

## Maps User Guide

Issue 1

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## Introduction

### About positioning methods

Maps displays your location on the map using GPS or A-GPS.

The Global Positioning System (GPS) is a satellite-based navigation system used for calculating your location. Assisted GPS (A-GPS) is a network service that uses local network information to improve the speed and accuracy of the GPS positioning.

Downloading A-GPS data involves data transfer through your service provider's network. While roaming, that is, outside your service provider's network, the data transfer charges may be higher than expected. Therefore, by default, A-GPS is not used while roaming, but this means that calculating your location may take longer than when using A-GPS.

To allow using A-GPS while roaming, select **Menu > Settings > Connectivity > GPS > Net-assisted GPS**. For information about data transfer charges, contact your service provider.

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. GPS signals may not be available inside buildings or underground and may be impaired by materials such as concrete and metal.

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.

### GPS receiver

If your device has an internal GPS receiver, you can use it with Maps.

Using the internal GPS receiver may drain the device battery faster.

### Use an external GPS receiver

- 1 Fully charge your compatible GPS receiver, and switch it on.
- 2 Set up a Bluetooth connection between your device and the GPS receiver.
- 3 Place the GPS receiver in a position with an unobstructed view to the sky.
- 4 Open the Maps application, and select the external GPS receiver.

It may take several minutes to establish the first GPS connection. Subsequent connections are faster, but, if you have not used GPS for several days, or you are very far from the last location you used it, it may take a while to find a strong satellite signal.

You can also use Maps without a GPS receiver to browse maps, search for addresses and locations, and plan routes.

## Get started

### About Maps



Select Menu > Maps.

With Maps, you can browse maps of different cities and countries, search for addresses and places of interest, and view your current position, if available. You can also plan routes, and get turn-by-turn navigation guidance.

If there are maps available in your device or on an inserted memory card, you can browse them without an internet connection. When you browse to an area which is not covered by the maps already downloaded in your device, a map for the area is automatically downloaded through the internet. You may be prompted to select an access point to use with the internet connection.

Downloading maps may involve the transmission of large amounts of data through your service provider's network. For information about data transmission charges, contact your service provider.

You can also use the Nokia Ovi Suite application to download maps. To download and install Nokia Ovi Suite on your compatible computer, go to [www.ovi.com](http://www.ovi.com).

Some services may not be available in all countries, and may be provided only in selected languages.

When you open Maps, select from the following:

**Last map** — Open the map that was displayed last.

**Find address** — Search for a specific address.

**Saved locations** — Find a location you have saved on your device.

**Recent locat.** — View the locations you have browsed.

**Current position** — View your current location.

**Plan route** — Plan a route.

**Settings** — Define the Maps settings.

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 view



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

## Use the compass

If your device has a compass, when activated, both the arrow of the compass and the map rotate in the direction to which the top of your device is pointing.

Select **Menu** > **Maps** and **Current position**.

## Activate the compass

Select **Options** > **Map rotation on**. The compass is active when the map view rotates automatically, and the outline of the compass is green, yellow, or red.

A green outline of the compass indicates excellent calibration. If the outline of the compass is red, the compass needs calibration. A yellow outline indicates that the compass can be used, but the accuracy of the compass is lower, and calibration is recommended.

## Calibrate the compass

Rotate the device around all axes in a continuous movement until the outline of the compass turns green.

The compass has limited accuracy. Electromagnetic fields, metal objects, or other external circumstances may also affect the accuracy of the compass. The compass should always be properly calibrated.

### Deactivate the compass

Select **Options > Map rotation off**. The map is oriented north, and the outline of the compass turns grey.


## Browse maps

The map coverage varies by country and region.

### View the map

You can see your current location on the map, and browse maps of different cities and countries.

Select **Menu > Maps and Current position**.

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

### Move on the map

Scroll up, down, left, or right. The map is oriented towards north by default.

When you browse the map, and you have an active internet connection, a new map is automatically downloaded if you scroll to an area which is not covered by maps already downloaded. These maps are free of charge, but downloading may involve the transmission of large amounts of data through your service provider's network. For more information on data transmission charges, contact your service provider.

When you download new maps, the new maps replace the older ones on your device memory or memory card.

**Tip:** To avoid data transfer costs, use Nokia Ovi Suite to download maps.

### Zoom in or out



Select **Zoom**, scroll up or down, and select **OK**.

### View the details of a location

Select **Options** > **Details**.

### Display indicators

When a GPS connection is active, the GPS indicator is displayed.

 indicates that satellite signals are being searched.  indicates that a satellite signal is available.

### Track your location

When you activate the tracking feature, your location on the map is constantly updated, and the map is centred on your current location.

Select **Menu** > **Maps** and **Last map** or **Current position**.

Select **Options** > **Start tracking**.

### Stop tracking

Select **Stop**.

## Find places

### Find locations

Maps helps you find specific locations and businesses.

Select **Menu** > **Maps**.

- 1 Select **Find address**.
- 2 The country field may automatically be filled in. To change or fill in the country, go to the **Country/region:** field, and scroll left or right to select the desired country from the list.
- 3 Enter the postal code or the name of the city in the **Postal code/city:** field. You do not have to enter the entire city name; usually the first two characters suffice.
- 4 To find a specific address, fill in also the **Street:** and **House number:** fields.
- 5 Select **Find**.

If you are not connected to the internet, search results may be limited.

### Find places of interest nearby

Select **Options** > **Find location** > **Find nearby locations** and a category from which you want to search. The device searches for the places of interest in that category within a radius of 50 km (31 miles) of the selected location.

### View the found location on the map

Select **View map**.

### Save and send locations

When you want to share place information with your friends, you can send these details directly to their devices.

Select **Menu > Maps** and **Last map** or **Current position**.

### Save a location to your device

Select **Options > Use location > Save location**. Enter a name for the location, and select an icon to describe it. The location is saved in **Saved locations**.

### Send a location to a compatible device

Select **Use location > Send location**. The location is sent as a multimedia message.

## Navigate to your destination

### Plan a route

Plan your journey, and create your route and view it on the map before setting off.

Select **Menu > Maps**.

- 1 Select **Plan route**.
- 2 Select **Starting point** and your current position, a saved or recent location, a place from the map, or a specific address as the start point of your route.
- 3 Select **Destination** and the end point of your route.

### Show the route on the map

Select **Options > Show route > View map**.

### View the details of the route

Select **Options > Route > Route details**.

### Clear the route

Select **Options > Route > Clear route**.

### Navigate to the destination

Select **Options > Use location > Navigate to**.

### Navigate to a destination

You can get turn-by-turn directions while driving or walking.

**Select Menu > Maps.**

- 1 Select **Plan route**, and create a route.
- 2 Select **Options > Show route > Options > Start navigation**.
- 3 Accept the displayed disclaimer, if prompted.
- 4 Select the language for voice guidance, if prompted.

Downloading voice guidance files may involve transmission of large amounts of data (network service). For more information, contact your network service provider.

**Tip:** To avoid data transfer costs, you can use Nokia Ovi Suite to download the voice guidance files, and then transfer and save them to your device.

**Repeat the voice guidance**

Select **Repeat**.

**Silence the voice guidance**

Select **Options > Mute audio**.

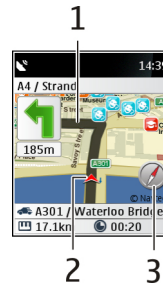
If you deviate from the set route, the device automatically plans a new route.

**Stop navigating**

Select **Stop**.

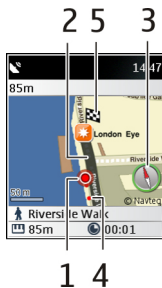
**Navigate on foot**

Select **Settings > Routing settings > Route selection > On foot**. This optimises the routes you create for navigation on foot.

**Drive navigation view**

- 1 Route
- 2 Your location and the direction in which you are moving
- 3 Compass

### Walk navigation view



- 1 Your location
- 2 Route to follow
- 3 Compass
- 4 Your route trail — Displays where you have been walking.
- 5 Destination

### Settings

In Settings, you can change, for example, how the application connects to the internet.

#### General settings

Select **Menu > Maps and Settings > General settings**.

Select from the following:

**Unit of measure** — Select the unit of measurement.

**Points of inter.** — Select the points of interest you want to display on the map.

**Lights** — Define how you want the device backlight to work when you use Maps.

**Voice guidance** — Select the language for voice guidance.

#### Network settings

Allowing a network connection may provide better search results.

Select **Menu > Maps**.

#### Allow your device to connect to the network

Select **Settings > Network settings > Allow network usage > Yes**.

Downloading content may cause transfer of large amounts of data, which may result in data traffic costs.

### Route settings

You can modify the settings for a route to suit your needs, for example, if you want to walk instead of drive.

Select Menu > Maps and Settings > Routing settings.

### Optimise the route for walking

Select Route selection > On foot.

### Use the faster or shorter driving route

Select Route selection > Faster by car or Shorter by car.

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

## Update and download maps

To avoid mobile data transfer costs, download the latest maps and voice guidance files to your computer using the Nokia Ovi Suite application, and then transfer and save them to your device.

To download and install Nokia Ovi Suite on your compatible computer, go to [www.ovi.com](http://www.ovi.com).

**Tip:** Save new maps to your device before a journey, so you can browse the maps without an internet connection when travelling abroad.

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