

# Maps User Guide

---



© 2009 Nokia. All rights reserved.

Nokia is a registered trademark of Nokia Corporation. Other product and company names mentioned herein may be trademarks or tradenames of their respective owners.

Portions of the Nokia Maps software are ©1996-2008 The FreeType Project. All rights reserved.

Reproduction, transfer, distribution, or storage of part or all of the contents in this document in any form without the prior written permission of Nokia is prohibited.

Nokia operates a policy of ongoing development. Nokia reserves the right to make changes and improvements to any of the products described in this document without prior notice.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, UNDER NO CIRCUMSTANCES SHALL NOKIA OR ANY OF ITS LICENSORS BE RESPONSIBLE FOR ANY LOSS OF DATA OR INCOME OR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES HOWSOEVER CAUSED.

THE CONTENTS OF THIS DOCUMENT ARE PROVIDED "AS IS". EXCEPT AS REQUIRED BY APPLICABLE LAW, NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE MADE IN RELATION TO THE ACCURACY, RELIABILITY OR CONTENTS OF THIS DOCUMENT. NOKIA RESERVES THE RIGHT TO REVISE THIS DOCUMENT OR WITHDRAW IT AT ANY TIME WITHOUT PRIOR NOTICE.

The availability of particular products and applications and services for these products may vary by region. Please check with your Nokia dealer for details, and availability of language options.

/Issue 1 EN

# Contents

<b>About GPS</b> .....	<b>4</b>	Maps settings.....	16
<b>Get started</b> .....	<b>5</b>	Internet settings.....	16
About Maps.....	5	Navigation settings.....	16
Map elements.....	5	Route settings.....	17
<b>Browse maps</b> .....	<b>7</b>	Map settings.....	17
Move on a map.....	7	Synchronisation settings.....	18
Location tracking.....	7	<b>Get updates</b> .....	<b>19</b>
Display indicators.....	7	Nokia Map Loader.....	19
<b>Find places</b> .....	<b>9</b>	Update the Maps application.....	19
Find locations.....	9	<b>Shortcuts</b> .....	<b>21</b>
Plan a route.....	9		
Save and send locations.....	10		
View your saved items.....	10		
Synchronise your favourite locations with Ovi Maps.....	10		
Your search history.....	11		
<b>Services for Maps</b> .....	<b>12</b>		
About licences.....	12		
Walk to your destination.....	13		
Drive to your destination.....	13		
Location details.....	14		
Traffic and safety.....	14		
<b>Settings</b> .....	<b>16</b>		

# About GPS

The Global Positioning System (GPS) is operated by the government of the United States, which is solely responsible for its accuracy and maintenance. The accuracy of location data can be affected by adjustments to GPS satellites made by the United States government and is subject to change with the United States Department of Defense civil GPS policy and the Federal Radionavigation Plan. Accuracy can also be affected by poor satellite geometry. Availability and quality of GPS signals may be affected by your location, buildings, natural obstacles, and weather conditions. The GPS receiver should only be used outdoors to allow reception of GPS signals.

Any GPS should not be used for precise location measurement, and you should never rely solely on location data from the GPS receiver and cellular radio networks for positioning or navigation.

The trip meter has limited accuracy, and rounding errors may occur. Accuracy can also be affected by availability and quality of GPS signals.

Assisted GPS (A-GPS) is used to retrieve assistance data over a packet data connection, which assists in

calculating the coordinates of your current location when your device is receiving signals from satellites.

A-GPS is a network service.

# Get started

## About Maps

With Maps, you can see your current location on the map, browse maps of different cities and countries, search for places, plan routes from one location to another, save locations, and send them to compatible devices. You can also purchase licences for traffic information and navigation services, if available for your country or region.

When you use Maps for the first time, you may need to select an internet access point for downloading maps.

If you browse to an area which is not covered by maps already downloaded in your device, a map for the area is automatically downloaded through the internet. Some maps may be available in your device or on a memory card. You can also use the Nokia Map Loader PC software to download maps. To install Nokia Map Loader to a compatible PC, see [www.nokia.com/maps](http://www.nokia.com/maps).



**Tip:** To avoid data transfer costs, you can also use Maps without an internet connection, and browse the maps that are saved in your device or memory card.



**Note:** Downloading maps may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

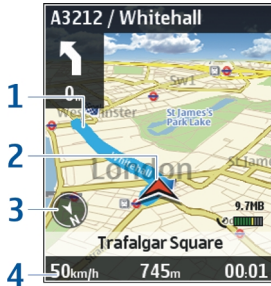
Almost all digital cartography is inaccurate and incomplete to some extent. Never rely solely on the cartography that you download for use in this device.

## Map elements



**Browse maps**

- 1 — Main street
- 2 — Secondary street
- 3 — Selected location
- 4 — Indicator area
- 5 — Point of interest (for example, a railway station or a museum)




### Navigate

- 1 — Route
- 2 — Your location and direction
- 3 — Compass
- 4 — Information bar (speed, distance, time)

# Browse maps

The map coverage varies by country and region.

## Move on a map

When the GPS connection is active,  shows your current location on the map.

To view your current or last known location, select **Options > My position**.

To move on the map, scroll up, down, left, or right with the scroll key. The map is oriented towards north by default.

When you have an active data connection and browse the map on the display, a new map is automatically downloaded if you scroll to an area not covered by the maps that have already been downloaded. The maps are automatically saved in the device memory or on a compatible memory card, if inserted.

To change the map type, select **Options > Map mode**.


## Location tracking

When your speed exceeds 10 kph (6 mph) and stays above the limit for three seconds, the map starts to follow your location.


To align the map back to north, select **Options > Tools > Align map north**.

During tracking, the speed limit and speed camera warning services are active.

## Display indicators

The GPS indicator  shows the availability of the satellite signals. One bar is one satellite. When the device tries to find satellite signals, the bar is yellow. When the device receives enough data from the satellites for GPS to calculate your location, the bar turns green. The more green bars, the more reliable the location calculation.

Initially, your device must receive signals from at least four satellites to calculate the coordinates of your location. After the initial calculation, signals from three satellites may be enough.

The data transfer indicator  21.5 kb shows the internet connection used, and the amount of data transferred since the application started.

# Find places

Need directions? Looking for a restaurant? Maps helps you get there.

## Find locations

To search for locations, press the scroll key and select **Explore**. Start entering the location name in the search field. The device suggests matching nearby locations. Select the location from the list, or enter the location name in the search field, and select **Search**.

1. To find a specific address, select **Options** > **Address search**.
2. Start entering the required information. The fields marked with an asterisk (\*) are mandatory.
3. Select the address from the list of suggested matches.
4. Select **Options** > **Search**.

To find an address saved in the contacts list, select **Options** > **Address search** > **Options** > **Select from Contacts**.

To search for locations by their coordinates, select **Options** > **Address search** > **Options** > **Search by**

**coordinates**. To select the coordinate format, scroll up or down.

To search for locations in specific categories, such as restaurants or shopping, press the scroll key, and select **Explore**. Select a category, and enter the search terms in the search field.

## Plan a route

To plan a route, scroll to your start point on the map, press the scroll key, and select **Add to route**. To add the destination and more locations to the route, select **Add new route point**. If you want to use your current position as the starting point, add the destination to the route.

To change the order of the locations in the route, scroll to a location, press the scroll key, and select **Move**. Scroll to the place where you want to move the location, and select **Select**.

To edit the route, press the scroll key, and select **Edit route**.

To show the route on the map, select **Show route**.

To navigate to the destination by car or on foot, if you have purchased a licence for these services, select **Show route > Options > Start driving or Start walking**.

To save the route, select **Show route > Options > Save route**.

## Save and send locations

To save a location to your device, press the scroll key, and select **Save**.

To view your saved locations, in the main view, select **Options > Favourites**.

To send a location to a compatible device, press the scroll key, and select **Send**. If you send the location in a text message, the information is converted to plain text.

## View your saved items

To view the locations and routes you have saved to your device, select **Options > Favourites**.

To sort the saved locations alphabetically or by distance, select **Places > Options > Sort**.

To view the location on the map, press the scroll key, and select **Show on map**.

To add the location to a route, press the scroll key, and select **Add to route**.

To create a collection of your favourite places, such as restaurants or museums, select **Options > New collection**.

## Synchronise your favourite locations with Ovi Maps

The Ovi website contains the internet services that Nokia provides. The Ovi Maps section contains services related to Maps.

To create an account for Ovi, see [www.ovi.com](http://www.ovi.com).

To synchronise the locations, collections, and routes you have saved to your device with your Ovi account, select **Options > Favourites > Synchronise with OVI**.

To set the device to synchronise your saved locations, collections, and routes with your Ovi account automatically when you open and close the Maps application, select **Options > Tools > Settings > Synchronisation > Synchronise with OVI > At start-up and shut-d..**

Synchronising may involve the transmission of large amounts of data through your service provider's

network. Contact your service provider for information about data transmission charges.

## Your search history

To check which locations you have recently searched for, select **Options** > **History**.

To view the selected location on the map, press the scroll key, and select **Show on map**.

To send the location to a compatible device, press the scroll key, and select **Send**.

To add the location to a route, press the scroll key, and select **Add to route**.

# Services for Maps

Traffic and guide information and related services are generated by third parties independent of Nokia. The information may be inaccurate and incomplete to some extent and is subject to availability. Never rely solely on the aforementioned information and related services.



**Note:** Downloading maps may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

You may have a navigation licence pre-installed in your device.

The availability of the services depend on your location and network operator.

## About licences

To purchase a service for your current location, select **Options > Shop & Licenses > Shop**.

When you purchase a service, you have two options:

- purchase a licence with a fixed end date
- subscribe to a licence that is automatically renewed every 30 days until you cancel it. To cancel the licence, select **Options > Shop & Licenses > My licenses**, scroll to the licence, and select **Options > Cancel subscription**.

You can pay for the service in your phone bill or with your credit card. During the purchase, you can select to save your credit card number and expiry date to your device. To remove the credit card information from your device, select **Options > Clear personal data**.

To view your valid licences, select **Options > Shop & Licenses > My licenses**.

To view the services available in other regions, select **Options > Shop & Licenses > Options > Shops for other regions**.

## Walk to your destination

The walking route includes pedestrian zones and parks, prioritises walkways and smaller roads, and omits motorways.

The distance between the start and end points of a walking route is limited to a maximum of 50 kilometres (31 miles) and the travelling speed to a maximum of 30 kph (18 mph). If the speed limit is exceeded, navigation stops and is resumed once the speed is back within limits.

There is no voice guidance available for pedestrian navigation, but the device guides you with a tone or vibration approximately 20 metres (22 yards) before you need to turn or make another manoeuvre. The guiding method depends on the settings of the profile currently active in your device.

To purchase a licence for pedestrian navigation, select **Options > Shop & Licenses > Options > Shops for other regions > All regions > All you can walk All regions**. You can pay for the licence through a credit card or in your phone bill, if supported by your service provider.

When you purchase the licence, you also get the weather service and enhanced search service to your device, if available for your country or region. The enhanced search service enables you to find local

events and travelling related information when you perform searches.

To start navigating, scroll to a location, press the scroll key, and select **Walk to**.

If the destination is on off-road terrain, the route is displayed as a straight line to indicate the walking direction.

To see an overview of the route, select **Options > Route overview**.

To stop navigating, select **Stop**.

## Drive to your destination

To purchase a licence for pedestrian and car navigation, select **Options > Shop & Licenses > Shop > Drive %s**. The licence is region-specific and can be used only in the selected area.

When you purchase the licence, you also get the lane assistance and speed limit warning services to your device, if available for your country or region.

To start navigating by car, scroll to a location, press the scroll key, and select **Drive to**. When you use car navigation for the first time, you are asked to select the language of the voice guidance and download the related voice guidance files.

Downloading voice guidance files may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

To switch between different views during the navigation, press the scroll key, and select **2D view**, **3D view**, **Arrow view**, or **Route overview**.

To find an alternative route, select **Options** > **Diff. route**.

To repeat the voice guidance, select **Options** > **Repeat**.

To adjust the volume of the voice guidance, select **Options** > **Volume**.

To view details about the trip distance and duration, select **Options** > **Dashboard**.

To stop navigating, select **Stop**.

## Location details

This service is only available if you have an active internet connection and you have purchased a licence for pedestrian navigation.

To view the details of a location, such as weather forecast, contact information, and upcoming events,

scroll to the location, press the scroll key, and select **Show details**.

To see a more detailed weather forecast, if available, select **Options** > **Full weather details**.

## Traffic and safety

The real-time traffic information service provides information about traffic events that may affect your travel. You can purchase and download the traffic information service to your device, if available in your country or region.



**Note:** Downloading maps may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.

Traffic and guide information and related services are generated by third parties independent of Nokia. The information may be inaccurate and incomplete to some extent and is subject to availability. Never rely solely on the aforementioned information and related services.

To purchase a licence for the traffic information service, select **Options** > **Shop & Licenses** > **Shop** > **Traffic & Safety** %s.

When you purchase the licence, you also get the notification service for speed cameras, if available for your country or region.

The location of speed cameras can be shown on your route during navigation and tracking, if this feature is enabled. Some jurisdictions prohibit or regulate the use of speed camera location data. Nokia is not responsible for the accuracy, or the consequences of use of speed camera location data.

To view information about traffic events, select **Options** > **Traffic info**. The events are shown on the map as triangles and lines.

To view the details of an event, including possible rerouting options, select **Options** > **Open**.

To update the traffic information, select **Update traffic info**.

To set your device to plan a new route automatically to avoid traffic events, in the main view, select **Options** > **Tools** > **Settings** > **Navigation** > **Reroute due to traffic**.

# Settings

## Maps settings

To edit the Maps settings, select **Options** > **Tools** > **Settings** and from the following:

- **Internet** — Define the internet settings.
- **Navigation** — Define the navigation settings.
- **Route** — Define the routing settings.
- **Map** — Define the map settings.
- **Synchronisation** — Define the settings for synchronising saved items with the Ovi web service.

## Internet settings

To define the internet settings, select **Options** > **Tools** > **Settings** > **Internet** and from the following:

- **Go online at start-up** — Set the device to open an internet connection when you start Maps.
- **Default access point** or **Network destination** — Select the access point to be used when connecting to the internet.
- **Roaming warning** — Set the device to notify when your device registers to a network other than your home network.

## Navigation settings

To define the navigation settings, select **Options** > **Tools** > **Settings** > **Navigation** and from the following:

- **Voice guidance** — Select the language of the voice guidance for car navigation. You may need to download the voice files before you can select the language. Downloading voice guidance files may involve the transmission of large amounts of data through your service provider's network. Contact your service provider for information about data transmission charges.
- **Backlight** — Define the backlight setting.
- **Automatic zoom** — Use automatic zooming.
- **Traffic info update** — Update the information about traffic events.
- **Reroute due to traffic** — Plan a new route to avoid traffic events.
- **Time indicator** — Show the travel time or estimated time of arrival on the display.
- **Speed limit warner** — Set the device to notify when you exceed the speed limit, if speed limit information is available for your route.

- **Safety spot warner** — Set the device to notify when you approach a speed camera, if such information is available for your route.
- **Maps improvement** — Let Nokia use information from your device to improve the Maps application. The information is collected periodically while you are travelling with typical car speeds, and it is anonymous and encrypted. The information contains your direction, speed, location, satellite time, and accuracy of the positioning. The information is sent only when you use Maps over a fixed or wireless local area network connection. The information is deleted from your device once sent.

The available options may vary.

## Route settings

To edit the route settings, select **Options > Tools > Settings > Route**.

To select the mode of transportation, select **Transport mode > Walk** or **Drive**. If you select **Walk**, one-way streets are regarded as normal streets and walkways can be used.

To use the fastest route, select **Route selection > Faster route**. This option is available only if you have selected **Drive** as the mode of transportation.

To use the shortest route, select **Route selection > Shorter route**.

To plan routes that combine the advantages of both the shortest and the fastest route, select **Route selection > Optimised**.

You can also choose to allow or avoid using motorways, tunnels, ferries, and toll roads.

## Map settings

To define the map settings, select **Options > Tools > Settings > Map** and from the following:

- **Categories** — Select what type of points of interest you want to see on the map.
- **Colours** — Optimise the colour scheme for day or night usage.
- **Memory to be used** — Select where the map files are saved in your device.
- **Maximum memory use** — Select how much memory can be used to store maps. When the memory limit is reached, the oldest maps are removed.
- **System of measurement** — Select the metric or imperial system.

# Synchronisation settings

To define the synchronisation settings, select **Options > Tools > Settings > Synchronisation**.

To set the device to synchronise your saved items with your Ovi account automatically when you open and close the Maps application, select **Synchronise with OVI > At start-up and shut-d..**

To synchronise your saved items with Ovi manually, select **Synchronise with OVI > Manual**. To synchronise the items, in the main view, select **Options > Favourites > Synchronise with OVI**.

To define your Ovi account details, select **Login information**.

If you do not have an Ovi account, create one at [www.ovi.com](http://www.ovi.com).

# Get updates

## Nokia Map Loader

With the Nokia Map Loader application, you can download maps and voice guidance files from the internet to the device memory or a compatible memory card. You must use the Maps application and browse maps at least once before using Nokia Map Loader, as Nokia Map Loader uses the Maps information to check which version of the maps to download.

To install Nokia Map Loader to a compatible PC or Mac, go to [www.nokia.com/maps](http://www.nokia.com/maps), and follow the instructions on the screen.

### Download maps with Nokia Map Loader

1. Connect your device to the computer with a compatible USB data cable or Bluetooth connection. If you use a data cable, select PC Suite as the USB connection method for PCs, and Nokia mode for Macs.
2. Start Nokia Map Loader on the computer.

3. Select a continent and a country. Small countries may be chosen in their entirety; others have several sub-maps from which to choose.
4. Select the maps or extra services, and download and install them to your device.

## Update the Maps application

If your device has an older version of Maps, use Nokia Maps Updater to install the latest version of Maps to your device. Nokia Maps Updater also updates the maps and other services in your device, if needed. Download Nokia Maps Updater to your compatible computer from [www.nokia.com/maps](http://www.nokia.com/maps). To use Nokia Maps Updater, you need to have Nokia PC Suite installed on your computer.

Connect your device to the computer, open Nokia Maps Updater, and do the following:

1. Select your language from the list.
2. If more than one device is connected to the computer, select your device from the list.

3. When Nokia Maps Updater has found updates, download them to your device.
4. Accept the download in your device when prompted on the device display.

When you upgrade an older version of Maps to Maps 3.0, your licences for the services are automatically converted to new ones. The coverage of the car or pedestrian navigation licence may change, but it still covers the area of your old licence. The licence period remains unchanged. For further information on licence coverage, visit [www.nokia.com/maps](http://www.nokia.com/maps).

# Shortcuts

## General shortcuts

To return to your current location, press **0**.

To change the map type, press **1**.

To tilt the map in the 3D view, press **2** and **8**.

To rotate the map, press **4** and **6**. To return the map back to the north up position, press **5**.

## Pedestrian navigation shortcuts

To save a location, press **2**.

To search for locations, press **3**.

To adjust the volume of the pedestrian navigation guidance, press **6**.

To view the list of route points, press **7**.

To adjust the map for night-time usage, press **8**.

To view the dashboard, press **9**.

## Car navigation shortcuts

To repeat the voice guidance, press **2**.

To adjust the map for daytime or night-time usage, press **3**.

To save the current place, press **4**.

To find a different route, press **5**.

To adjust the volume of voice guidance, press **6**.

To add a stopover to the route, press **7**.

To view information about traffic incidents, press **8**.

To check the route information, press **9**.