate traffic jams and obstructions) and weather warnings occurring along the route.
<u>Not on route: all</u>	Information on all traffic events (severe and moderate traffic jams and obstructions) and weather warnings not occurring on the route, based on TMC antenna reception.
<u>Not on route: traffic jams</u>	Information on severe traffic events (traffic jams) not occurring on the route, based on TMC antenna reception.
<u>Not on route: obstructions</u>	Information on moderate traffic events (obstructions) not occurring on the route, based on TMC antenna reception.
<u>Not on route: weather warnings</u>	Information on weather warnings not occurring on the route, based on TMC antenna reception.














## Severity Indicators

The color of the severity indicator reflects the impact of the traffic occurrence on traffic flow:

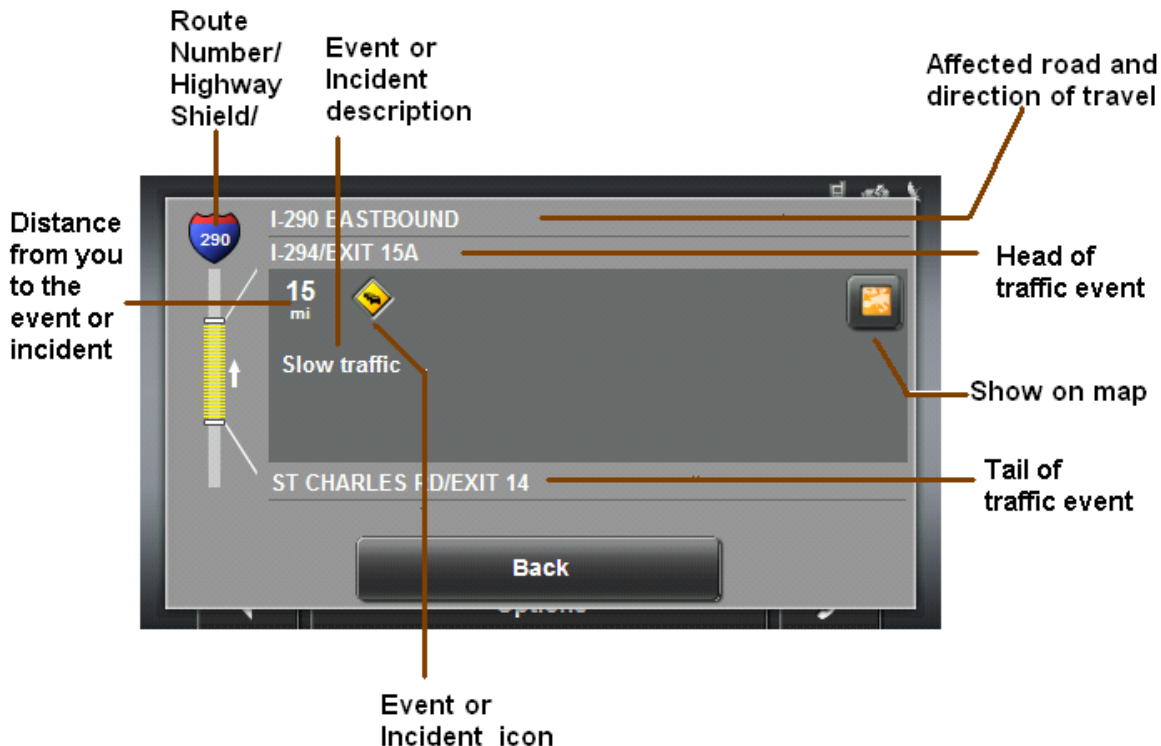
	Red	Heavy traffic, expect delays.
	Yellow	Slow moving traffic.
	Green	Normal traffic flow.

## Event or Incident Icons

On the Traffic Information window, the following icons are used to represent traffic events or incidents:

	Slow traffic.		Construction.
	Accident.		Slippery road due to weather (snow, ice, rain, etc.).
	General problem affecting traffic flow.		Wind.
	Lane closures.		Flooding.
	Road closed or blocked.		Informational only. No negative affect on traffic flow.
			Ramp problems. On- or off-ramp closures, etc.

## TMC Detail Window



## Displaying traffic messages

The traffic reports that are currently valid are available via the options of several windows.

1. Tap **Options** > **Traffic**.


The TRAFFIC INFORMATION WINDOW opens.

Above the list, the **Traffic information** button indicates the type of traffic information listed (on-route, off-route, etc.) and how many messages of this type are listed.

For each traffic message in the list, information about the location and type of traffic obstruction is displayed.

2. Tap a message to view more information on the traffic event.

The TMC DETAIL WINDOW displays.

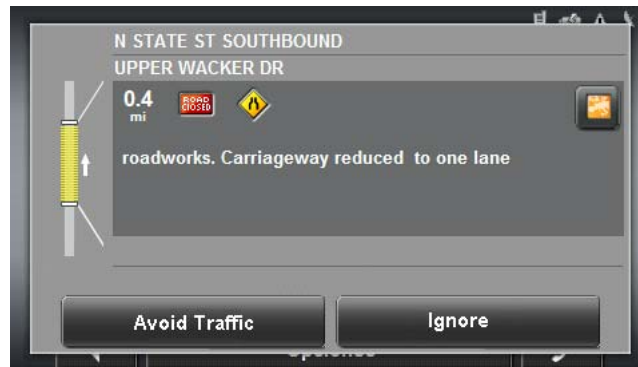
3. When finished, tap  (**Back**) to return to the TRAFFIC INFORMATION WINDOW.

## Requesting a route recalculation





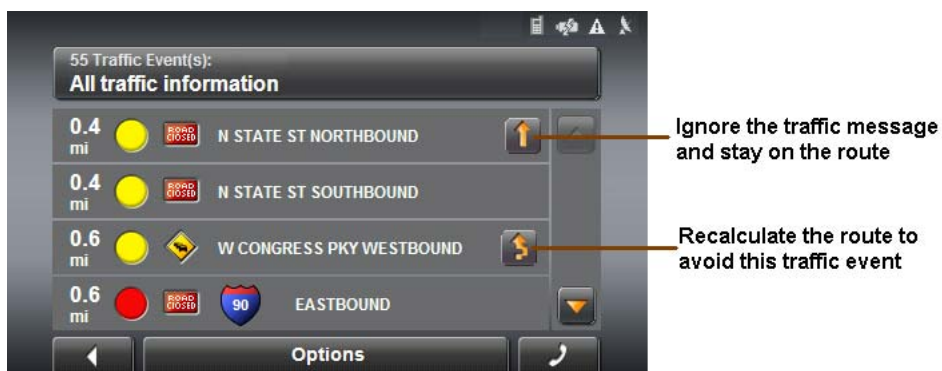
**Note:** This procedure is only available when the TMC Setting Recalculate Route is set to On Request. For more information, see “Select Reroute Settings” on page 73.


During navigation, a message displays when a traffic message indicates a traffic event exists on your current route. Details of the event are shown on the TMC DETAIL WINDOW.



On the TMC DETAIL WINDOW:

1. Select how you want the traffic block to be handled. Options are:
  - Avoid Traffic      The navigation software recalculates a route to avoid the traffic obstruction. A  (Avoid) appears next to the traffic segment on the TMC (TRAFFIC MESSAGE) WINDOW.
  - Ignore              The navigation software ignores the traffic message and remains on the current route. A  (Ignore) appears next to the traffic segment on the TMC (TRAFFIC MESSAGE) WINDOW.
2. Tap the button to select the alternative setting.



3. Tap  (Back) to close the TRAFFIC INFORMATION WINDOW.

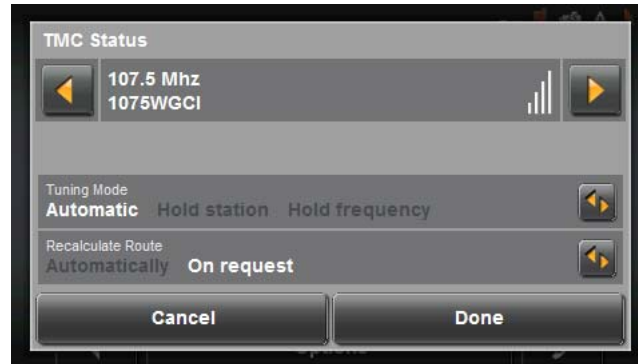
## TMC Settings window

In the TMC SETTINGS WINDOW, you can set and configure the TMC receiver, these settings determine how received traffic messages will affect subsequent routing.

On the MAIN WINDOW:



1. Tap Options > Traffic.
2. Tap Options > TMC Settings.

The TMC SETTINGS WINDOW displays.



### Select another station


On the TMC SETTINGS WINDOW:

- Tap  or  to tune into another station.

### Select Tuning Mode Settings

On the TMC SETTINGS WINDOW:


1. In the Tuning Mode field and select a TMC receiver option.

<u>Automatically</u>	The system searches for another station if reception becomes poor.
<u>Hold station</u>	The system searches for the same station on a different frequency if the signal becomes poor.
<u>Hold frequency</u>	The system does not search for another station if reception becomes poor.
2. Tap  (Toggle) to switch between options.  
The selected value is in bold.
3. Tap the Done button to save your changes.

## Select Reroute Settings

You can select whether the navigation software recalculates a route automatically when a TMC message indicates that a problem exists on your current route.

On the TMC SETTINGS WINDOW:


1. In the Recalculate Route, select how you want to set route recalculation:
  - Automatically The navigation system determines when to recalculate a route and when to ignore a traffic event, based on the severity of the impact on traffic flow. When a traffic message is received that severely impacts your current route, the navigation software displays a message indicating that it has recalculated a route avoiding the event.
  - On request Each received traffic message displays on screen. You can specify whether to calculate an alternative route.
2. Tap  (Toggle) to switch between options.  
The selected value is in bold.
3. Tap the Done button to save your changes.

## Specify the type of traffic messages to display

On the MAIN WINDOW:

1. Tap Options > Traffic.  
The TRAFFIC INFORMATION WINDOW opens.



On the Navigation map, the  (TMC shortcut) button can also be used to display the TRAFFIC INFORMATION WINDOW. The TMC shortcut button displays when traffic messages have been received and are currently available. See “Map in Navigation Mode” on page 62.

The Traffic information button shows the type of traffic messages listed and how many messages of this type are listed.

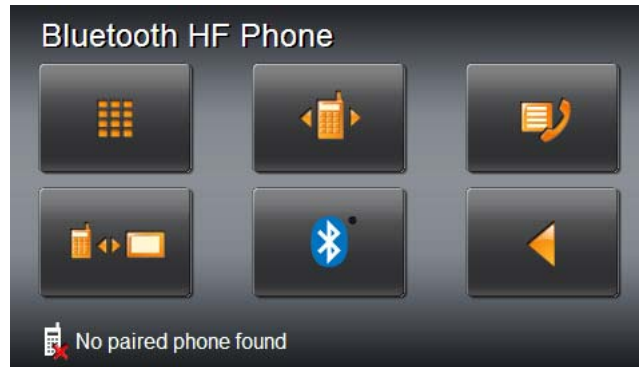


2. Tap the Traffic information button to view a list of available traffic message types. Options are:

<u>All traffic information</u>	Information on all traffic events (severe and moderate traffic jams and obstructions) and weather warnings received in the area, based on TMC antenna reception.
<u>On route</u>	Information on all traffic events (severe and moderate traffic jams and obstructions) and weather warnings occurring along the route.
<u>Not on route: all</u>	Information on all traffic events (severe and moderate traffic jams and obstructions) and weather warnings not occurring on the route, based on TMC antenna reception.
<u>Not on route: traffic jams</u>	Information on severe traffic events (traffic jams) not occurring on the route, based on TMC antenna reception.
<u>Not on route: obstructions</u>	Information on moderate traffic events (obstructions) not occurring on the route, based on TMC antenna reception.
<u>Not on route: weather warnings</u>	Information on weather warnings not occurring on the route, based on TMC antenna reception.
3. Tap on the types of traffic messages to display.
4. Tap the OK button to save your changes.

# Bluetooth (Hands-Free Operation)

With **NAVIGON 7100**, you can use Bluetooth to operate your mobile phone hands-free.



On the BLUETOOTH HF PHONE WINDOW, you can:



(Keypad)

Use this keypad to enter a telephone number. (See "Dialing a telephone number" on page 78.)



(Connect)

Tap to establish a connection between the two devices. (See "Connecting to a Telephone" on page 77.)



(Call History)

Tap this button to view a list of previous calls. (See "Calling most recently dialed, received or missed numbers" on page 78.)



(Use hands-free)

Tap this button to pair to a phone. (See "Transferring a call from a mobile telephone" on page 80.)



(Bluetooth Manager)

Tap this button to view or change Bluetooth settings.



(Return to Previous)

Tap this button to return to the previous window.

## Starting Hands-Free Operation


In the navigation software:

1. Tap  (Hands-Free Operation).

The KEYPAD WINDOW opens.




If your mobile phone is connected to **NAVIGON 7100**, you are now able to dial a number.

2. Tap on  (Bluetooth HF Phone) to open the BLUETOOTH HF PHONE WINDOW. Here you can connect **NAVIGON 7100** to a mobile phone or open the CALL HISTORY list.

## Ending Hands-Free Operation

In the BLUETOOTH HF PHONE WINDOW:

- Tap  (Return to Previous).



## Connecting to a Telephone

**NAVIGON 7100** must be connected to a mobile phone in order to use the telephone functions.


### ***Pairing with a mobile phone***

Pairing describes the procedure involved when connecting two Bluetooth devices for the first time. It is necessary to enter a password into both devices in the process. This password is stored on both devices, so that further entry is not necessary by subsequent connections.

Pairing must be initiated from the mobile phone.



See your mobile phone user's manual if you are uncertain about how to carry out the following steps on the mobile phone.

1. Ensure that Bluetooth is activated on the mobile phone.
2. Using the mobile phone, search for other Bluetooth devices.  
The navigation device is detected as **NAVIGON 7100**.
3. Initiate a connection to the detected **NAVIGON 7100** device.  
You are prompted to enter the mobile phone password.
4. Enter a four digit password (user defined).  
On **NAVIGON 7100**, the **PASSKEY REQUESTED WINDOW** opens.
5. In the Passkey field, enter the same password that was entered in the mobile phone.
6. Tap  > OK.  
The **BLUETOOTH HF PHONE WINDOW** opens.

A connection is established between the two devices. At the bottom edge of the screen, the name of the connected mobile phone is displayed.

### ***Connecting to a mobile phone***

The word connect describes any subsequent connections between paired Bluetooth devices. No further password entry is necessary when connecting.

Connections must be initiated using **NAVIGON 7100**. Ensure that Bluetooth is activated on the mobile phone.




In the **BLUETOOTH HF PHONE WINDOW**:

- Tap  (Connect).

A connection is established between the two devices. At the bottom edge of the **BLUETOOTH HF PHONE WINDOW**, the name of the connected mobile phone is displayed.

## Answering a Call




When you receive a call, the INCOMING CALL WINDOW opens. If available, the caller's phone number is shown.

- Tap  (Pick up) if you want to accept the call.  
The CALL IN PROGRESS WINDOW opens.
- Tap  (Hang up) if you do not want to take the call.
- Tap  (Ring Tone Off) if you want to turn off the ring tone.

## Making a Call









With **NAVIGON 7100** you can make a call in various ways:

### *Dialing a telephone number*

1. In the navigation software, tap  (Hands-Free Operation).  
- OR -  
In the BLUETOOTH HF PHONE WINDOW, tap  (Keypad).
2. Enter the desired telephone number.
3. Tap  (Make a call).

### *Calling most recently dialed, received or missed numbers*

On the MAIN WINDOW:

1. Tap  (Hands-Free Operation) then  (Call History).  
- OR -  
In the BLUETOOTH HF PHONE WINDOW, tap  (Call History).
2. Select one of the following lists:
  -  (Incoming calls)
  -  (Outgoing calls)
  -  (Missed calls)
3. Tap on the desired number.
4. Tap repeatedly on  (Make a call) until a '+' is displayed on the button ().

The number is dialed as soon as you release the button.



**Note:** Incoming and missed calls only appear in the CALL HISTORY list when the caller's telephone number was transmitted.

---

## ***Dialing on the mobile phone***

When **NAVIGON 7100** is connected to a mobile phone, it functions as a hands-free kit even when the number was dialed from the mobile phone. You can also make use of the mobile phone's telephone book.



**Note:** Calls made from the mobile phone do not appear in the CALL HISTORY list.

---

## **During a Call**

You are calling using the hands-free operation. The CALL IN PROGRESS WINDOW is open.

The dialed telephone number, the duration of the call and the volume are displayed.



**Note:** The telephone number is not displayed if the caller is using a mobile phone.

---

## ***Adjusting the volume***

In the CALL IN PROGRESS WINDOW:

- Tap  (Louder) or  (Quieter) to adjust the volume of the conversation.


The volume level displays in the CALL IN PROGRESS WINDOW.

This setting does not affect the volume of the navigation instructions.

## ***Muting the microphone***

During the call, you can mute the microphone so that you can talk to someone else.

In the CALL IN PROGRESS WINDOW:


- Tap on  (Mute) to switch off the microphone.

The modified icon on the button indicates that the microphone has been muted.

- Tap on  (Mute) to switch the microphone on again.

## ***Transferring a call to a mobile phone***

In the CALL IN PROGRESS WINDOW:


1. Tap  (Use mobile phone).
2. Pick up the mobile telephone and continue the conversation.

The CALL IN PROGRESS WINDOW remains open.

## ***Transferring a call from a mobile telephone***

With **NAVIGON 7100**, you can transfer a call from your mobile phone if a Bluetooth connection exists between the two devices.

In the CALL IN PROGRESS WINDOW:

1. Tap  (Use hands-free).
2. Continue the call on the hands-free kit.

You are prompted to confirm the call transfer.



---



**Note:** If Bluetooth is activated on the mobile phone, the connection can also be established during a call. (See “Connecting to a mobile phone” on page 77.)

---

## ***Entering numbers***

You can enter numbers during a call. This may be the case, for example, if a further connection via a telephone system is necessary.

In the CALL IN PROGRESS WINDOW:

1. Tap  (Keypad).  
The appearance of the button changes. The keyboard opens.
2. Enter the desired numbers.
3. Tap  (Keypad) again to close the keyboard.

## ***Bringing the navigation software to the foreground***





You can bring the navigation software to the foreground at any time. In this way, you can bring the map to the foreground during a call when you are navigating with **NAVIGON 7100**.

- Tap  > Navigation.

The navigation software is now in the foreground. The **CALL IN PROGRESS** bar at the top of the display indicates that a telephone connection exists at present. If known, telephone number also displays.




You have the following options:

- Tap  or  (Mute) to switch the microphone on or off again.
- Tap  (Hang up) to end the call.
- In the navigation software, tap on  (Hands-Free Operation) to bring the hands-free operation to the foreground.

## Ending a Call

In the CALL IN PROGRESS WINDOW:

- Tap  (Hang up) to end the call.

The BLUETOOTH HF PHONE WINDOW opens.

## Troubleshooting Bluetooth Operations

Practically all of the problems that may arise with the hands-free operation can be solved in the following way:

1. Open the BLUETOOTH HF PHONE WINDOW.
2. Deactivate Bluetooth on the mobile phone.

After a few seconds, the following message appears:

“No paired phone found.”

3. Activate Bluetooth on your mobile phone again.

In the BLUETOOTH HF PHONE WINDOW:

4. Tap  (Connect).

A connection is established between the two devices. At the bottom edge of the BLUETOOTH HF PHONE WINDOW, the name of the connected mobile phone is displayed.



Consult the mobile phone's manual if you are uncertain about how to activate or deactivate Bluetooth on your mobile phone.

If no connection can be established between the two devices, they must be paired again. For more information, see “Pairing with a mobile phone” on page 77.

# Logbook

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You can use the **NAVIGON 7100** to record of your vehicle mileage for tax purposes or for expense reports. The logbook is recorded in the Logbook.xls file. You can open the file with the Microsoft Excel spreadsheet program. Each recorded trip is added at the bottom of the spreadsheet as a new entry.

When first used, the Logbook.xls file is created in the MN6\Logbook directory on the navigation device's memory card. If you delete or move this file, a new file is created when you next record a trip.

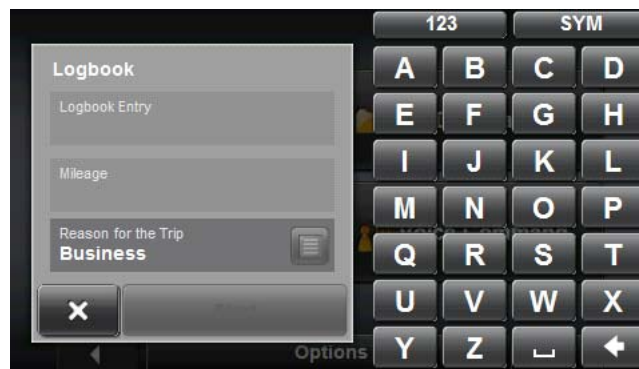
The device supports various types of trips for which one could record mileage. You can record mileage for Business, Personal, Commutes to work, etc.



---

**Note:** Once started, every movement of the vehicle is recorded, even when you are not navigating.

---



## Starting a recording

From the MAIN WINDOW:

1. Tap Options > Logbook.
2. Enter the required details.
3. Tap Start.

## Stopping the recording

From the MAIN WINDOW:

1. Tap Options > Logbook.
2. Tap Stop.



---

**Note:** A window opens when you have reached your destination. Specify whether you would like to end logbook recording.

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# Customizing Your *NAVIGON 7100*

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## *Accessing the Settings Window*

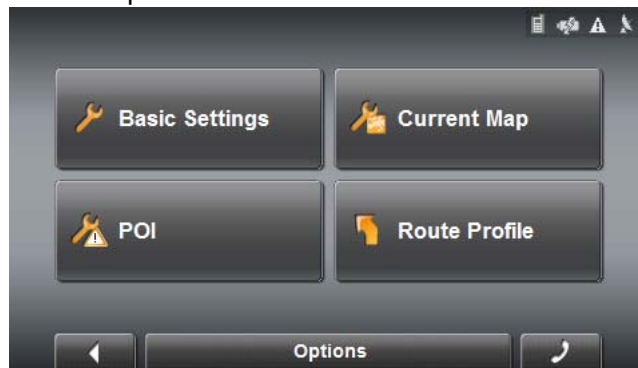
The settings can be reached from the MAIN WINDOW as well as several other windows.

From the MAIN WINDOW:

- Tap Options > Settings.

## The Settings Window

The SETTINGS WINDOW is where you can customize your *NAVIGON 7100* to suit your personal needs and preferences.



The SETTINGS WINDOW has several buttons.

- Tap a button to open the corresponding settings window.

## *Basic settings*

These settings include:

### Language

Select the language to display on the screen. Options are English, French, or Spanish.

### Speak Street Names

Indicate whether street names are spoken during navigation.

### Reality View

Indicate whether Reality View displays a visual representation of an approaching junction. Highway signs and the lane to be used are indicated. (This feature is dependent on the selected map and may not be available in all areas.)

### 2D Zoom Factor

Indicate how auto-zoom behaves by default when a 2D view mode is selected. The zoom changes, based on speed. When driving slower, the map scale gets smaller. When driving faster, the map scale gets larger. Options are no automatic zoom, smaller or larger map sections, or standard.

### 3D Map:Show Street Names

Indicate whether to show street names on maps displayed in 3D view mode.

<u>2D Map:Show Street Names</u>	Indicate whether to show street names on maps displayed in 2D view mode.
<u>2D Map Orientation</u>	Indicate the orientation of maps shown in 2D map view mode. Options are: Direction of Travel (the direction you are driving is always at the top of the map), or Always North (magnetic North is always at the top of the map).
<u>Show Altitude and Speed</u>	Show or hide the altitude and current speed on a displayed map.
<u>Display Compass</u>	Show or hide a small compass on screen during navigation.
<u>Show Remaining Distance</u>	Show or hide the distance remaining to the destination or an interim destination, if applicable.
<u>Show Duration of Journey</u>	Show or hide the travel time remaining to the destination or an interim destination, if applicable.
<u>Show Time of Arrival</u>	Show or hide the time of arrival at the destination or an interim destination, if applicable.
<u>Info When Crossing Borders</u>	Show or hide local speed restrictions when crossing a country border.
<u>Show Speed Limits</u>	Select whether to show highway speed limits. Options are always, only when exceeding the speed limit, or never.
<u>Warnings Within Urban Areas</u>	Indicate whether a warning displays when exceeding the speed limit in densely populated areas. Options are to never warn, or to display a warning when 5, 10, 15 or 20 mph over the stated speed limit.
<u>Warnings Outside of Urban Areas</u>	Indicate whether a warning displays when exceeding the speed limit in less densely populated or rural areas. Options are to never warn, or to display a warning when 5, 10, 15 or 20 mph over the posted speed limit.
<u>Warn Against Certain Speed Limits</u>	Show or hide speed limit restrictions in force during special situations, such as rain, snow, time of day restrictions, etc.
<u>Menu Animation</u>	Indicate whether the opening of menus is animated.
<u>Distance Unit</u>	Indicate the distance unit to be used, either Miles or Kilometers.
<u>Time Format</u>	Indicate how times are displayed, either a 12 hour format (with am and pm), or a 24 hour format.
<u>Coordinates Display</u>	Show or hide coordinates.
<u>Coordinate Format</u>	If coordinates are shown, indicate whether they display in decimal format or in minutes and seconds format.

<u>Brightness Day</u>	Indicate the display brightness for use during the daytime. Options are from 1 (less bright) to 8 (most bright).
<u>Brightness Night</u>	Indicate the display brightness for use at night. Options are from 1 (less bright) to 8 (most bright).
<u>Speed-Dependent Volume</u>	Indicate whether you want the volume level to increase when your speed increases. Options are never, yes with a low amplification, or yes with a high amplification.
<u>In-Store Demo</u>	Enable or disable the in-store demo. (When enabled, the demo starts after 5 minutes.)

## **POI Settings**

These settings include:

<u>Categories Shown</u>	Specify the number of POI categories that are shown on the displayed map.
<u>Direct Access 1</u>	Select the first POI category to display for use with the POI direct access and POI nearby functions.
<u>Direct Access 2</u>	Select a second POI category to display for use with the POI direct access and POI nearby functions.
<u>Direct Access 3</u>	Select a third POI category to display for use with the POI direct access and POI nearby functions.

## **Current Map Settings**

These settings include:

<u>Current Map</u>	Displays information on the currently displayed map. If additional maps are available, you can select a different map. Options are: Alaska, Hawaii, Puerto Rico, or USA and Canada.
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## **Route Profile Settings**

These settings include:

<u>Speed Profile</u>	Select the type of transport, such as, car, bicycle, or pedestrian. This is used for calculating routes and arrival times.
<u>Type of Route</u>	Select the type of route to be calculated: Fast, Optimum, Short, or Scenic.
<u>Consider Traffic Information</u>	Select whether TMC (traffic information) is used when calculating a route. (This requires a TMC receiver and may not be available in all areas.)
<u>Highways</u>	Select whether highways are included in a calculated route.
<u>Toll Roads</u>	Select whether toll roads are included in a calcu-

Ferries

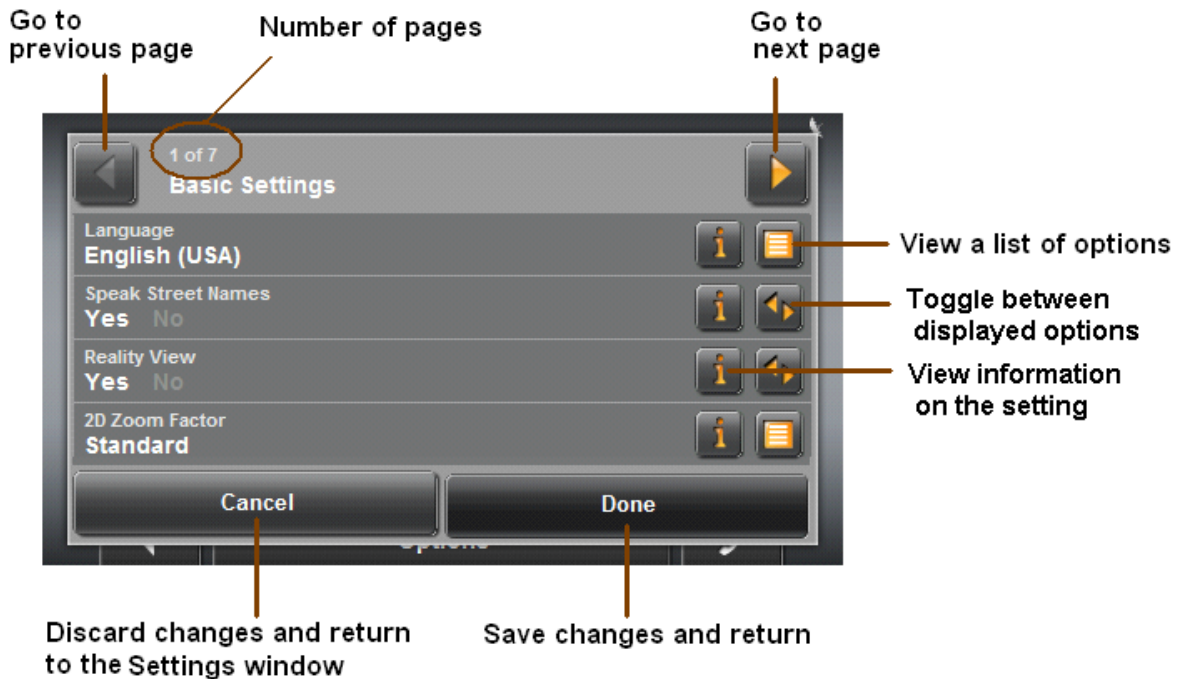
lated route.

Select whether ferries are included in a calculated route.

Calculate the Next Stage

For routes with multiple stages. After reaching a route point, select whether the next stage is calculated automatically.

## Selecting Options




### Moving between pages

The settings of the individual windows are distributed on several windows.

- Move between windows by tapping  (To the Left) and  (To the Right).


### Viewing a list of options for a setting

Some settings have several valid options. These settings can be selected from a list. The value that is currently valid is shown.


1. Tap  (List).  
A list with all potential values opens. The value that is currently valid is marked.
2. Tap the value to be used.
3. Tap the OK button.  
The list closes. The new value displays.

### Toggleing between options

Some settings can only accept two or three different values. All values are displayed with the currently selected value shown in black.

- Tap  (Toggle) to alternate between values.

## ***Viewing information about a setting***

For each setting there is a  (Help) button. When you tap it, you see a precise explanation of the corresponding setting.

## ***Saving changes***

- Tap the Done button.  
Any changes you have made are saved.

The SETTINGS WINDOW opens again.

## ***Discarding changes***

- Tap the Cancel button.  
Any changes you have made are discarded.

The SETTINGS WINDOW opens again.

# Legal Notices

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## NOTICE TO DRIVERS IN CALIFORNIA AND MINNESOTA

State law prohibits drivers in California and Minnesota from using mounts on their windshields while operating motor vehicles. NAVIGON does not take any responsibility for any fines, penalties, or damages that may be incurred as a result of disregarding this notice. (See California Vehicle Code Section 26708(a); Minnesota Statutes 2005, Section 169.71)

## GPS

Underwriters Laboratories Inc. ("UL") has not tested the performance or reliability of the Global Positioning System ("GPS") hardware, operating software or other aspects of this product. UL has only tested for fire, shock or casualty hazards as outlined in UL's Standard(s) for Safety (UL 60950-1, cUL 991). UL Certification does not cover the performance or reliability of the GPS hardware and GPS operating software. UL MAKES NO REPRESENTATIONS, WARRANTIES OR CERTIFICATIONS WHATSOEVER REGARDING THE PERFORMANCE OR RELIABILITY OF ANY GPS RELATED FUNCTIONS OF THIS PRODUCT.

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# Technical Data

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## Specifications

Dimensions		5.1" x 3.5" x .9"
Weight		ca. 195 g
Operating conditions	Operating temperature	-10°C to 60°C
	Storage temperature	-20°C to 70°C
	Humidity	0% to 90%, non-precipitating
CPU		Samsung 2440-400Mhz
Operating System		Microsoft Windows® CE Net 5.0
Display		4.3"-LCD-Color display with resistive Touch-Panel 480 x 272 Pixels (WQVGA) Landscape format, permeable
Memory	ROM	256 MB
	RAM	64 MB
GPS		Built-in (SiRF GPS III, 20 channels) Built-in antenna Socket for external antenna
TMC		Built-in (GNS FM4_V7)
I/O	Stylus	Plastic-stylus
	Keyboard	Software keyboard
	Loudspeaker	Built-in
	Microphone	Built-in
	Headset	3.5 mm phone jack
	Memory card	SD, MMC
	USB	USB 1.1
	Bluetooth	CSR Bluescore 4
Rechargeable battery	Type	Li-Ion, 1200 mAh
	Period of operation	Up to 4-5 hours of use <sup>1</sup>
Charging	Electronic	Built-in
	Duration	Approx. 6 hours

Power adapter	Input	100-240V ~ (Alternating current, AC)
	Output	5V =, 1A (Direct current, DC)
Car charger cable	Input	12V = (Direct current, DC)
	Output	5V =, 1A (Direct current, DC)

---

1. Some **NAVIGON 7100** features can reduce battery operation time. These include TMC (Traffic Information) service, GPS antenna reception, Daytime backlight feature, etc. When on full power mode, battery time is approx. 2-3 hours.

## **Compliance Notice**

The **NAVIGON 7100** complies with Part 15 of the FCC interference limits for Class B digital devices for home or office use.

*“Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.”*

(Carrier frequency: 1575.42MHz, receiver only)

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