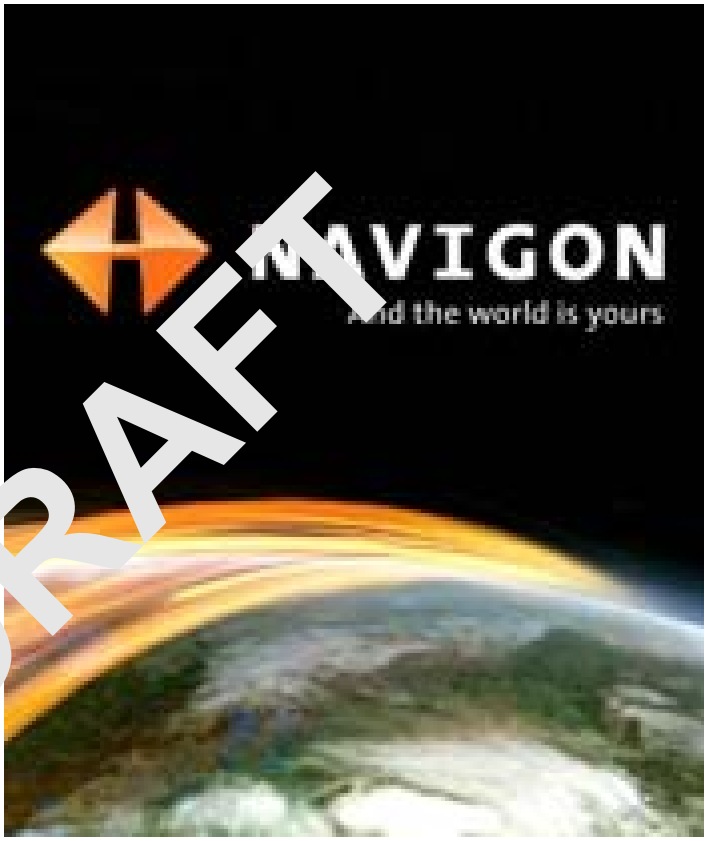
NAVIGON



DRAFT

NAVIGON 21MAX

User's Guide

English (US)

March 2008

DRAFT

Imprint

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

The information contained herein may be changed at any time without prior notification. This manual nor any parts thereof may not be reproduced for any purpose whatsoever without the express written consent of NAVIGON, INC, nor transmitted in any form either electronically or mechanically, including photo-copying and recording. All technical specifications, drawings, etc. are subject to copyright law.

© 2007-2008, NAVIGON, INC

All rights reserved.

End User License Agreement

End User License Agreement (“Agreement”) – This is a legal agreement between you, the end user, and NAVIGON, Inc. (“NAVIGON”). By using all or any portion of the Software you are agreeing to be bound by the terms of this agreement. This Agreement applies to the use of software, pre-installed software on any of our hardware devices and accompanying items, including on CD-ROM, floppy disc, memory card, download package or any other data carriers, and all contents and contents programs (“Software”).

Please read this Contract carefully. By using this software you agree that this Agreement is enforceable like any written negotiated Agreement signed by you. This Agreement is enforceable against you and any legal entity that obtained the software.

If you do not agree to the terms of this Agreement, promptly return the unused software, unopened disk package and the accompanying items to the place where you obtained them for a full refund.

1. OWNERSHIP: It is hereby understood and agreed by you that NAVIGON is the owner of all title, ownership rights, intellectual property rights and copyrights in and to the Software. The Software shall remain the sole and exclusive property of NAVIGON and its licensors and NAVIGON and its licensors will retain all patents, copyrights and other intellectual property rights in the Software, as applicable. You also hereby understand and agree that NAVIGON and/or its third party licensors own all right, title and interest in and to all content included in the Software, including, but not limited to, all intellectual property rights therein (the “Content”).

2. GRANT OF LICENSE: NAVIGON grants you the right to use one copy of the Software, provided it is used on only one computer or hardware device at any time. The Software is in “use” on a computer or hardware device when it is loaded into temporary memory (e.g., hard disk, CD-ROM, or other storage device) of that computer. This license does not grant any right to obtain future upgrades, updates or supplements (“upgrades”) of the Software. Any updates are similarly governed by this Agreement and any accompanying amendments. Updates may be subject to additional costs and provisions.

3. OTHER RESTRICTIONS: Except for the initial loading of the Software onto a Hardware Device or for archival/backup purposes as provided for above, you may not rent or lease, broadcast, present, transfer, or distribute the Software and accompanying written materials. You may not reverse engineer, decompile, reverse engineer or disassemble the Software. If Software is an upgrade, any transfer must include the upgrade and all prior versions. All rights not specifically granted in this Agreement are reserved by NAVIGON.

4. TRANSFER:You may transfer the Software and this Agreement to another party to whom you may transfer the hardware devices and accompanying items if the other party agrees to accept the terms and conditions of this Agreement. If you transfer the Software, you must simultaneously either transfer all copies whether in printed or machine-readable form to the same party or destroy any copies not transferred, including all modifications and portions of the program contained or merged into other programs.

You shall not sub-license, lease, assign, or transfer the Agreement or the Software except as expressly provided in this Agreement. Any attempt otherwise to sublicense, lease, assign, or transfer any of the rights, duties, or obligations hereunder renders this License VOID.

5. LIMITATION OF WARRANTIES AND LIABILITIES:EXCEPT FOR THE LIMITED WARRANTY DOCUMENT INCLUDED WITH THE HARDWARE DEVICE, IF ANY, AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ALL SOFTWARE, OTHER COMPONENTS THEREOF AND SERVICES ARE PROVIDED ON AN “AS IS” BASIS. YOU EXPRESSLY ACKNOWLEDGE AND AGREE THAT YOUR USE OF THE SOFTWARE IS AT YOUR SOLE

DRAFT

RISK AND THAT THE ENTIRE RISK AS TO SATISFACTORY QUALITY, PERFORMANCE, ACCURACY AND EFFORT IS WITH YOU. EXCEPT AS OTHERWISE EXPRESSLY STATED IN THIS AGREEMENT, NAVIGON DOES NOT MAKE, AND HEREBY EXPRESSLY DISCLAIMS, ANY AND ALL EXPRESS AND/OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT AND TITLE, AND ANY WARRANTIES ARISING FROM A COURSE OF DEALING, USAGE OR TRADE PRACTICE. YOU UNDERSTAND AND AGREE THAT THE USE OF THE SOFTWARE IS DONE AT YOUR OWN DISCRETION AND RISK AND THAT YOU WILL BE SOLELY RESPONSIBLE FOR ANY DAMAGES.

TO THE MAXIMUM EXTENT PERMITTED BY LAW AND EXCEPT AS OTHERWISE EXPRESSLY STATED IN THIS AGREEMENT, NAVIGON WILL NOT BE LIABLE OR RESPONSIBLE TO YOU OR ANY OTHER PERSON OR ENTITY FOR ANY TYPE OF DIRECT, INCIDENTAL, SPECIAL, PUNITIVE, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, LOST REVENUE, LOST PROFITS, REPLACEMENT GOODS, LOSS OF PROPRIETARY MATERIAL, RIGHTS OR SERVICES, BUSINESS INTERRUPTION, LOSS OR CORRUPTION OF ELECTRONIC COMMUNICATIONS, OR INTERRUPTION OR LOSS OF USE OF SERVICES OR EQUIPMENT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OTHER PECUNIARY LOSS, AND WHETHER ARISING UNDER THEORY OF CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, EVEN IF NAVIGON HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR THEY ARE FORESEEABLE. IN NO EVENT SHALL NAVIGON'S TOTAL LIABILITY (WHETHER ARISING UNDER A THEORY OF CONTRACT, TORT, INCLUDING NEGLIGENCE, STRICT LIABILITY OR OTHERWISE) UNDER OR IN CONNECTION WITH THIS AGREEMENT OR BASED ON ANY CLAIM FOR INDEMNITY OR CONTRIBUTION EXCEED THE AMOUNT OF PURCHASE PRICE OF THE AGREEMENT. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF LIABILITY FOR PERSONAL INJURY, OR OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION MAY NOT APPLY TO YOU.

6. CONFIDENTIALITY: You acknowledge that the Software contains proprietary trade secrets and you hereby agree to maintain the confidentiality of Software and not to disclose or provide access thereto to any person.

7. THIRD PARTY SOFTWARE LICENSES: NAVIGON may make use of third party software. Notwithstanding the terms and conditions of this License, use of some third party materials included in the Software may be subject to other terms and conditions.

8. TERMINATION: This Agreement automatically terminates if you fail to comply with the terms hereof or if you attempt to assign the Agreement or transfer the Software to a third party except as expressly permitted in this Agreement. If such should occur, you must destroy all copies of the Software and all of its component parts. All provisions of this Agreement, except for the license grant above, survive the termination of this Agreement.

9. ENTIRE AGREEMENT: The terms and conditions of this Agreement, including any addendum or agreement to it which may be included with the accompanying package of the Software (and/or Hardware), plus the Limited Warranty, if applicable, reflect the entire agreement between You and NAVIGON with respect to the subject matter hereof and will supersede and replace all prior understandings and agreements, in whatever form, regarding the subject matter. This Agreement shall not be modified or amended except in writing signed by NAVIGON. This Agreement shall take precedence over any other documents that may be in conflict therewith.

10. TRANSLATIONS: The original English version of this Agreement may have been translated into other languages. The English version of this Agreement is the controlling version.

DRAFT

11. JURISDICTION AND DISPUTES

This Agreement is governed by the laws of the State of Illinois without regard to its conflict of laws rules.

All disputes hereunder shall be resolved in the applicable state or federal courts of the State of Illinois located within Cook County, Illinois. To the extent permitted by law the parties consent to the jurisdiction of such courts, agree to accept service of process by mail, and waive any jurisdictional or venue defenses otherwise available.

12. SEVERABILITY

If at any time any one or more of the provisions of this Agreement become invalid, illegal or unenforceable in any respect for any reason, the validity, legality and enforceability of any such provision in every other respect and of the remaining provisions of this Agreement shall not be in any way impaired.

13. ADDITIONAL TERMS AND CONDITIONS OF USE RELATING TO THE TOTAL TRAFFIC NETWORK DATA PROVIDED WITH YOUR NAVIGON ENABLED PRODUCT:

A. Total Traffic Network, a division of Clear Channel Broadcasting, Inc., holds the rights to the traffic incident data and RDS-TMC network through which it is delivered. You may not modify, copy, scan or use any other method to reproduce, duplicate, republish, transmit or distribute in any way any portion of traffic incident data. You agree to indemnify, defend and hold harmless Clear Channel Broadcasting, Inc. (and its affiliates) against any and all claims, damages, costs or other expenses that arise directly or indirectly out of (1) your unauthorized use of the traffic incident data or the RDS-TMC network, (2) your violation of this directive and/or (3) any unauthorized or unlawful activities by you in connection herewith.

B. Total Traffic Network traffic data is informational only. User assumes all risk of use. Total Traffic makes no representations about content, traffic and road conditions, route usability, or speed.

C. TOTAL TRAFFIC NETWORK TRAFFIC DATA IS PROVIDED "AS IS," AND "WHERE IS". TOTAL TRAFFIC NETWORK EXPRESSLY DISCLAIMS ALL WARRANTIES WITH RESPECT TO THE TRAFFIC DATA (INCLUDING, WITHOUT LIMITATION, THAT THE TRAFFIC DATA WILL BE ERROR-FREE OR WILL OPERATE WITHOUT INTERRUPTION), EXPRESS, IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, FITNESS FOR A PARTICULAR PURPOSE, OR THOSE ARISING FROM A COURSE OF DEALING OR USAGE OF TRADE.

D. TOTAL TRAFFIC NETWORK WILL NOT BE LIABLE TO YOU FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, EXEMPLARY, OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, LOST REVENUES, ANTICIPATED REVENUES, OR PROFITS RELATING TO THE SAME) ARISING FROM ANY CLAIM RELATING DIRECTLY OR INDIRECTLY TO USE OF THE TRAFFIC DATA, WHETHER A CLAIM FOR SUCH DAMAGES IS BASED ON WARRANTY, CONTRACT, TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE OR STRICT LIABILITY).

DRAFT

This page intentionally left blank.

DRAFT

Table of Contents

End User License Agreement iii

Introduction

About this manual 1
- Conventions 1
- Symbols 1

Legal notice 2
- Liability 2
- Trademarks 2

Customer Service 2
- Telephone Support 2
- E-mail 2

Welcome

Introducing Your NAVIGON 21MAX 3
- About GPS navigation 4

Getting Started

What's included 5

Important safety information 6
- Navigation safety information 6
- Safety information for the navigation device 7
- Safety guidelines when installing in your car 7

Preparing your NAVIGON 21MAX for use 8
- Charging the battery 8
- Inserting a memory card 8
- Removing the memory card 8
- Securing the cradle 9
- Securing the navigation device to the cradle 9
- Supplying power to the navigation device 10
- Connecting an Optional GPS Antenna (Not Included) 10

Optional Accessory Services 11
- Activating an Optional Accessory Service 11
- Confirming Optional Traffic Accessory Service Activation 14
- Confirming Optional Zagat POI Accessory Service Activation 15

DRAFT

Basic Operations
Starting the NAVIGON 21MAX 17
The Main Window 17
My Destinations 18
Take Me Home 18
Show Map 18
The Options Button 18
Returning to the Main Window 19
Initializing the GPS receiver 20
Setting the volume 20
Using Standby Mode 21
Viewing device status 22
GPS 22
Power 22
TMC (Traffic Information) 23
Using software keyboards 24
Alphabetic keyboard 24
Numeric keyboard 24
Special character/symbol keyboard 24
Special keys 25
Using menus 25

Security
The Password Lock Window 27
Setting a password 27
Changing a password 27
Cancelling password protection 28
Forgotten your password? 28

Direct Help

Selecting Destinations
Using auto-complete to select a destination 31
The Search Area Button 32
Selecting a Search Area 32
Ways to Search for Destinations 33
Enter an Address 33
Search for a POI 33
By Tapping on the Map 33

DRAFT

Entering an address 34
Specifying a city first 34
Specifying a street first 35
Selecting a Point of Interest (POI) destination 36
POIs nearby 36
POIs in a specified city 38
Nationwide POIs 40
Direct Access POIs 41
Specify Direct Access POI categories 42
Information about the POI 43
Selecting a destination by tapping the map 44
Starting navigation 46
Quitting navigation 46
No GPS reception 46
Arriving at your destination 46

Zagat Points of Interest (POIs) (Optional Accessory)
Zagat POI Categories 47
Search for Zagat POIs 47
View Zagat POI Information 48

My Destinations
Saving a destination 51
Saving the current location using GPS 52
Saving your home address as a destination 52
Selecting a saved destination 54
Selecting a destination from the Favorites list 54
Selecting a destination from the Last Destinations list 55
Navigating homewards 56

Working With Routes
Accessing the Route Planning Window 57
Entering the starting point 57
Changing the starting point 58
Entering route points 58
Changing the order of route points 58

DRAFT

Managing routes 59
Saving routes 59
Loading routes 59
Navigation 60
Calculating and displaying routes 60
Viewing the Route Profile 60
Simulating routes 61
Starting a route simulation 61
Ending simulation 61
Viewing a Turn-by-Turn List 62
Blocking route sections 62
Removing blocks and using original routes 63

Working With Maps

NAVIGON 21MAX Map 65
View information on the current map 66
Selecting a different map (NAVIGON 21MAX Canada Map Only) 66
Map in Preview mode 67
Map in Navigation mode 69
Map functions in Navigation mode 71
Map in Destination search mode 72
Operating in Destination search mode 73
Reality View (Junction View) 74

TMC (Traffic Information) (Optional Accessory)

Accessing the TMC (Traffic Information) Window 75
The TMC (Traffic Information) Window 76
Types of Messages 76
Traffic Flow Severity Indicators 77
Event or Incident Icons 77
Displaying traffic messages 78
Requesting a route recalculation 79
TMC Settings Window 80
Select another station 80
Select Tuning Mode Settings 80
Specify the type of traffic messages to display 81
Select Reroute Settings 82

DRAFT

Integrated Bluetooth (Hands-Free Operation)
Starting Hands-Free Operation 84
Ending Hands-Free Operation 84
Connecting to a Telephone 85
Pairing with a mobile phone 85
Connecting to a mobile phone 85
Answering a Call 86
Making a Call 86
Dialing a telephone number 86
Calling most recently dialed, received or missed numbers 86
Dialing on the mobile phone 87
During a Call 87
Adjusting the volume 87
Muting the microphone 87
Transferring a call to a mobile phone 88
Transferring a call from a mobile telephone 88
Entering numbers 88
Bringing the navigation software to the foreground 88
Ending a Call 89
Troubleshooting Bluetooth Operations 90

Logbook
Starting a recording 91
Stopping the recording 91

Customizing Your NAVIGON 21MAX
Accessing the Settings window 93
The Settings window 93
Basic Settings 93
Current Map Settings 95
POI Settings 95
Route Profile Settings 95
Selecting options 97
Moving between pages 97
Viewing a list of options for a setting 97
Viewing information about a setting 97
Toggling between options 98
Changing an option setting 98

DRAFT

Legal Notices
NOTICE TO DRIVERS IN CALIFORNIA AND MINNESOTA 99
GPS..... 99

Technical Data
Specifications..... 101
Compliance Notices..... 102
Federal Communication Commission Interference Statement..... 102
Canada C Request..... 102

Index

DRAFT

Introduction

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 DIALOG BOX TITLES.
Bold:	**Highlighting of important parts in the text.**
Underlined:	Descriptions of 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.

DRAFT

Legal notice

Liability

The software and the manual are subject to change without notice. NAVIGON, INC is not liable for the accuracy of the information contained in this manual or for damages resulting from the use of this manual.

Trademarks

All brands and trademarks mentioned in this document are possibly registered by third parties and are subject to the current legislation and to the rights of their respective owners without reservation. All mentioned names of products, societies, or brands may be registered trademarks of their respective owners. Every right that is not explicitly accorded is reserved.

The absence of the explicit labelling of registered trademarks used in this manual does not imply that the brand is not subject to the rights of a third party.

NAVIGON is a registered trademark of NAVIGON, INC.

Microsoft, Windows, and Excel are trademarks of the Microsoft Corporation.

NAVTEQ is a registered trademark of NAVTEQ.

ZagatSurvey is a registered trademark of Zagat Survey, LLC.

Total Traffic Network is a registered trademark of Total Traffic Network.

Clear Channel is a registered trademark of Clear Channel Communications.

ZENRIN is a registered trademark of ZENRIN EUROPE GmbH.

DRAFT

Customer Service

Our service team is available via telephone or E-mail.

Telephone Support

Telephone:	(888) 848-0701 (Toll Free)
Service Hours:	Monday through Friday, 9 a.m. to 8 p.m. CT (except official holidays)

E-mail

To ensure a timely response via e-mail, visit http://www.navigon.com and select:

US and Canada > Support > Email

Customers will receive a response within 2 business days.

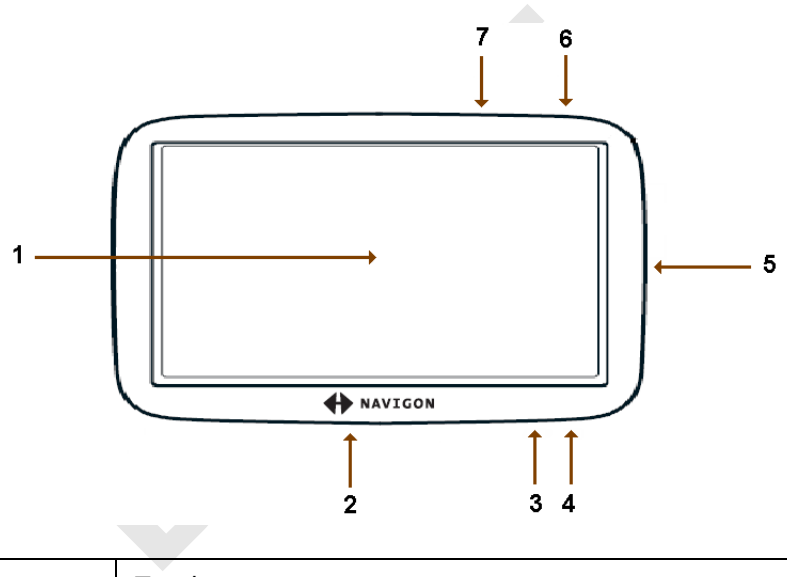
Welcome

Introducing Your NAVIGON 21MAX

Welcome to the exciting world of handheld navigation. The ***NAVIGON 21MAX*** offers Global Positioning System (GPS)-based navigation and thousands of Points Of Interest (POIs).

With the optional lifetime TMC accessory service, 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 the optional lifetime Zagat POIs accessory service, 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
3		LED
4		Power Connector Port (with integrated TMC antenna)
5		SD memory card slot
6		On/Standby
7		(Optional) 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 may simply be continued.

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.

DRAFT

Getting Started

What's included

Your ***NAVIGON 21MAX*** comes with the following accessories. If the contents are incomplete, please notify us **within 14 days of purchase**. The purchased product includes:

- ***NAVIGON 21MAX*** navigation device
- Car cradle and device holder
- Car charger cable (12 volt adapter) with integrated TMC antenna.
- Mini USB Cable
- SD card containing software and navigation map(s)

DRAFT

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 the circumstances and the road traffic regulations allow you to do so! The navigation system guides you to your destination even if you deviate from the calculated route.
Caution! Check that the cradle is secured and adjusted properly before each journey.

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

DRAFT

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-relevant 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 may 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 charger provided or one that has been approved by the manufacturer.
Caution! Connect the charger to a suitable power supply. The voltage requirements can be found on the device case and/or the packaging.

Note: Ensure that there are no kinks in the cable and that it will not be damaged by any sharp objects.
Note: To clean the navigation device, use 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.

DRAFT

Safety guidelines when installing in your car

Caution! Secure the cradle in such a way that the driver's visibility is not impaired.
Caution! Do not attach the cradle within the deployment zone of airbags.
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-relevant equipment in the car.
Caution! The car charger cable is to be connected to cigarette lighters with an operating voltage of 12V only.

Preparing your NAVIGON 21MAX for use

Use the navigation system at your own risk.

Caution! Please be sure to see the safety information in “Important safety information” on page 6.

Charging the battery

- Connect the car charger cable to the navigation device and to the vehicle’s cigarette lighter.

  The LED of the ***NAVIGON 21MAX*** indicates the current battery charge. The LED lights:

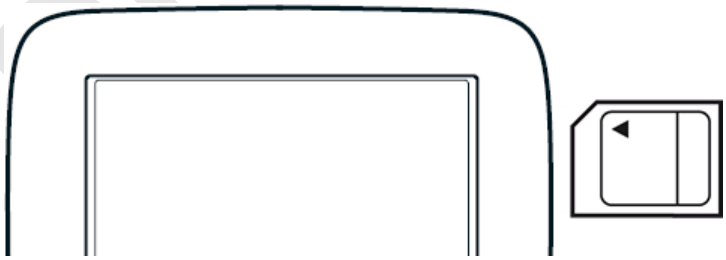
  - No light, the battery is flat.
  - Orange during charging.
  - Green when the battery is fully charged.

Note: It takes approximately 6 hours to charge the device when the battery is flat. A fully charged battery provides up to 3.5 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 side of the device. Press the card into the device until it locks into place.



Removing the memory card

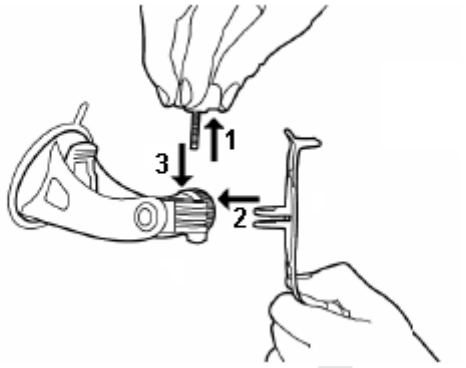
1. Switch the navigation device to Standby by pressing the ⏻ (On/Standby) switch for at least 6 seconds.
2. Press the memory card gently into the device until the lock disengages.
   The card pops up slightly.
3. Gently slide the card out of the slot.

DRAFT

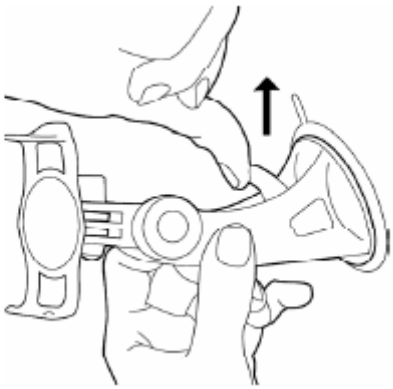
Securing the cradle

Clean and dry the mounting surface and the suction cup on the base of the cradle. These areas must be dry and free of dirt and grease.

1. Unscrew the holding screw from the cradle.



2. Align the back of the holder into the cradle.
3. Replace the screw and tighten to secure the holder in the cradle.



4. Using the suction cup, fix the cradle provided to the mounting surface. The cradle should be as level as possible.
5. Press the suction cup lever down.

Securing the navigation device to the cradle

The holder has two small projections on the bottom and one on the top. These projections are designed to fit into corresponding slots on the bottom and top of the ***NAVIGON 21MAX***.

1. Insert the navigation device into the holder by aligning the two bottom projections into the slots on the bottom of the device.
2. Tilt the device backward slightly until the top projection clicks into place in the top slot.
3. Adjust the navigation device so that it can be seen easily.

Supplying power to the navigation device

Included in delivery of the ***NAVIGON 21MAX*** is a car charger cable with which power can be supplied to the navigation device via the vehicle's cigarette lighter.

The car charger cable is connected to the ***NAVIGON 21MAX*** via the power connection port on the bottom of the device.

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

Connecting an Optional GPS Antenna (Not Included)

With the ***NAVIGON 21MAX,*** you can also use an external GPS antenna (not provided with the device).

1. Connect the GPS antenna to the external antenna/headset socket ٢ on the ***NAVIGON 21MAX***.
2. Secure the antenna to the mounting surface using the suction cups.

DRAFT

Optional Accessory Services

Optional accessory services available for your ***NAVIGON 21MAX*** are:

- TMC (Traffic) Information
- Zagat Points of Interest (POIs)

Each optional service is purchased separately. Once activated, the service is provided for the lifetime of your ***NAVIGON 21MAX***.

Activating an Optional Accessory Service

At a retail outlet where ***NAVIGON 21MAX*** devices are sold:

1. Purchase an Accessory card for each service you want.
   On the Accessory card is the 15 character activation key, three blocks of five characters separated by hyphens. This key is used to obtain a device unlock code.

On your ***NAVIGON 21MAX***:

2. Switch on the device by pressing and holding the ⏻ (On/Standby) switch for at least 6 seconds.
   The MAIN WINDOW displays.
3. Tap Options > Service Activation.

The PRODUCT ID WINDOW displays the 15 character product ID.

- For a ***NAVIGON21MAX***, the first two characters are “KN” or “K2”.

4. Record the product ID for the next step.

On a computer with internet access:

5. Go to `www.navigon.com/activation`.
6. On the MAIN MENU, select Options > Service Activation.
   The website requests your e-mail address, ***NAVIGON 21MAX*** product ID, and the Accessory card activation key.
7. Enter the requested information in the appropriate fields.
   The website returns your device unlock code, used to unlock the service on the device. The unlock code is also sent to your e-mail address.
8. If both accessory services have been purchased, enter the requested information and the second Accessory card activation key.
   The website returns a device unlock code for the second accessory service.

On your ***NAVIGON 21MAX***:

9. On the PRODUCT ID WINDOW, tap Next.
   The DEVICE UNLOCK WINDOW displays.

10. In the Enter Unlock Code fields, enter the 18 character device unlock code, in blocks of six characters.

Note: If both accessory services have been purchased, you can enter the device unlock code for the second accessory to unlock both services automatically.

11. Tap OK (OK).

The ACTIVATION COMPLETE WINDOW displays. The purchased accessory is now available for use.

If Traffic was activated:

If Zagat POIs were activated:

If both were activated:

12. Tap OK (OK) to close the window.

DRAFT

Confirming Optional Traffic Accessory Service Activation

Note: This function is only available if TMC traffic messages are being transmitted in the map area in which you are travelling. Traffic messages are not available in all areas.
Note: The charger cable does not need to be connected to the vehicle's cigarette lighter for the antenna to be operational.
Note: Without the antenna, TMC messages may not be received when the device is operating on battery power only.

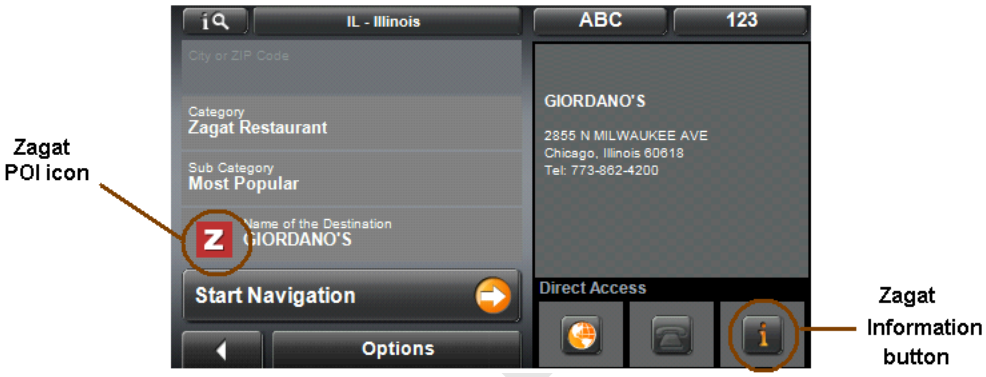
On the MAIN WINDOW:

- In the upper right hand corner, the Traffic service icon (⚠) appears. The color of the icon indicates the current status of the service. For more information, see “TMC (Traffic Information)” on page 23.
- Tap Options. The Traffic button is now active. Tap the Traffic button to display the TRAFFIC INFORMATION WINDOW.

Confirming Optional Zagat POI Accessory Service Activation

Select a POI destination (as described in “Selecting a Point of Interest (POI) destination” on page 36). Zagat POIs are available for most major cities, such as Chicago, Los Angeles, New York, etc.

All available Zagat POIs appear at the top of the returned list. A Zagat Icon ( ) appears in front of the POI and the Zagat information button ( ) can be used to view POI details. For more information on Zagat POIs, see page 47.



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

DRAFT

This page intentionally left blank.

DRAFT

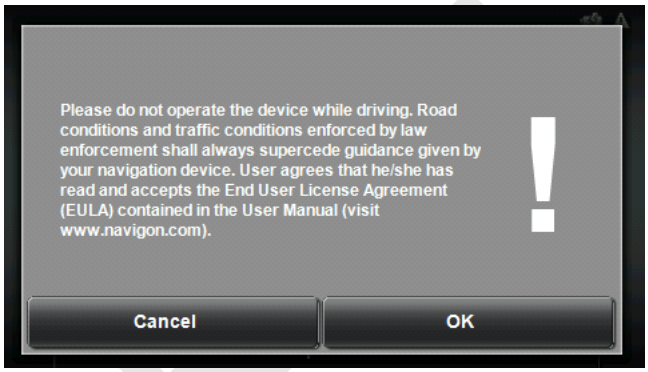
Basic Operations

Starting the NAVIGON 21MAX

1. Press and hold the ⏻ (On/Standby) switch for at least 6 seconds.
   - If password protection has been activated, the ENTER PASSWORD WINDOW opens.
     - Enter the password.
     - Tap the Continue button.

See “Security” on page 27 for more information on using passwords.

Each time the navigation device is turned on, the following message appears:



2. After you have read and fully understood the text, tap OK.

   Note: If you do not accept these instructions, tap Cancel to exit 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 34.)
- Select a POI as a destination. (See page 36.)
- Select a destination by tapping on the map. (See page 44.)

My Destinations

Tap this button to select a destination from:

- A list of destinations you have saved. (See page 54.)
- A list of the most recently entered destinations. (See page 55.)

Take Me Home

Tap this button to:

- Specify your home address as a destination. (See page 52.)
- Quickly create a route back to your home address from your present location. (See page 56.)

Show Map

Tap this button to:

- Show your location on the current map.

The Options Button

Tap this button to:

- Access ROUTE PLANNING WINDOW to:
  Create a route. (See page 57.)
  Save a route. (See page 59.)
  Load a saved route. (See page 59.)
- View the TMC TRAFFIC WINDOW information. (Only available if the TMC accessory service has been purchased. (See page 78.)
- Activate an accessory service:
  Activate Traffic (TMC)
  Activate Zagat POIs.
- Go to the LOGBOOK WINDOW. (See page 91.)
- Go to the GPS Status window to:
  VIew current GPS location information.
  Save the current location as a destination. (See page 52.)
- Access the SETTINGS WINDOW to set:
  Basic Settings. (See page 93.)
  Show information on the current map or change maps. (See page 95.)
  POI settings. (See page 95.)
  View or change route profile information. (See page 95.)
- Save the current location as a destination. (See page 52.)

DRAFT

Returning to the Main Window

To return to the MAIN WINDOW from any other window:

- Tap (Back) repeatedly, until the MAIN WINDOW redisplays.

DRAFT

Initializing the GPS receiver

Note: GPS initialization requires data from at least three satellites. If GPS data is not available, the receiver will not initialize.
Note: It can take up to 20 minutes to initialize the integrated GPS receiver for the first time.
Note: Each time you turn on the device, GPS receiver initialization begins. When GPS data is available, reception starts within one minute.
If the navigation device has been switched to standby for more than a week, the next initialization can take up to 10 minutes.

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**.

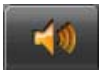
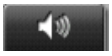
Note: If the GPS symbol displays **GPS Ready** after considerably less than 20 minutes, it is advisable to leave the receiver switched on for at least an additional 15 minutes to ensure reliable operation.

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 standing for a longer 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).
   The volume bar opens. It contains three buttons for adjusting the volume:
    (Louder)
   (Softer)
   (Volume on/off).
2. Tap  (Volume) again.
   The volume bar closes.

DRAFT

Using Standby Mode

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

- Press the (On/Standby) button briefly.

To switching the Device back on from Standby

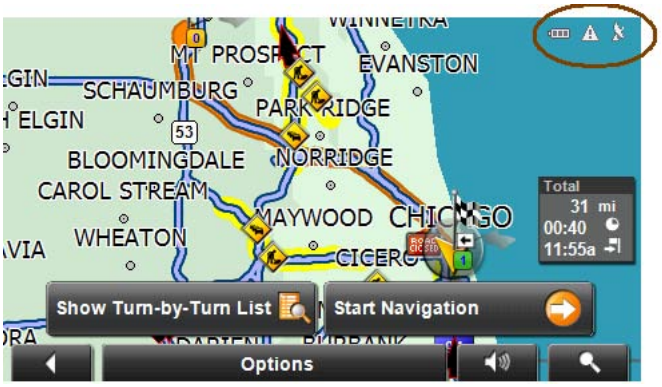
- Press the (On/Standby) button briefly.

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 27 for more on using passwords.

DRAFT

Viewing device status

Symbols located at the top of the screen are used to display 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 information, see “” on page 3.

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.

DRAFT

TMC (Traffic Information)

Important Note

Traffic functionality is available as an accessory option. If this service has not been purchased and activated, the TMC icon does not display.

For more information, see page 75.

The ***NAVIGON 21MAX,*** with a car charger cable with integrated TMC antenna, provides the navigation system with up to date traffic messages. 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 map area in which you are travelling. Traffic messages are not available in all areas.
Note: The charger cable does not need to be connected to the vehicle's cigarette lighter for the antenna to be operational.
Note: Without the antenna, TMC messages may not be received when the device is operating on battery power only.

The TMC symbol can display the following TMC reception status:

No Symbol	TMC is not operational. Can also indicate the the purchased TMC accessory service has not been activated successfully. See “Activating an Optional Accessory Service” on page 11 for more information.
Tuning	TMC is operational, but cannot find a station that is transmitting TMC signals.
TMC Ready	Traffic messages can be received.

For more information, see “Displaying traffic messages” on page 78.

DRAFT

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 fingertips. Only capital letters can be entered. 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.

DRAFT

Special keys

On the Alphabetic keyboard, 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 and 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.

DRAFT

This page intentionally left blank.

DRAFT

Security

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

Note: Password protection takes effect the next time the ***NAVIGON 21MAX*** is switched to standby mode. See “Using Standby Mode” on page 21.

The Password Lock Window

Setting a password

Note: The password must be exactly 4 digits.

In the MAIN WINDOW:

1. Tap Options > Settings
   The SETTINGS WINDOW opens.
2. Tap Options > Password Lock.
   The PASSWORD LOCK WINDOW opens.
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.
   The PASSWORD LOCK WINDOW opens.
3. Type the current password in the Enter Password field.
4. Tap the Change Password button.
5. Type the new password in the New password field.
6. Re-type the new password in the Confirm new password.
7. Tap the Continue button.

DRAFT

Cancelling password protection

In the MAIN WINDOW:

1. Tap Options > Settings
   The SETTINGS WINDOW opens.
2. Tap Options > Password Lock.
   The PASSWORD LOCK WINDOW opens.
3. Type the current password in the Enter Password field.
4. Tap the Deactivate button.

Forgotten your password?

If you have forgotten your password, do the following:

On any password window:

1. Tap the

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

DRAFT

Direct Help

DRAFT

This page intentionally left blank.

DRAFT

Selecting Destinations

Use the navigation system at your own risk.

Caution! Please be sure to refer to the safety information in “Important safety information” on page 6.

New destinations for the ***NAVIGON 21MAX*** are destinations that you have not yet navigated to or those that you have not yet stored.

You can enter an address, select a POI, or select a destination from the quick search 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 search 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 shortens, only containing entries that begin with the typed characters. The more characters you enter, the shorter the returned list becomes.

You can move though 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.

The Search Area Button

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 Illinois is selected, “IL” appears on the button.

Selecting a Search Area

When you enter a new 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 AREA list opens.
2. Tap on the map area in which your destination lies.
   The button displays the code for the selected destination area.

Note: Only areas that are represented in the currently loaded map can be selected.

3. Tap (OK).

DRAFT

Ways to Search for Destinations

Enter an Address

To find an address, you can specify a:

City first	If you do not know the exact street address.
Street first	If you do not know the actual city.

Search for a POI

Note: Optional lifetime Zagat POIs accessory service is available. For more information see “Zagat Points of Interest (POIs) (Optional Accessory)” on page 47.

Points of Interest, (POIs) are useful addresses 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.
In a City	POIs in a given location can be useful when navigating in an unfamiliar town.
Nationwide	POIs of national significance include airports, national parks, historic sites, etc. This enables you to find places of interest without having to know exactly where it is located.
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.

Note: Only areas that are represented in the currently loaded map can be selected.

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.

DRAFT

Entering an address

When searching for a location, you do not have to enter all of the address details.

If you do not know the house number, leave the field blank to display the Intersection field. In this field, enter the name of a nearby side street and the navigation system calculates a route to the intersection of the specified streets.

Additionally, if you only specify the:

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

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.
6. If you don't know the house number, tap in the Intersection field and enter the name of this street.
7. Tap the Start Navigation button.

   The map opens in **Preview** mode.

For more information, see “Starting navigation” on page 46.

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 the field blank to display the Intersection field.
5. If you don't know the house number, tap on the Intersection field and enter the name of this street.
6. Tap the Start Navigation button.
   The map opens in **Preview** mode.

For more information, see “Starting navigation” on page 46.

Selecting a Point of Interest (POI) destination

POIs nearby

Note: GPS reception must be sufficient to determine your current position. You can see if GPS reception is sufficient by looking at the (**GPS Ready**) symbol. For more information, see “GPS” on page 22.

In the MAIN WINDOW:

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

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

4. If a sub-category exists, specify a sub-category.

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

5. Tap on the name of the destination.
6. Tap the Start Navigation button.

   The map opens in **Preview** mode.

For more information, see “Starting navigation” on page 46.

DRAFT

POIs in a specified city

On the MAIN WINDOW:

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

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

4. Specify a category from which you would like to select a POI.
5. If sub-categories exist for the category, specify a sub-category.

The Name of the Destination list opens. It contains POIs from the specified category, sorted alphabetically.

Note: Enter the first characters from the beginning of the POI name to shorten the returned list of POIs.

6. Tap on the name of the destination.

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

For more information, see “Starting navigation” on page 46.

DRAFT

Nationwide POIs

In the MAIN WINDOW:

1. Tap New Destination > Search for POI**.**
2. Tap 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 a list of national POIs, sorted by distance.

Note: Enter the first characters from the beginning of the POI name to shorten the returned list of POIs.

4. Tap on the name of the destination.

5. Tap the Start Navigation button.

The map opens in **Preview** mode.

For more information, see “Starting navigation” on page 46.

Direct Access POIs

Note: Sufficient GPS reception is required for Direct Access POIs. You can check GPS reception by looking at the (**GPS Ready**) symbol.

In the MAIN WINDOW:

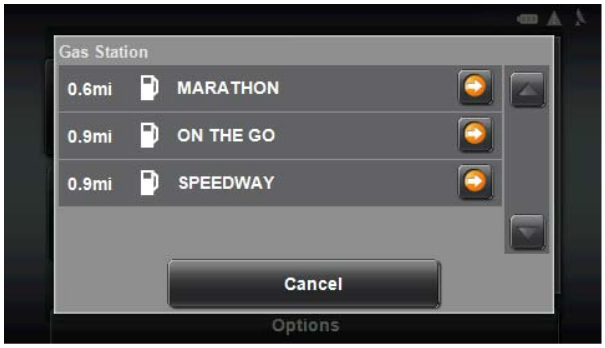
1. Tap the New Destination button.

The NEW DESTINATION MENU opens.

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

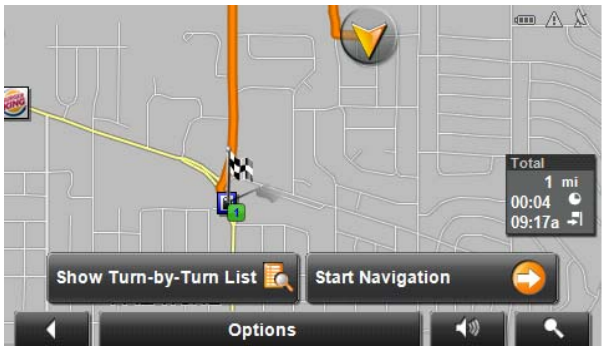
Note: When first used, the default direct access categories are Restaurants, Gas Stations, and Parking. To change these categories, see “Specify Direct Access POI categories” on page 42.

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.

DRAFT



3. Tap on the name of the destination.
   The map opens in **Preview** mode.

For more information, see “Starting navigation” on page 46.

Specify Direct Access POI categories

In the MAIN WINDOW:

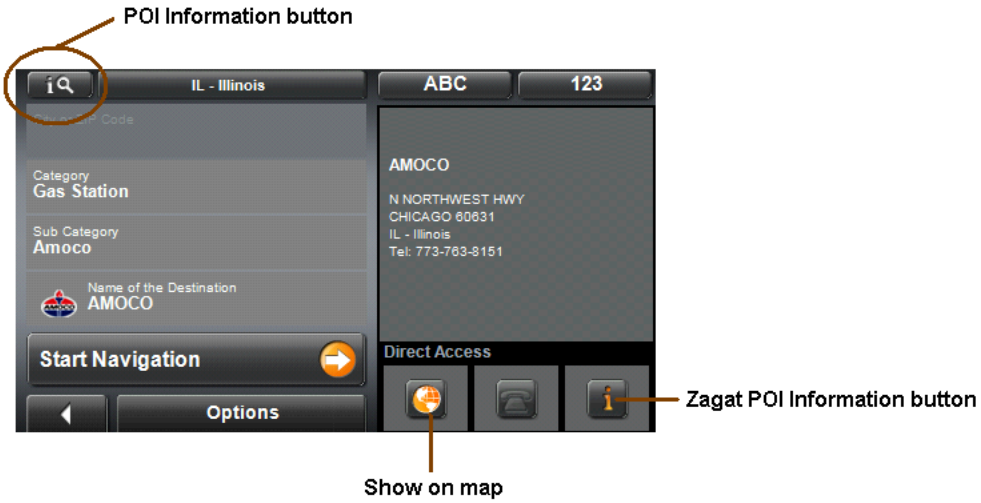
1. Tap Options > Settings
2. Tap POI.

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.

DRAFT

Information about the POI

For many POI destinations, additional information is available. For example, telephone numbers are provided for many restaurants, allowing you to call the restaurant and reserve a table ahead of time.



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

	Destination Info	Opens the DESTINATION INFO WINDOW and shows basic information about a POI, including address and phone number. On the window, tap the (To the Left) and (To the Right) to view information on other POIs returned from the search.
	Show Map	Show the POI on a map relative to your current location. (GPS reception required.)
	Call the POI	Not available with ***NAVIGON 21MAX***.
	Zagat Information	Displays Zagat survey information about the POI. (Only available if the Zagat POI accessory service has been purchased. See page 47.)

DRAFT

Selecting a destination by tapping the map

You can select towns, streets, and even POIs by tapping on the map.

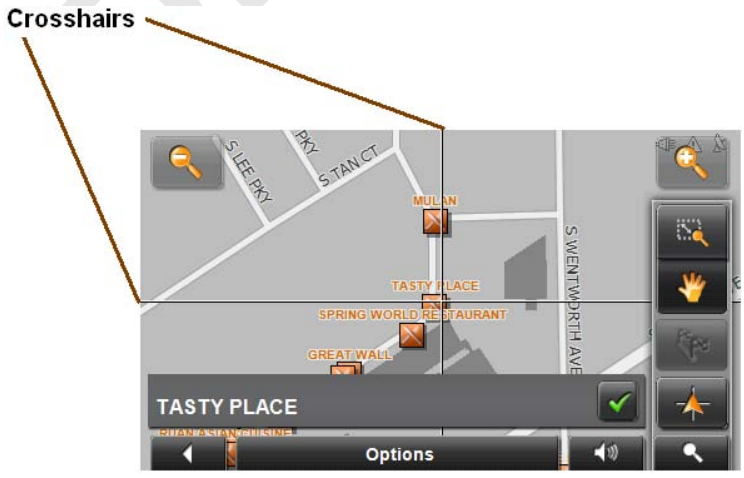
On the MAIN WINDOW:

1. Tap (Show Map).
2. Tap (Destination search).

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

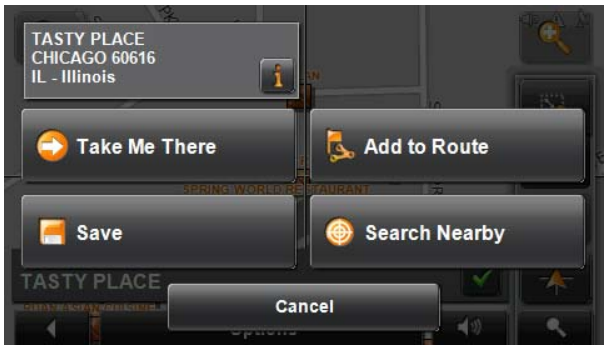
For more information on using destination search tools, see “Map in Destination search mode” on page 72.

3. Tap on the point to which you wish to navigate.
   The selected destination is centered in the map and appears under the cross hairs.



4. Tap (OK).

The DESTINATION ON MAP WINDOW opens. Detailed address information for the selected destination displays in the upper left-hand corner.



5. Tap the Take Me There button.
   The map opens in **Preview** mode and shows the route calculated from your current location to this destination.

For more information, see “Starting navigation” on page 46.

DRAFT

Starting navigation

With the map open in **Preview** mode, the destination is shown as a small flag. The route and the estimated trip time are displayed.

With the map open in **Preview** mode:

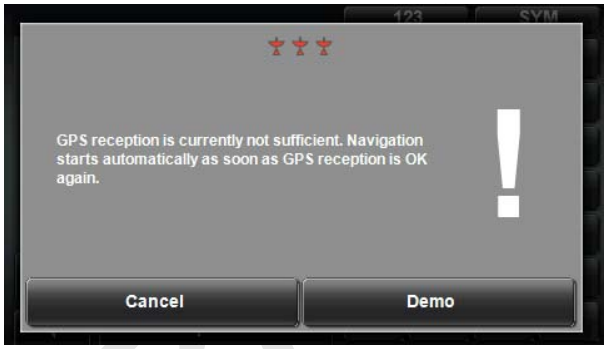
- Tap the Start Navigation button or simply start driving.

Quitting navigation

- Tap (Back) to quit navigation.
  A window prompts you to confirm.

No GPS reception

When GPS signal is interrupted, the following message appears:



You can:

- Wait until GPS reception resumes for determining position. Navigation begins automatically once GPS reception is sufficient.
- 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. The simulation of the calculated route begins. 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.

Zagat Points of Interest (POIs) (Optional Accessory)

Zagat POIs can be purchased for the ***NAVIGON 21MAX*** as an optional accessory service.

Once purchased, Zagat information is provided for the lifetime of your ***NAVIGON 21MAX*** device at no additional charge.

For more on purchasing and activating this accessory, see "Optional Accessory Services" on page 11.

With lifetime Zagat POIs, your ***NAVIGON 21MAX*** 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 21MAX*** 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 clubs.
Restaurants	Food, decor, service, and cost.

Search for Zagat POIs

Once the Zagat POI accessory service is purchased and activated, Zagat POIs are returned with any POI search.

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

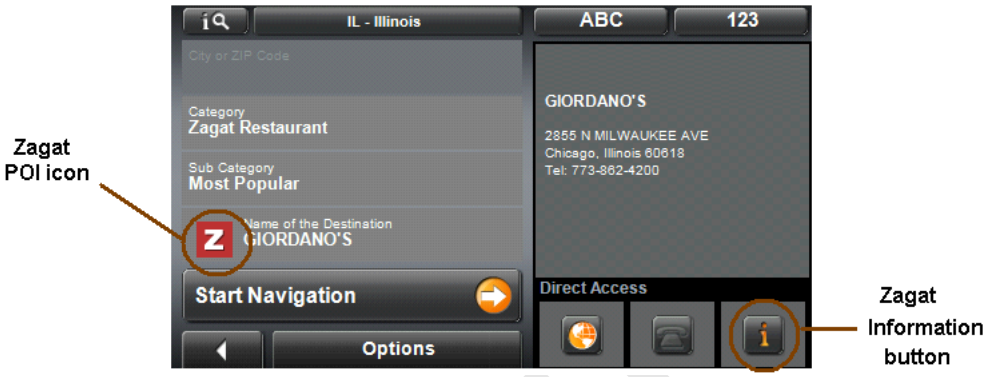
Zagat categories appear first in the list of returned locations. A (Zagat POI) appears in front of a Zagat category.

DRAFT

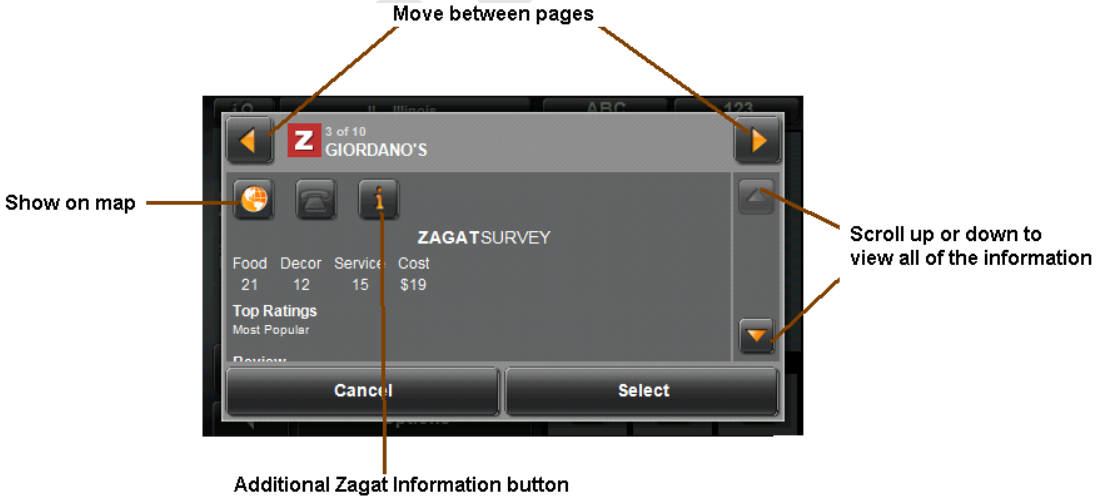
View Zagat POI Information

On a POI DESTINATION SELECTION WINDOW:

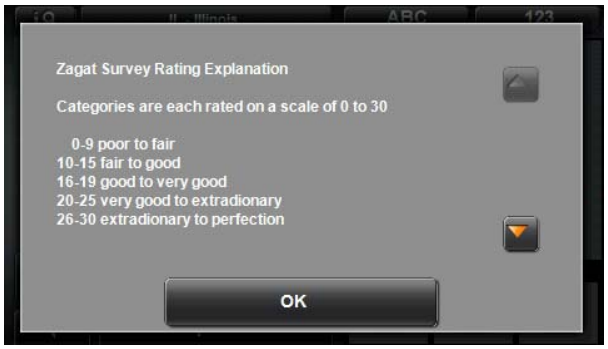
1. Tap on a Zagat POI category.
2. If sub-categories exist for the category, tap the subcategory.
3. Tap on the name of a POI.
   The DESTINATION INFO WINDOW opens and displays basic POI information.



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 (Zagat Survey Results) to view an explanation of Zagat Survey results.



6. When finished, tap (OK).

DRAFT

This page intentionally left blank.

DRAFT

My Destinations

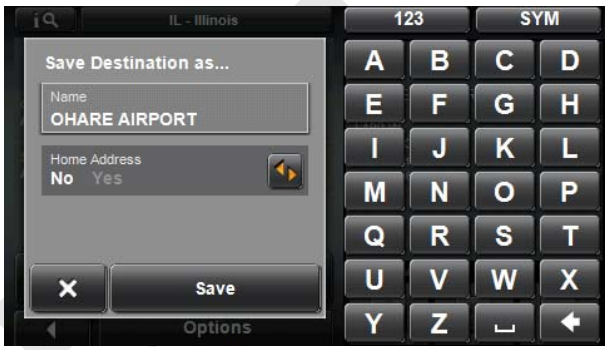
Every destination that you enter and the destinations from the LAST DESTINATIONS list can be saved to the FAVORITES list. This is useful if you often navigate to a particular destination.

Saving a destination

1. Enter a destination. (See “Selecting Destinations” on page 31.)
   Do not tap the Start Navigation **button!**
2. Tap Options > Save Destination.

- OR –

1. Select a destination from the LAST DESTINATIONS LIST. (See page 55.)
   Do not tap the Start Navigation **button!**
2. Tap Options > Save as Favorite.



3. Enter the name for the destination. (You must enter at least two characters.)
4. If you want to define the destination as your home address, tap (Toggle) so that the value Yes is highlighted in black.
5. Tap the Save button.

DRAFT

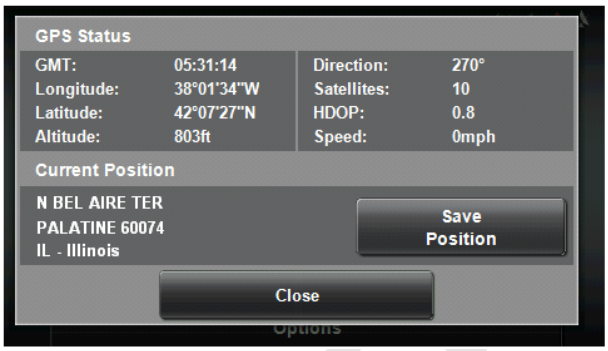
Saving the current location using GPS

The GPS STATUS WINDOW provides you with an overview of the data the navigation system calculates from the received GPS signals.

GPS status is available via the options of several windows.

In the GPS STATUS WINDOW:

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. The cursor blinks in the Name field.
3. Enter the name for the destination. (You must enter at least two characters.)
4. Specify whether your current position should be stored as the home address.
5. Tap the Save button.

Saving your home address as a destination

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

On the MAIN WINDOW:

1. Tap the Take Me Home button.
   The following message displays:

2. Take the OK button.

DRAFT

The HOME ADDRESS WINDOW opens.

3. Enter your home address.
4. Tap the Home Address button.

   The selected destination is saved as your home address. On the FAVORITES list, a house icon is shown next to your home address.

DRAFT

Selecting a saved destination

The following lists of destinations and addresses are available under My Destinations.

FAVORITES	Destinations you have stored in ***NAVIGON 21MAX***.
LAST DESTINATIONS	Destinations you have previously navigated to.

Selecting a destination from the Favorites list

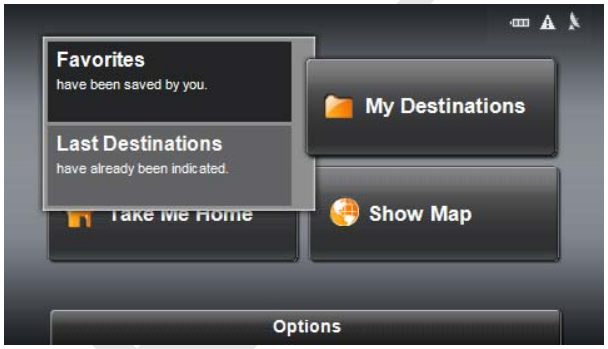
Destinations to which you often travel can be saved in the **FAVORITES** list.

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

Information on how to store a destination can be found in “Saving a destination” on page 51.

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.

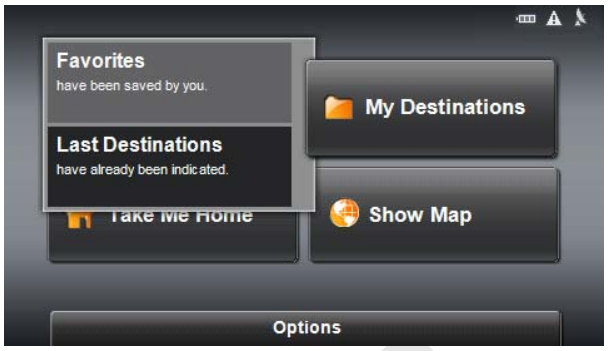
For more information, see “Starting navigation” on page 46.

Selecting a destination from the Last Destinations list

NAVIGON 21MAX 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 46.

Navigating homewards

With ***NAVIGON 21MAX*** you can save an address as a 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 asked to enter your address.

For more information, see “Saving your home address as a destination” on page 52.

In the MAIN WINDOW:

- Tap the Take Me Home button.

  If you have not yet entered your home address, a window displays.

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

For more information, “Starting navigation” on page 46.

DRAFT

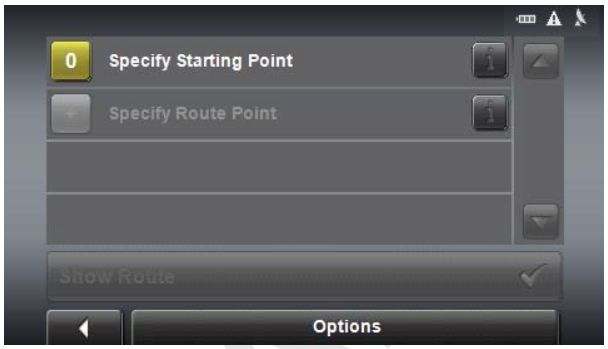
Working With Routes

With the ***NAVIGON 21MAX***, 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 opens.



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 has the flow number "0".

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

Route calculation to the first route point is shown as 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.

DRAFT

3. Enter the starting point. (See the corresponding section of “Selecting Destinations” on page 31.)
4. Tap the Set Starting Point button.
   The selected destination appears next to the 0, indicating that it is the Starting Point of the route.

Changing the starting point

On the ROUTE PLANNING WINDOW:

1. Tap the Specify Starting Point button.
   The STARTING POINT menu opens.
2. Select a different starting point by following 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 “Ways to Search for Destinations” on page 33.)
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

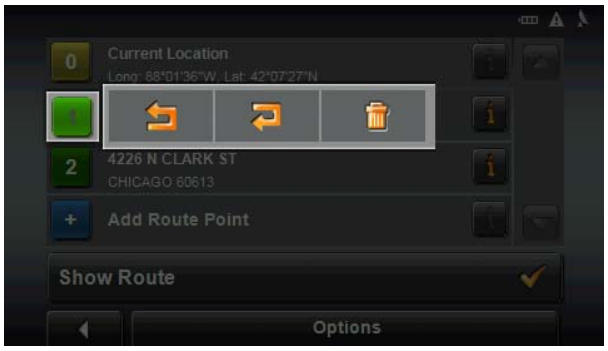
Route points can be deleted from a route. The order of the route points can be varied as you wish.

Note: The starting point (flow number "0") cannot be moved nor deleted.

On the ROUTE PLANNING WINDOW:

Tap on the route point that you want to edit.

DRAFT



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. A window prompts you to confirm deletion.

Managing routes

You can save each planned route under a particular name.

Note: Only the start point and route points are saved. The calculated route is not. 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

You can save a route after you have entered the starting point and at least one route point.

On the ROUTE PLANNING WINDOW:

1. Tap Options > Save Route.
2. Enter a name for the route. (You must enter at least two characters.)
3. Tap the Save button.
   The route is saved to the SAVED ROUTES list.

Loading routes

On the ROUTE PLANNING WINDOW:

1. Tap Options > Saved Routes.
2. Tap the route you want to load.
3. Tap the Load Route button.
   The ROUTE PLANNING WINDOW displays the starting point and the route points of the selected route.

DRAFT

Navigation

After the route is calculated, you can begin navigation or view a simulation of the route.

Calculating and displaying routes

With the ***NAVIGON 21MAX***, you can preplan routes. Planned routes can be saved for later use, allowing you to create as many routes as you like.

On the ROUTE PLANNING WINDOW:

1. Load a saved route.

- OR -

2. Enter a starting point and at least one route point.
3. 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.
4. Tap the Start Navigation button or simply start driving.

Viewing the Route Profile

The calculation of a route is based on route options.

On the ROUTE PLANNING WINDOW:

1. Create a route or load a previously saved route.
2. Tap the Show Route button.
   The map opens in **Preview** mode and displays the calculated route.
3. Tap Options > Route Profile.

You can view and, if necessary, change any of the displayed options.

Note: Once options are changed, they remain in effect for all subsequent routes.
You can get information regarding changing individual route profiles by tapping the corresponding (Help) button.

DRAFT

Simulating routes

You can also view a simulation of a calculated route.

Note: GPS signal reception is not required for simulation. Simulations are restricted to routes of a maximum of 93 miles.

Starting a route simulation

You have calculated and displayed a route.

With the route displayed in Map **Preview** mode:

- Tap Options > Simulation.
  The route is recalculated for simulation purposes. Simulation starts when calculation has finished.

Ending simulation

You can end simulation at any time.

While viewing the route simulation:

- Tap (Back).
  A window prompts you to confirm your decision to cancel navigation.
  The ROUTE PLANNING WINDOW redisplays.

DRAFT

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.

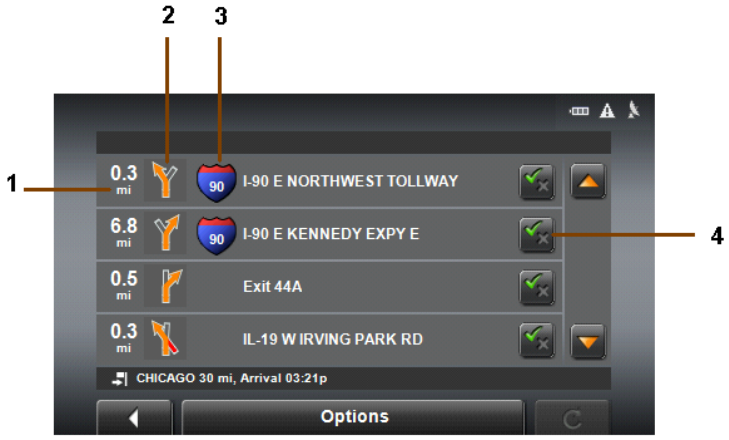
With the route displayed in **Preview mode**:

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

- or -

With the route displayed in **Navigation mode** or **Reality View mode**:

- Tap Options > Show Turn-By-Turn List.
  The TURN-BY-TURN LIST WINDOW opens.



1. Distance to this junction.
2. Schematic depiction of the next junction where you must turn.
3. Name of the street onto which you must turn.
4. Indicates whether you want to travel on the section of the route.

   (Allow) Include this section in the route.

   (Forbid) Exclude this section from the route.

Blocking route sections

On the TURN-BY-TURN LIST WINDOW:

1. Tap on the route section 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 (if possible) 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.

On the TURN-BY-TURN LIST WINDOW:

- Tap Options > Calculate original route.

DRAFT

This page intentionally left blank.

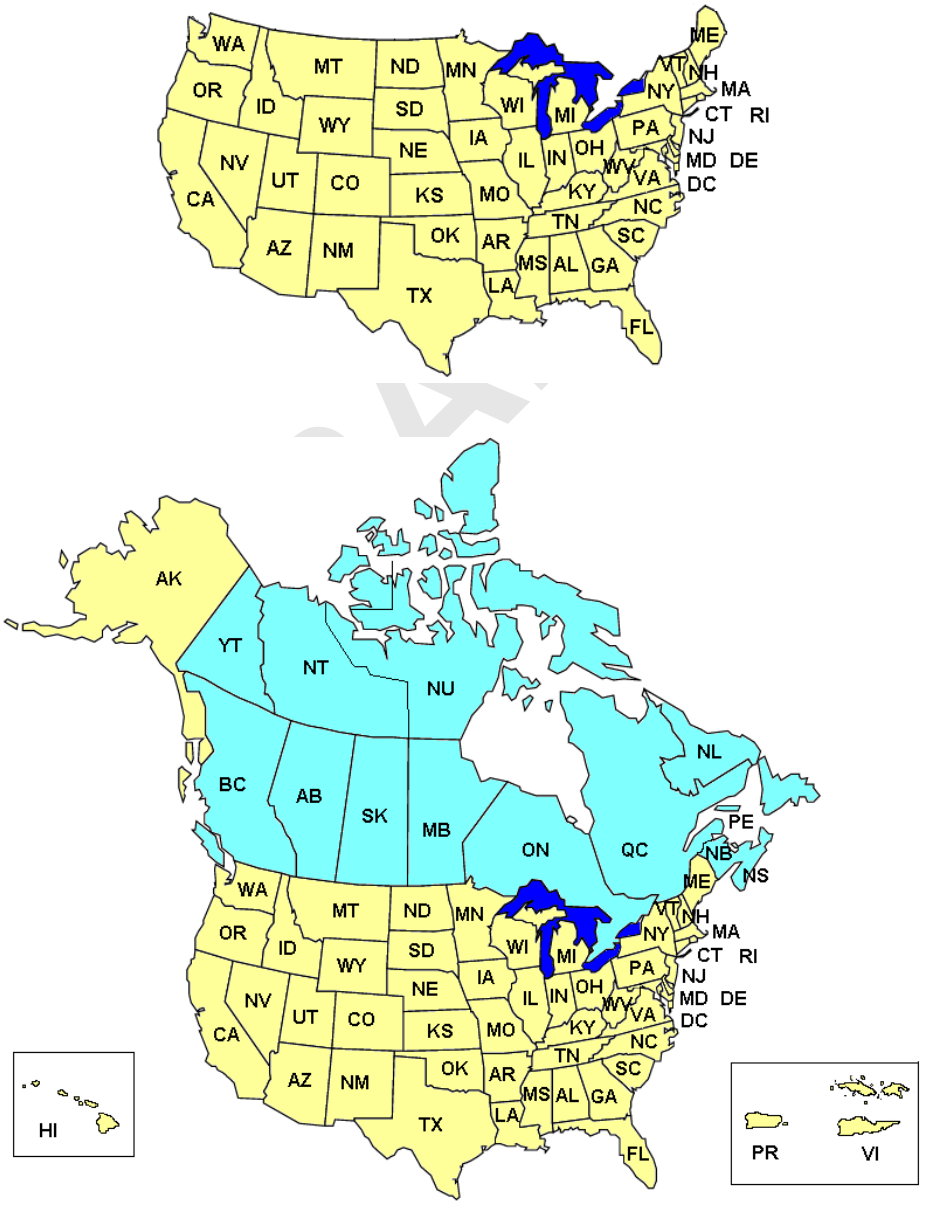
DRAFT

Working With Maps

NAVIGON 21MAX Map

Your ***NAVIGON 21MAX*** comes with:

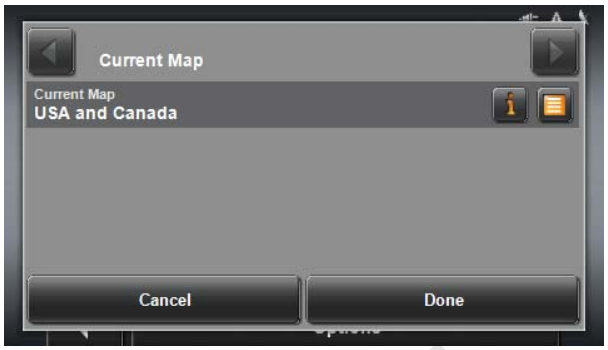
- a United States map of the 48 contiguous states.
  or
- Maps of the 48 contiguous United States, Alaska, Hawaii, Puerto Rico the Virgin Islands, and all 13 Canadian provinces/territories.



View information on the current map

On the MAIN WINDOW:

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



Selecting a different map (NAVIGON 21MAX Canada Map Only)

On the MAIN WINDOW:

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

DRAFT

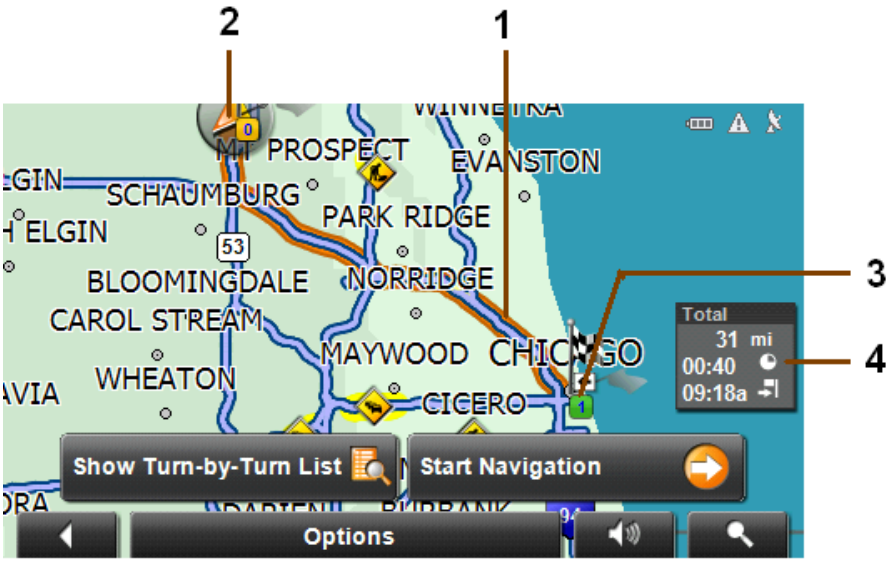
Map in Preview mode

You have entered a destination and tapped the Start Navigation button.

- OR –

Create a route or load a saved route, then tap the Show Route button.

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



1. The route is highlighted in orange.
2. A triangle in orange shows your current position.
   If you display a route and the specified starting point is not the same as your current location, the current position may not be shown on the preview.
3. 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 is marked with a small flag.
4. The total distance for the route is shown in a small information 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, information for each stage is shown.
5. Tap:
   - The Show Turn-by-Turn button to view detailed directions for the route. (See “Viewing a Turn-by-Turn List” on page 62.)
   - 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. Once the route is calculated, you are guided to the first route point.
   - Options > Route Profile to view or change settings used to calculate the route.

- (Destination search) to view the map in **Destination search** mode.

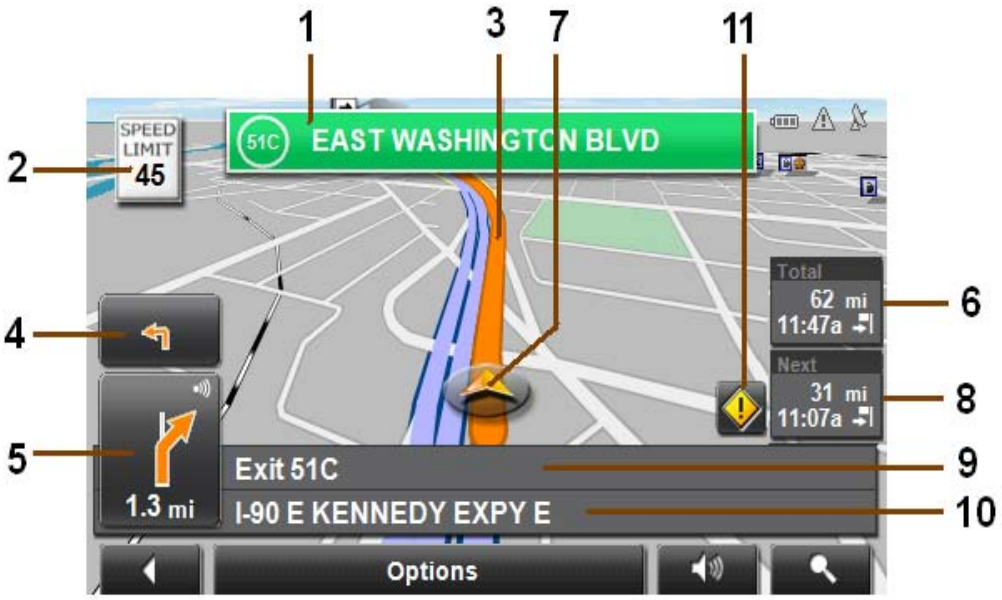
For more information on using this feature, see “Map in Destination search mode” on page 72.

DRAFT

Map in Navigation mode

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

Navigation is shown in **Navigation** mode.



1. Signposting 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 schematic depiction of the next maneuver. The remaining distance to the junction is displayed below the arrow.

   As you get closer to the junction, the spot diagram, rather than the distance, is shown.

   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, you see only a forward-facing arrow. The distance you travel on the road you are on displays beneath the arrow.

   - Tap the large arrow field to hear current route instructions.
6. The remaining distance to the destination, the estimated duration of the trip, and the estimated time of arrival are shown.
7. An orange triangle shows your current position. The displayed map area continually changes so that your current position is always centered on the map.

DRAFT

8. If you are navigating a route with several stages, you see the remaining distance, estimated duration of the trip, and the estimated time of arrival for the next interim destination in the **Next** field.
9. The name of the next stretch of road that you must travel on is displayed in the upper street field.
10. The name of the street you are currently travelling on is displayed in the lower street field.
11. TMC shortcut button. (Only shown if the TMC (traffic) accessory service has been purchased. See page 75 for more information.) The TMC shortcut button displays when traffic messages have been received and are currently available. Tap the button to display the TRAFFIC INFORMATION WINDOW.

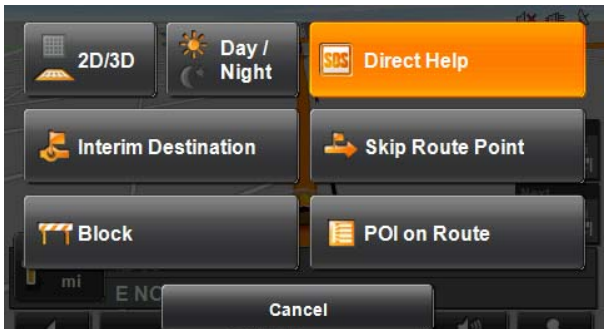
Note: The displays for many of the above mentioned fields can be configured via Options > Settings > Basic Settings. Some displays only function if the corresponding information is available on the map.
Note: If you tap on the large arrow field, the current route instruction is repeated.

- Tap Options > Show Turn-by-Turn List to view detailed directions for the route. (See “Viewing a Turn-by-Turn List” on page 62.)
- Tap (Destination search) to view the map in **Destination search** mode. (See “Map in Destination search mode” on page 72.)
- Tap (Back) to quit navigation.

DRAFT

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.



2D/3D: Changes between 2D and 3D mode. The symbol for the mode that is currently set is marked orange.

Day/Night Changes between "day" and "night" display modes. The symbol for the mode that is currently set is marked orange.

Interim Destination Opens a menu for entering an interim destination. The navigation system first guides you to this interim destination. Afterwards, you can simply continue navigation to your original destination.

Block Tap this button in order to block a section of the route that lies in front of you, i.e. to recalculate the route in order to avoid this section of the route, e.g. if you have heard of a traffic jam relating to this section on the radio.
Tap this button again to remove the block.

Direct Help

Skip Route Point Tap this button to omit the next route point. This button is inactive when less than 2 route points are pending.

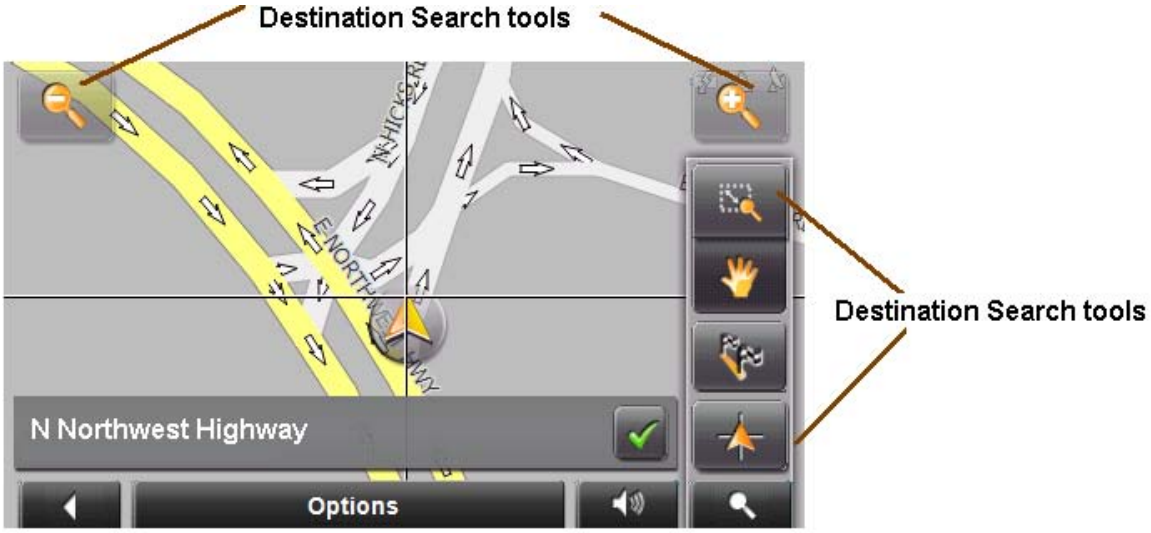
POI on Your Route Tap this button to display POIs on your route. This enables you to find out, for example, how far it is to the nearest services. A destination shown here can be added as an interim destination by tapping the (Interim Destination) button to the right of its entry in the list.

DRAFT

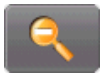
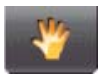
Map in Destination search mode

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.



Destination search tools include:

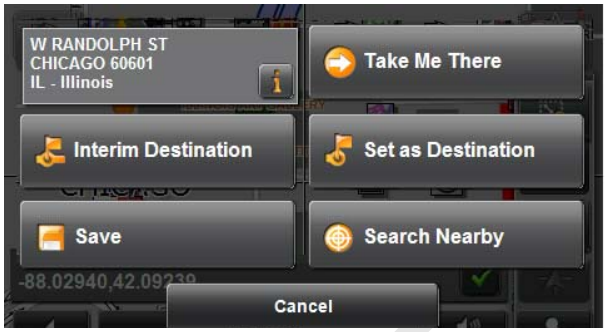
	Zoom Out	The map section shown becomes larger, but fewer details are shown.
	Zoom In	The map section becomes smaller, but shows more details.
	Zoom Mode	When this button is active, you can plot a map section with your finger. Plot the map section from upper left to bottom right and it zooms to fit the 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 your finger. Tap on the map and drag it in the desired direction.
	Entire Route	Zooms the map so that the entire route is visible.
	Current Position	Show your current position on the map.

DRAFT

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 for the selected point to be stored in the FAVORITES list.

For more information, see “Starting navigation” on page 46.

Search Nearby	Opens the POI NEARBY WINDOW. Here you can search for destinations near the specified point. (See “POIs nearby” on page 36.)

- Tap (Destination search) to quit the **Destination search** mode. You are returned 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 your decision to quit navigation.

DRAFT

Reality View (Junction View)

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

The **Reality View** mode shows the signposting and lanes you must follow. This mode displays until you pass the highway junction. Once past the junction, the map returns to **Navigation** mode.

While traveling through the highway junction:

- To change from **Reality View** back to **Navigation mode**, tap anywhere on the map.
- To change from **Navigation Mode** back to **Reality View**, tap the Next Maneuver button.

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

DRAFT

TMC (Traffic Information) (Optional Accessory)

> TMC (Traffic) Information can be purchased for the ***NAVIGON 21MAX*** as an optional accessory.
>
> Once purchased, TMC information is provided for the lifetime of your ***NAVIGON 21MAX*** device at no additional charge.
>
> For more on purchasing and activating this accessory service, see “Optional Accessory Services” on page 11.

Lifetime TMC Information allows your ***NAVIGON 21MAX*** to receive the latest traffic information available. If necessary, it can change your route dynamically in order to avoid a traffic jam.

Accessing the TMC (Traffic Information) Window

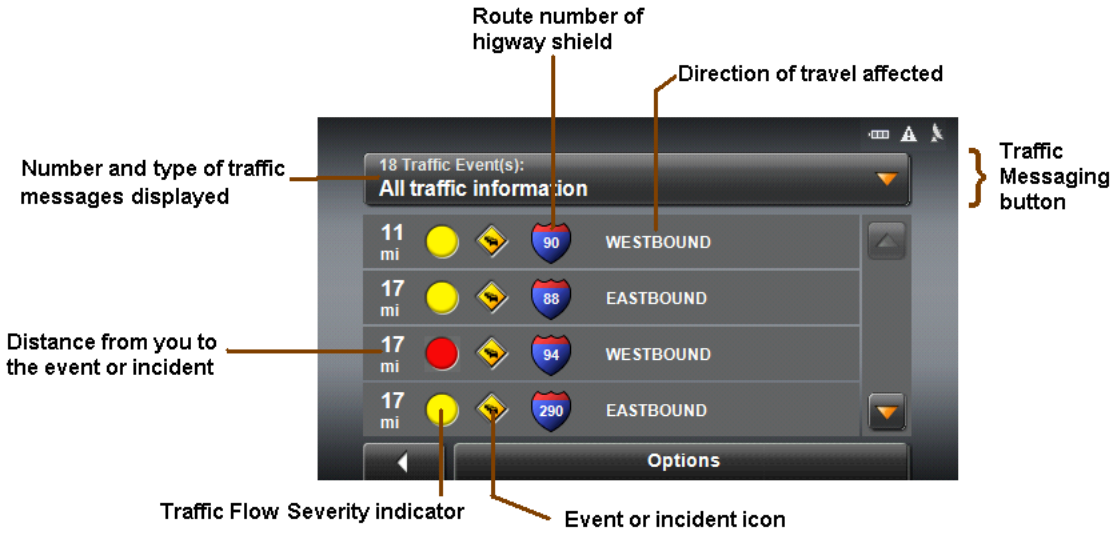
All currently available traffic information can be viewed from the Options button on the MAIN WINDOW, ROUTE PLANNING WINDOW and any of the map views.

From any of the above windows:

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

DRAFT

The TMC (Traffic Information) Window



Types of Messages

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

DRAFT

Traffic Flow 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.

DRAFT

Displaying traffic messages

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

On the MAIN WINDOW:

1. Tap Options > Traffic.

   The TRAFFIC INFORMATION WINDOW opens.

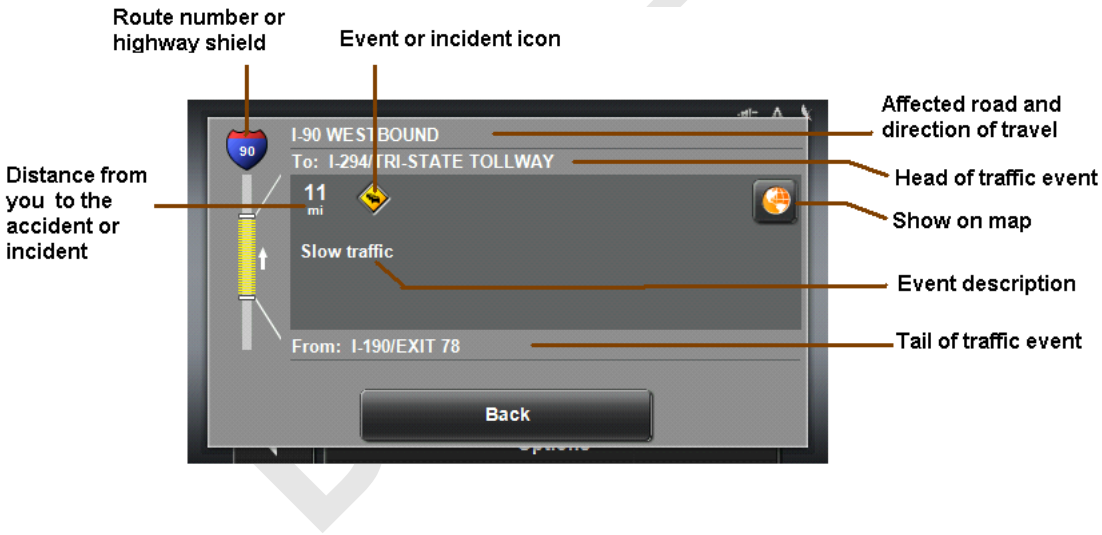
   Above the list, the Traffic information button indicates the type of traffic information listed (on-route, off-route, etc.) and how many messages of this type are listed.

   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.

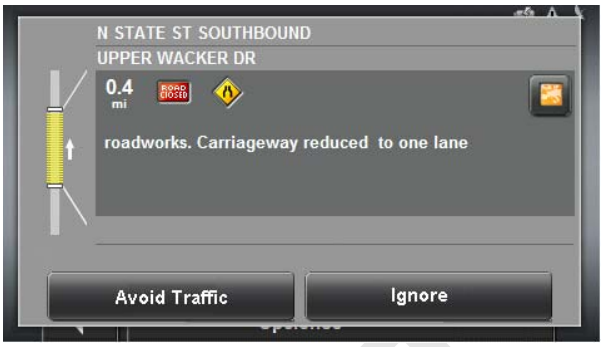
3. When finished, tap the Back button to return to the TRAFFIC INFORMATION WINDOW.



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 82.

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.



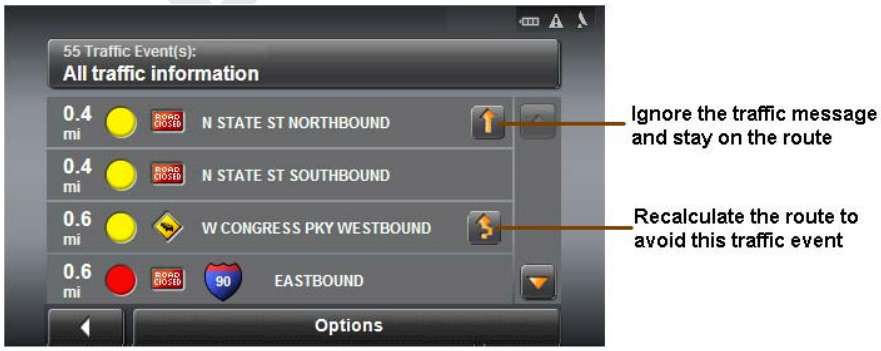
On the TMC DETAIL WINDOW:

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.

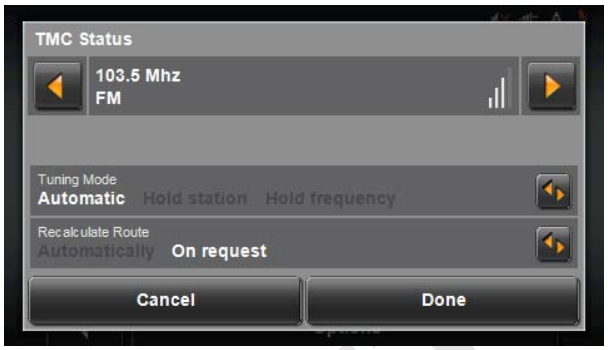
DRAFT

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.



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, select an option:

Automatically	The system searches for another station if reception becomes poor.
Hold station	The system searches for the same station on a different frequency if the signal becomes poor.
Hold frequency	The system does not search for another station if reception becomes poor.

2. Tap (List) to view the list and select an option.
3. Tap the Done button to save your changes.

DRAFT

Specify the type of traffic messages to display

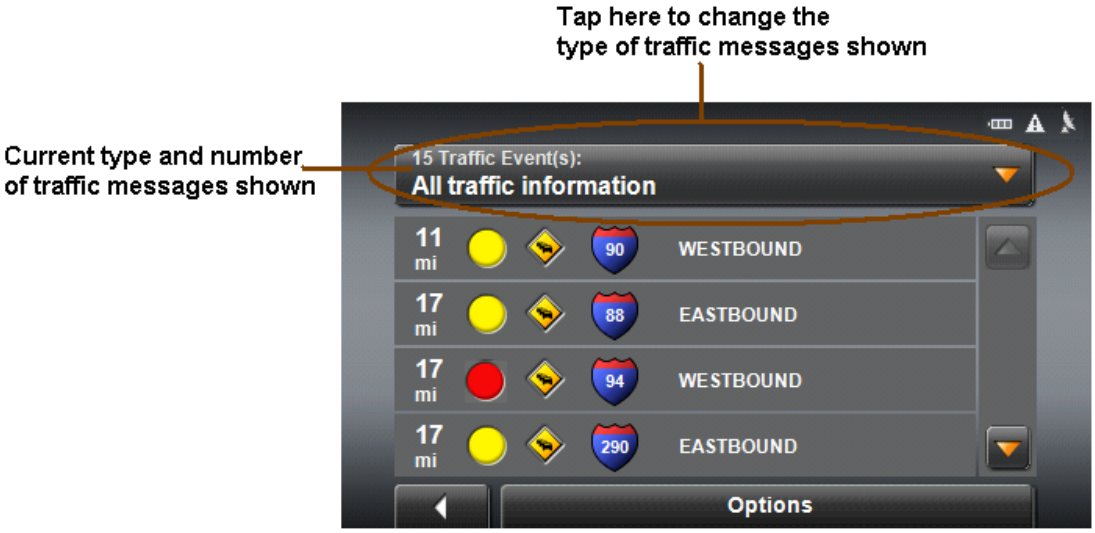
On the MAIN WINDOW:

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 69.

The Traffic Messages 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.
3. Tap on the type of error messages to display.
4. Tap the OK 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. Tap Options > TMC Settings
2. 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.

3. Tap (Toggle) to switch between options.

   The selected value is in bold.
4. Tap the Done button to save your changes.

DRAFT

Integrated Bluetooth (Hands-Free Operation)

With ***NAVIGON 21MAX***, you can use Bluetooth to operate your mobile phone hands-free.

On the BLUETOOTH HF PHONE WINDOW, you can:

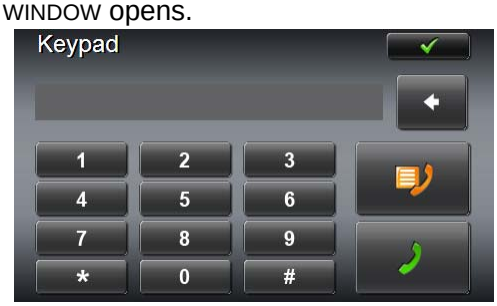
(Keypad)	Use this keypad to enter a telephone number. (See “Dialing a telephone number” on page 86.)
(Connect)	Tap to establish a connection between the two devices. (See “Connecting to a Telephone” on page 85.)
(Call History)	Tap this button to view a list of previous calls. (See “Calling most recently dialed, received or missed numbers” on page 86.)
(Use hands-free)	Tap this button to pair to a phone. (See “Transferring a call from a mobile telephone” on page 88.)
(Bluetooth Manager)	Tap this button to view or change Bluetooth settings.
(Return to Previous	Tap this button to return to the previous window.

DRAFT

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 21MAX***, 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 21MAX*** to a mobile phone or open the CALL HISTORY list.

Ending Hands-Free Operation

In the BLUETOOTH HF PHONE WINDOW:

- Tap (Return to Previous).

DRAFT

Connecting to a Telephone

NAVIGON 21MAX 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 21MAX***.
3. Initiate a connection to the detected ***NAVIGON 21MAX*** device.
   You are prompted to enter the mobile phone password.
4. Enter a four digit password (user defined).
   On ***NAVIGON 21MAX***, 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 21MAX***. 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.

DRAFT

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.

DRAFT

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.

DRAFT

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 85.)

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 21MAX***.

- 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.

DRAFT

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.

DRAFT

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 85.

DRAFT

Logbook

You can use the ***NAVIGON 21MAX*** to record 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 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: When logbook recording starts, 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 the Start button.

Stopping the recording

From the MAIN WINDOW:

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

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

DRAFT

This page intentionally left blank.

DRAFT

Customizing Your NAVIGON 21MAX

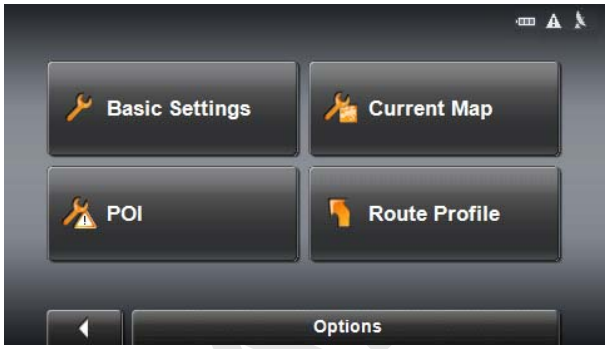
Accessing the Settings window

The settings can be reached via the options of several windows.

- Tap Options > Settings.

The Settings window

The SETTINGS WINDOW is where you can customize your ***NAVIGON 21MAX*** 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 be displayed on screen and to be used with spoken directions. Options are English, Spanish, or French.
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. High-way 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

DRA

	displayed in 3D view mode.
2D Map:Show Street Names	Indicate whether to show street names on maps displayed in 2D view mode.
2D Map Orientation	Indicate the orientation of maps shown in 2D map view mode. Options are Direction of Travel (at the top of the map), or Always North (North at the top of the map).
Show Altitude and Speed	Show or hide the altitude and current speed on a displayed map.
Display Compass	Show or hide a small compass on screen during navigation.
Show Remaining Distance	Show or hide the distance remaining to the destination or an interim destination, if applicable.
Show Duration of Journey	Show or hide the travel time remaining to the destination or an interim destination, if applicable.
Show Time of Arrival	Show or hide the time of arrival at the destination or an interim destination, if applicable.
Info When Crossing Borders	Show or hide local speed restrictions when crossing a country border.
Show Speed Limits	Select whether to show highway speed limits. Options are always, only when exceeding the speed limit, or never.
Warnings Within Urban Areas	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.
Warnings Outside of Urban Areas	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.
Warn Against Certain Speed Limits	Show or hide speed limit restrictions in force during special situations, such as rain, snow, time of day restrictions, etc.
Menu Animation	Indicate whether the opening of menus is animated.
Distance Unit	Indicate the distance unit to be used, either Miles or Kilometers.
Time Format	Indicate how times are displayed, either a 12 hour format (with am and pm), or a 24 hour format.
Coordinates Display	Show or hide coordinates.
Coordinate Format	If coordinates are shown, indicate whether they display in decimal format or in minutes and seconds format.

DRAFT

Brightness Day	Indicate the display brightness for use during the daytime. Options are from 1 (less bright) to 8 (most bright).
Brightness Night	Indicate the display brightness for use at night. Options are from 1 (less bright) to 8 (most bright).
Speed-Dependent Volume	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.
In-Store Demo	Enable or disable the in-store demo. (When enabled, the demo starts after 5 minutes.)

Current Map Settings

These settings include:

Current Map	Displays information on the currently displayed map.

POI Settings

These settings include:

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

Route Profile Settings

These settings include:

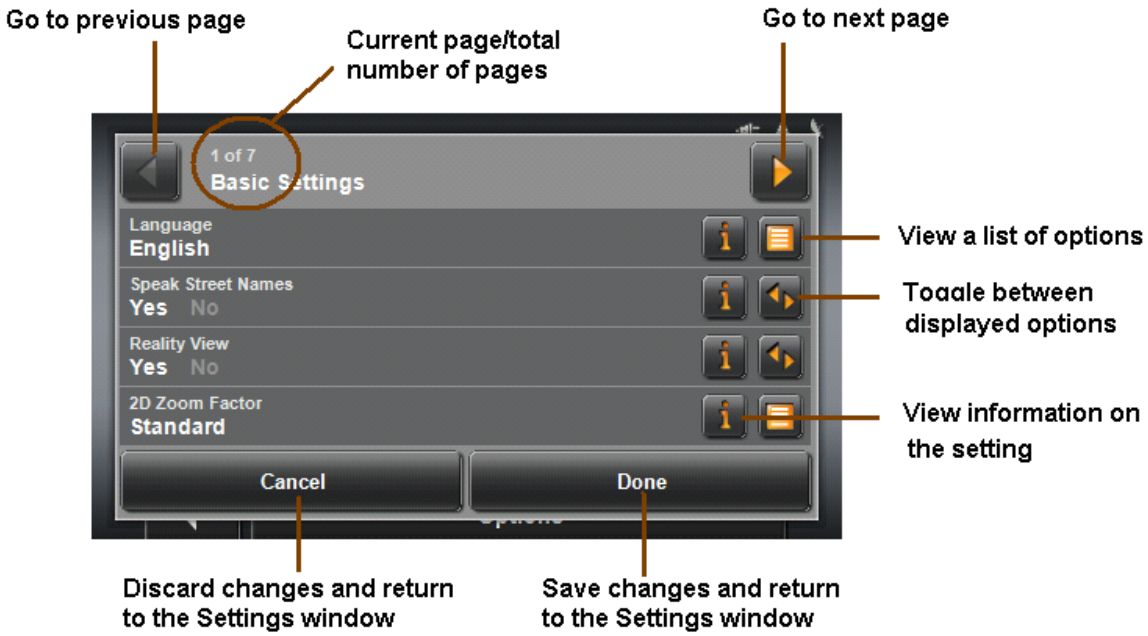
Speed Profile	Select the type of transport: car, bicycle, or pedestrian. This is used for calculating routes and arrival times.
Type of Route	Select the type of route to be calculated: Fast, Optimum (uses both fast and short sections in the route calculation), or Short.
Consider Traffic Information	Select whether TMC (traffic information) is used when calculating a route. (This requires a TMC reception and may not be available in all areas.) **Note**: This option is only available if the TMC (traffic) optional accessory service has been purchased and activated.
Highways	Select whether highways are considered in a calculated route.

DRAFT

Toll Roads	Select whether toll roads are considered in a calculated route.
Ferries	Select whether ferries are considered 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.
U-turn allowed	Select whether u-turns are considered when calculating a route.

DRAFT

Selecting options



Moving between pages

Some ***NAVIGON 21MAX*** settings required several windows, as shown in the example above (Page 1 of 7). To move between windows:

- Tap (To the Left) and (To the Right).

Viewing a list of options for a setting

Some settings have several values. A value 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 desired value. It is now marked.
3. Tap the Accept button.
   The list closes. The new value is displayed.

Viewing information about a setting

For each setting there is a (Help) button. Tap the button to view an explanation of of the setting.

DRAFT

Toggling 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 the potential values.

Changing an option setting

After changing an option setting:

- To save the change, tap the Done button.
- To discard the change, tap the Cancel button.

The SETTINGS WINDOW redisplays.

DRAFT

Legal Notices

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 casualties as outlined in UL’s Standard(s) for Safety for Information Technology Equipment (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.

DRAFT

This page intentionally left blank.

DRAFT

Technical Data

Specifications

Dimensions		4.83" x 3.03" x 0.74"
Weight		6.27 ounces
Operating conditions	Operating temperature	-10°C to 60°C
	Storage temperature	-20°C to 70°C
	Humidity	0% to 90%, non-precipitating
CPU		Samsung 400Mhz
Operating System		Microsoft Windows CE Net 5.0
Display		4.3”-LCD-Color display with resistive Touch-Panel 480x272 pixels (WQVGA) Landscape format, permeable
Memory	ROM	64 MB
	RAM	512 MB
GPS		Built-in (Nemerix NX) Built-in antenna Socket for external antenna
TMC		Built-in (GNS FM6)
I/O	Keyboard	Software keyboard
	Loudspeaker	Built-in
	Memory card	SD
	USB	USB 1.1
	Bluetooth	BT 2.0
Rechargeable battery	Type	LiPo/LiIon min 1200mAh non removable
	Period of operation	Up to 3 hours[1]
Charging	Electronic	Built-in
	Duration	Approx. 6 hours
Car charger cable	Type	With integrated TMC antenna
	Input	12V = (Direct current, DC)
	Output	5V =, 1A (Direct current, DC)

1. Some ***NAVIGON 21MAX*** features can reduce battery operation time. These include TMC accessory service, GPS antenna reception, Daytime backlight feature, etc. When on full power mode, battery time is approx. 2-3 hours.

DRAFT

Compliance Notices

Federal Communication Commission Interference Statement

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

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

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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

Canada C Request

Country Code selection feature to be disabled for products marketed to the US/CANADA

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.

This Class [B] digital apparatus complies with Canadian ICES-003.

This Category II radiocommunication device complies with Industry Canada Standard RSS-310.

DRAFT

Index

A

arriving at your destination 46, 63

B

bluetooth
- connect 85
- hands-free 83
- pairing 85
- telephone 85

C

configuration 93
- options
  - move between pages 97
  - save changes 98
  - selecting 97
  - toggle between options 98
  - view a list 97
  - view information 97

current location
- save 52

D

data entry 31
destination 52
- current location 52
- Favorites 54
- home address 52, 56
- Last Destinations 55
- My Destinations 54
- new 31
- new location
  - select by city 34
  - select by street 35
- no GPS reception 46
- POI information 43
- quit navigation 46
- save 51
- search for national POIs 33
- search for POI 33, 47
- search for POIs nearby 33
- select a map area 32
- start navigation 46
- Take Me Home 56
- tap on the map 33

destination search
- POI direct access 33
- POI in a city 33

destination search mode 72
- functions 73
- operating in 73

E

end user license iii
entering data 31

G

GPS
- current location 52
- faulty reception 4
- signals 4
- symbols 22

H

hands-free operation 83
- call in progress
  - hang up 89
  - keypad 88
  - mute 87
  - navigation 88
  - troubleshooting 90
  - use hands free 88
  - use mobile phone 88
  - volume 87
- close 84
- connect 85
- hang up 89
- incoming call 86
- keypad 88
- make a call
  - call history 86
  - dial a number 86, 87
- mute 87
- navigation 88
- open 84
- pairing 85
- telephone 85
- troubleshooting 90
- use hands-free 88
- use mobile phone 88
- volume 87

home address 52, 56
hotline 2

J

junction view 74

DRAFT

K

keyboards 24

L

Liability 2
license iii
logbook 91
  start recording 91
  stop recording 91

M

main window 17
make a call
  call history 86
  dial a number 86, 87
manual
  symbols 1
maps 65, 67
  destination search mode 72, 73
  junction view 74
  navigation mode 69
    functions 71
  NAVIGON 21MAX 65
  Reality View 74
menus 25
message types to display 81
My Destinations 54
  Favorites 54
  Last Destinations 55

N

navigation 60
  block a route section 62
  no GPS reception 46
  quit 46
  remove a block on a route section 63
  route profile 60
  start 46
navigation mode 69
  functions 71
NAVIGON 21MAX
  description 3
  installation 8
  power 10
  start 11, 17
  storage card 8
  TMC 10
  what's included 5
new destination 31

O

optional accessories
  activating 11
  confirming activation
    Traffic 14
    Zagat POIs 15
optional accessory
  TMC
    status 23

P

password
  cancelling a 28
  changing a 27
  help 28
  setting a 27
password lock 27
POI
  direct access 33
  in a city 33
POIs national 33
POIs nearby 33
power 10
  symbols 22
preview mode 67

R

Reality View 74
recalculate route 82
route planning 57
route points
  delete 59
  entering 58
  order of 58
route profile 60
routes
  arrive at your destination 46, 63
  block a route section 62
  calculate and display 60
  load a saved 59
  manage 59
  navigation 60
  planning 57
  remove a block on a route section 63
  route points 58
  route profile 60
  save 59
  simulation 61
    end 61
    start 61
  starting point 57
    changing 58
    current location 57

DRAFT

S

safety information 6
search
  national POIs 33
  POIs nearby 33
Search for POI
  direct access 33
  in a city 33
search for POI
  information 43
service 2
settings
  configuration 93
  move between pages 97
  save changes 98
  selecting 97
  TMC 80
  toggle between options 98
  view a list 97
  view information 97
  volume 20
settings window 93
  accessing 93
simulation
  end 61
  start 61
software keyboards 24
storage card 8
support 2
symbols used in the manual 1

T

Take Me Home 52, 56
telephone 83
  connect 85
  pairing 85
  telephone 85
TMC
  recalculate route 82
  show 75, 78
  symbols 23
  traffic message types to display 81
  tuning 80
TMC settings
  recalculate route 82
trademarks 2
traffic information 81
  recalculate route 82
  settings 80
  show 75, 78
  tuning 80
tuning
  TMC 80
turn-by-turn list 62
  block a route section 62
  remove a block on a route section 63
  view a 62

V

volume 20

W

what's included 5

DRAFT

This page intentionally left blank.

DRAFT