Navigator for Android Manual

© 2017 ... MapFactor s.r.o.
Table of Contents

Foreword 0

Part I Introduction 4

Part II Installing navigator 6
1 Installing Navigator application ........................................................................................................... 6
2 Installing maps ................................................................................................................................... 7

Part III Using Navigator 15
1 Setting your destination .......................................................................................................................... 15
   Adress .................................................................................................................................................. 19
   POI ..................................................................................................................................................... 20
   Nearest POI ......................................................................................................................................... 23
   Favourites ......................................................................................................................................... 26
   Searching on the internet ..................................................................................................................... 27
2 Navigation ........................................................................................................................................... 29

Part IV Using the map 38

Part V Navigator main menu 45

Part VI Favourites 47
1 Adding favourites ................................................................................................................................. 47
2 Using favourites ................................................................................................................................. 48
3 Saving and Replaying your journeys ................................................................................................. 50

Part VII Tools 54
1 Premium features ................................................................................................................................. 55
2 HD traffic .......................................................................................................................................... 57
3 Parking ............................................................................................................................................. 58
4 Disabled links ................................................................................................................................. 58
5 Odometers ....................................................................................................................................... 59

Part VIII Routing 63

Part IX Night mode 67

Part X Communication 69

Part XI Sharing 71

Part XII Settings 77

© 2017 ... MapFactor s.r.o.
<table>
<thead>
<tr>
<th>Part</th>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Vehicle type</td>
<td>79</td>
</tr>
<tr>
<td>2</td>
<td>Navigation</td>
<td>83</td>
</tr>
<tr>
<td></td>
<td>Alarm (Scout)</td>
<td>84</td>
</tr>
<tr>
<td>3</td>
<td>Localisation</td>
<td>86</td>
</tr>
<tr>
<td>4</td>
<td>Map</td>
<td>87</td>
</tr>
<tr>
<td></td>
<td>Map colors</td>
<td>87</td>
</tr>
<tr>
<td>5</td>
<td>Map Manager</td>
<td>92</td>
</tr>
<tr>
<td>6</td>
<td>Orientation</td>
<td>93</td>
</tr>
<tr>
<td>7</td>
<td>Advanced</td>
<td>93</td>
</tr>
</tbody>
</table>

Part XIII Import

Index
Part I
1 Introduction

Thank you for choosing Navigator. This software is designed to make your life easier, taking you door to door across most of Europe, USA, Canada and many more countries.

Navigator supports platforms:
- Navigator for mobile devices running Android 2.3 / 3 / 4 / 5 / 6 / 7 and newer.
- Navigator for mobile devices running Windows Phone 8.1 and Windows 10 Mobile.
- PC Navigator is for computers running Windows XP / Vista / Windows 7 / Windows 8 / Windows 10 (laptops, TabletPC, CarPC, UMPC an similar).
- Pocket Navigator is designed for PDA’s running Pocket PC 2003, Windows Mobile 5 / 6 or WindowsCE.NET 4.2 / 5 / 6.
Part II
2 Installing navigator

Navigator is available as a download installation from the Internet.

Installation comes in two parts, program and map data.

Two types of maps are available.
1) Free maps from Open Street Maps project
2) Professional Tom Tom maps. Have a more functions (In the Truck version you can additionally edit weight, height and width limits and other large vehicle attributes).

2.1 Installing Navigator application

Navigator can be installed from Google play:

After finishing installation download OSM maps or buy maps Tom Tom.
Show the installation main menu, where you can choose what maps you want to install.

On the first start you will be greeted by a quick start setup screen where you can customise Navigator to your liking. The Application language will be pre-selected according to your system settings.
2.2 Installing maps

Start Navigator. On first screen choose kind of map to download. On top there are OpenStreetMaps (free). Down there are TomTom maps.
If the maps are not installed, you will see the screen:
Choose type of maps. Personal Vehicle or Truck (information about maximum heights and weights of bridges, road width etc.)

Choose continent.
You can buy the whole Europe or any single country and push Buy.

Now you can Continue shopping, or you can go to Checkout.
If you push Checkout, choose paypal or credit card and follow instruction on screen.

Maps download

Choose download destination. Internal Storage or SD Card.
See the list of buying maps:

<table>
<thead>
<tr>
<th>Choose maps to download</th>
<th>TomTom commercial data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sounds</td>
<td>2/20 (0 MB)</td>
</tr>
<tr>
<td>Europe</td>
<td>56/56 (2.8 GB)</td>
</tr>
<tr>
<td>Speed Cameras</td>
<td>2/2 (0 MB)</td>
</tr>
<tr>
<td>Required data</td>
<td>3/3 (0 MB)</td>
</tr>
</tbody>
</table>

You can download everything immediately, or you can choose only any parts of maps. After choose, click on Download now.
You can downloads maps later. Click on Map manager in main menu.

And click Download maps.
Part III
3 Using Navigator

Please note that operating your Navigator while driving can be dangerous and we recommend that you prepare your journey in advance.

3.1 Setting your destination

You can set a destination in several ways, from the map, from the search menu or from one of your favourites.

From the Map

Tap the position on the map where you want to set your destination. The following menu will appear:
From the Search menu

Click on **Menu**.

Click on **Search**.

There are several database types to choose from: **Address**, **POI** (Points of Interest), Favourites and Nearest.
To make a change to any detail tap the textbox it is in. If you have entered search text before, you may see it on the following screen. If you begin typing the old text will be overwritten.

You can also set a destination from that last search performed or from imported data.
Now tap **Navigate** and your journey will be calculated.
3.1.1 Adress

First select the country.

You will now be prompted for the town or region name or postcode.

As you type Navigator will automatically search for nearest matches and list them underneath. Once you see your town in the list tap it.

You must now type the street you are going to (or select TOWN CENTRE).

Once you see your street in the list tap it.

You will now be asked to select a house number from the ranges shown in the list.

If you do not know the house number tap ANY. This will allow you to select a destination on the crossroad with another street. A list of all intersecting street will be shown.

You will now be shown the following screen
Now tap Navigate and your journey will be calculated.

You have also the following options:

- **Set as departure** - Set the start of your journey (only necessary if you want to calculate a route without GPS)
- **Set as waypoint** - Add it as a stop along your journey
- **Set as destination** - Set the destination point without starting navigation immediately
- **Add to favourites** - Add your selection to your favourites
- **Show on map** - Show the result on the map

### 3.1.2 POI

If you want to go to a point of interest tap the POI tab.
First select the country you want to search in. Next select the town, region or postcode area. If you want to search the entire country select **ANY**. Now you can select the POI type. Points of interest are divided into six groups.
Now select the type of POI you are looking for. If you want to search through all points of interest tap **ANY**.

Now type the name of the POI you are looking for.

As you type Navigator will automatically search for nearest matches and list them underneath. The icon to the right of the name tells you what type POI is listed. Once you see your POI in the list tap it.

You will now be shown the following screen
Now tap **Navigate** and your journey will be calculated.

You have also the following options:

- **Set as departure** - Set the start of your journey (only necessary if you want to calculate a route without GPS)
- **Set as waypoint** - Add it as a stop along your journey
- **Set as destination** - Set the destination point without starting navigation immediately
- **Add to favourites** - Add your selection to your favourites
- **Show on Map** - Show the result on the map

### 3.1.3 Nearest POI

This is a location based search useful for finding closest points of interest to:

- **Current Map Position** - nearest to the centre of the current map view
- **Current GPS Position** - nearest you current position
- **At Destination** - nearest to your navigation destination
**Along Route** - nearest points of interest along your route

Select one of the options.

Now you can select the POI type.
Points of interest are divided into six groups.

- **ANY**
- **Administration**
- **Culture and Entertainment**
- **Shopping and Eating out**
- **Sport and Health**
- **Tourism and Religion**
- **Travel and Accomodation**

You will now see the location of the closest points of interest along with their direct distance
indicates that the POI is along your route

Select one or more POI's by using the checkboxes on the left.
You will now be shown the following screen

Now tap Navigate and your journey will be calculated.

You have also the following options:

Set as departure - Set the start of your journey (only necessary if you want to calculate a route without GPS)
Set as waypoint - Add it as a stop along your journey
Set as destination - Set the destination point without starting navigation immediately
Add to favourites - Add your selection to your favourites
Show on Map - Show the result on the map
3.1.4 Favourites

Using favourites you can quickly access locations and set as navigation destinations.

Tap on a favourite and you will be taken to the following screen. To expand a group tap on it.
Now tap Navigate and your journey will be calculated.

You have also the following options:

Set as departure - Set the start of your journey (only necessary if you want to calculate a route without GPS)
Set as waypoint - Add it as a stop along your journey
Set as destination - Set the destination point without starting navigation immediately
Add to favourites - Add your selection to your favourites
Show on Map - Show the result on the map

Favourite Journeys are set in Main Menu/My routes

3.1.5 Searching on the internet

If you have a device that has a connection to the Internet you will see an extra button in the Address Search section.
If you can't find an address in the Navigator database you can search it online with Google or Yahoo.

Click on the Search drop down menu to change the search locality.
3.2 Navigation

You should now be in navigation mode. Your journey will be highlighted on the map.

You will see something like
Instructions about your next maneuver are displayed in the opaque bar at the bottom of the screen.

If you have added one or more waypoint to your journey you will see the following screen:
Here you can deselect waypoints that you no longer want to route through by using the checkboxes on the left of the screen.

Tapping on the map screen reveals four hidden buttons - zoom in, menu, zoom out and in the bottom right of the map the route overview button. Tap the route overview button to see the whole length of your journey. You can now operate the map without it centring on your GPS position. This is useful if you want to find other places on the map or find an alternative route.

Tap the route overview button to see the whole length of your journey. You can now operate the map without it centring on your GPS position. This is useful if you want to find other places on the map or find an alternative route.

To get back to navigation mode tap the route overview button again.

On major roads the navigator will often activate the lane assistant which helps you get in the right lane for the next manoeuvre. Correct lanes are shown in green, others red with crosses.
To see the full itinerary of your route tap the manoeuvre arrow on the left of the screen. To see the itinerary you can go from Menu - Route - Itinerary.

Here you can select to show the select link on the map, add it to favourites or disable it from the routing engine. Once a link is disabled it will not be used in future route calculations.

Tap on any navigation panel on the lower part of the screen to change what it displays or change the number of panel displayed.

A screen with several option will appear. Tap one to select it.

Here you can set what type of information you want to see in the navigation panel at the right of the screen as you drive. Possibilities are:

- **DST** - Distance to destination - how far away you are in km or miles
- **TTA** - Time to destination - the approximate time left before you reach your destination
- **ETA** - Time in destination - the approximate time you will arrive at your destination
- **TTM** - Time to maneuver - the approximate time before your next maneuver
- **ALT** - Altitude, **SPD** - Speed, **AZI** - Course, **SAT** - Number of satellites, **GPS** - Position, **TIM** - Time and
DAT - Date give you data about your current position and the Satellite signal.
TTW - Time to the nearest waypoint - the approximate time left before you reach the nearest waypoint
DTW - Distance to the nearest waypoint - how far is the nearest waypoint
SPL - Speed limit - the speed limit on the current road

**Detour**

By click in the map, you will see the following offer:

Now tap on Detour.

Select where the detour should start.
Set how long the detour should be:
By long click on any button in toolbar you can change its function. You will select the new function from the list:
4 Using the map

Tapping the map will reveal a choice of six functions:

- set as start point
- set as waypoint. If you click on an existing waypoint the icon will show as . Select this icon if you want to delete it.
- set as navigation destination
- information about the map layers under the circled point
- Add to favourites.

- Edit routing parameters of the selected link, like average speed and maximum speed. In the Truck version you can additionally edit weight, height and width limits and other large vehicle attributes.

- Block a road from routing (it will not be used by the routing engine during navigation). A blocked road is highlighted on the map in purple. To unblock it follow the same procedure but click the icon.

- Find nearest poi

By long click on any button in toolbar you can change its function. You will select the new function from the list:
By tapping on the screen with two fingers you can measure the distance between them.
In Settings/Map Language you can change the language of texts on the map (e.g. Praha/Prague)
Map scale
Change size of texts, roads and icons

Map language
Set preferred language used in map

Map colors
Change map color schemes

Map language

App language
Local names
English

Cancel

north is not up

APPLICATION

Data source
Select which map data you want to use - Free OSM or TomTom commercial data

Languages
Application and device language
5 **Navigator main menu**

When you tap the Menu button on the map screen you will get to the Navigator menu system.

<table>
<thead>
<tr>
<th>Icon</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>🔍</td>
<td>Search</td>
</tr>
<tr>
<td>🔴STOP</td>
<td>Stop navigation</td>
</tr>
<tr>
<td>⬆️Route info</td>
<td></td>
</tr>
<tr>
<td>🚨</td>
<td>My places</td>
</tr>
<tr>
<td>📌</td>
<td>Tools</td>
</tr>
<tr>
<td>🌍Map</td>
<td></td>
</tr>
<tr>
<td>🛠️</td>
<td>Settings</td>
</tr>
<tr>
<td>🗺️Map manager</td>
<td></td>
</tr>
<tr>
<td>✕️Exit</td>
<td></td>
</tr>
</tbody>
</table>
Part VI
6 Favourites

Use favorites to create your own database of favorite locations which you can quickly access and set as navigation destinations.

You can add a favorite in two ways, from the map or from the Find & Navigate menu.

6.1 Adding favourites

Adding a favourite from the map

If you want to add a favourite from the map make sure you first move and zoom to the right place.

Tap on the point where you want to add the favourite.

Select the star button from the toolbox that appears.

Now enter the name of the favourite.

Adding a favourite from the Find & Navigate menu

Once you have performed a search for an Address, POI (Points of Interest).
Now tap Add to Favorites.

Now enter the name of the favourite.

6.2 Using favourites

Using favourites you can quickly access locations and set as navigation destinations.

From the first menu tap Find & Navigate and then select the Favourites tab.
Tap on a favourite and you will be taken to the following screen. To expand a group tap on it.
Now tap **Navigate** and your journey will be calculated.

You have also the following options:

- **Set as departure** - Set the start of your journey (only necessary if you want to calculate a route without GPS)
- **Set as waypoint** - Add it as a stop along your journey
- **Set as destination** - Set the destination point without starting navigation immediately
- **Add to favourites** - Add your selection to your favourites
- **Show on map** - Show the result on the map

### 6.3 Saving and Replaying your journeys

In Navigator it is possible to save your GPS journeys to file and replay them at a later date

**Saving your Journeys**

In Main menu tap on **My places** - tab GPS recording.
Click on Record as GPX or Record as NMEA.
You are now asked to enter a name for the saved file. A name based on date and time is automatically suggested for you, but you can change it if you wish.

Tap Ok.

The GPS data is now being saved to file. To stop recording tap the Stop journey saving button.

**Replaying your Journeys**

If you want to replay a journey from file simply tap the Replay Journey button in the Odometer dialog. A list of all available journey files will displayed. Select one by tapping on it and then tap Ok.
If you exit back to the map view you will see your journey replayed.
In Main menu tap My places - tab GPS recording. The list of all saved journeys will be displayed. Choose the journey and click on it. The menu will be displayed:
Choose action

- Show on map
- Replay
- Rename
- Delete
- Delete All
- Share
- Show Info
7 Tools

- Search
- Navigate

Tools:
- Calculate route
- Simulate route
- Parking
- GPS info
- Disabled links
- Odometer
- Premium Features
- HD Traffic

Settings
Map manager
Exit
7.1 **Premium features**

![Premium features screen](image)

- **Alternative Routes** 109,00 Kč
  Select from up to 3 pre-calculated routes and use the one which suits you best
- **Head Up Display** 79,00 Kč
  Display navigation instructions on the windshield and keep your eye on the road
- **Remove Ads** 59,00 Kč
  Use Navigator without ads for a distraction free experience
- **Mega Pack** 159,00 Kč
  Buy all the premium features for a discounted price

---

**Alternative routes**
The function will calculate up to 3 different routes. In the bottom of the screen buttons with distance and time to destination will be displayed for each option. By tapping the concrete button you will select the best route.
Head Up Display
Navigator displays the scheme of upcoming manoeuvre and distance to it, speed limit and distance to destination.
Your phone is lying on the dashboard projecting navigation instructions on the windscreen of your car.
7.2 **HD traffic**

You can purchase receiving live traffic information directly in Navigator. In Main Menu go to Map manager - Buy maps. Click on Online traffic information. Select the continent where you wish to receive information. Select the time period for receiving live information = 1 month / 3 months / 12 months and click on Buy button.
7.3 Parking

This function automatically registers where you have parked your vehicle and it will help you to find it later.

Anonymised data about movements are automatically sent. You can switch off sending data from your phone in Settings - Advanced - Use crowd sourced parking.

7.4 Disabled links

By clicking on the part of the street in map and selecting - Editing parameters or blocking the selected part of the road.

And followed by tapping - you will block the road part on which you clicked (for example dug up road). Blocked road is highlighted in purple in map.
You can unblock it by tapping it again and selecting the icon. Or in menu **Tools - Disabled links**.
Click on the street in the list and select **Delete** from menu.

### 7.5 Odometers

Odometer is very useful mainly for tracking of mileage, private and business trips, and for compensation of travel expenses.

In the **Main menu /Settings** click on the icon **Odometers**.
You will see the following odometer chart with actual state of all counters.

Switching between business and private ride is under the counters. At one moment you can use only one counter- it is not possible to record both the business and private kilometers at once. If you wish to reset one of the counters, select a row with this counter and click on Start new journey.
Started at  N/A
Length  0.0 km
Duration N/A

08.08.2013 16:50 - 16:55
Private journey
From Štefánikova (Smíchov, Praha)
To V Botanice (Smíchov, Praha)
Duration 00:04:51, Length 0.16 km
Part VIII
8 Routing

In Navigator it is possible to calculate routes without using Navigation.

You can set your routing points (departure, destination and waypoints) in the same way as setting your destination.

Review your route points by tapping on Route in Main menu.

Deleting all - deletes all waypoints in the list
Reverse route - reverse the order of the route points, plan a route back from the destination to the departure
Optimise - if you have selected more than one waypoint you Navigator will sort them to make your route faster

Tap a routing point to see another menu.
Delete - deletes the currently selected waypoint
Show on map - shows the currently selected waypoint on the map
Add To My places - saves the currently selected waypoint as a favourite

Once you are satisfied with your routing points tap Calculate Route.

The route will be highlighted on the map. To review the itinerary tap Menu, then Route and then tap Itinerary.
Here you can see driving instructions for the whole journey as well as the total distance.

You can perform actions on the junctions in the list by tapping on them.
Part IX
9 Night mode

In Navigator it is possible to switch to a different map colour scheme for use at night. This mode is easier on the eyes when driving at night.

To switch between night and day mode go to Main Menu 1.
Part X
10 Communication

TCP/IP communication can be used for remote messaging with and control of navigator based products - for example as a solution for communication between driver and controller. It can also be used for integration with third party software.

The list of commands and intents can be found here:
http://kb.mapfactor.com/kb/Navigator/RemoteCommands

Use intents to create web links which will automatically open Navigator at a required position or you can share favourite points/routes via email.

TCP/IP server go on port 4242
11 Sharing

In Favourites tap on a point and from the menu select Share as GPX.

From the next menu select how you want to share your favourite, this includes the option to email.
Your email client will open with a new message and a GPX attachment.
You can also share recorded NMEA and GPX files.
In Tools - Record/Replay/Manage GPS files select a files and from the menu choose Share.

Receiving an email with a GPX attachment

In the email tap on the GPX attachment.
You will see a menu with a list of all the applications that can use a GPX file
Select Navigator.
You will see a list of points or tracks. Select which ones you want to import.
A then click the import button.
Part XII
12 Settings

You can access Navigator settings in Main Menu 2.

<table>
<thead>
<tr>
<th>NAVIGATION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Autozoom</strong></td>
<td>![on]</td>
</tr>
<tr>
<td>Automatically adjust the map zoom as your drive</td>
<td></td>
</tr>
<tr>
<td><strong>Recalculate route</strong></td>
<td>![on]</td>
</tr>
<tr>
<td>Automatically find new route when you deviate from the current one</td>
<td></td>
</tr>
<tr>
<td><strong>Detailed navigation</strong></td>
<td>![off]</td>
</tr>
<tr>
<td>Get extra instructions when going straight along a road</td>
<td></td>
</tr>
<tr>
<td><strong>Display always on</strong></td>
<td>![on]</td>
</tr>
<tr>
<td>Prevent display from turning off while navigating</td>
<td></td>
</tr>
<tr>
<td><strong>Navigation map mode</strong></td>
<td></td>
</tr>
<tr>
<td>Choose map mode for navigation (3D/2D)</td>
<td></td>
</tr>
</tbody>
</table>

| ADVANCED                                        |          |
| **Alternative routes**                          | **Buy**  |
| Compute alternative routes and let you choose one |          |
| **HD Traffic**                                  |          |
| Traffic information                             |          |
12.1 Vehicle type

Tap Vehicle type to set the type of vehicle you are driving. In the standard version on Navigator you can change speeds of your vehicle. In the Truck version it Navigator takes into account restrictions such as narrow lanes, bridge heights, length of vehicle and so on. Select Pedestrian if you want to work out a route as you walk.

- Truck - In the standard version of navigator this only changes vehicle speed attributes. A more accurate truck mode is available in the Navigator Truck version where bridge heights, weight limits and vehicle lengths are taken into account. To define your own commercial vehicle click Add new. Now enter a name for your vehicle, the type and its dimensions and weight.
If you want to restrict certain road types from navigation for this particular vehicle, you can do so here. Please note that journeys may be considerably longer and occasionally impossible to complete.
Toll Rd Allowed/Prohibited - if you prohibit toll roads, Navigator will work out journey avoiding tolls altogether. Please note that journeys may be considerably longer and occasionally impossible to complete.

Charge Rd Allowed/Prohibited - if you prohibit charge roads, Navigator will work out journey avoiding roads where charges (mainly taxes) apply. Charge roads differ from toll roads in that you are often required to buy a display a special license to use them. An example is the Czech Republic where you must buy and display a special tax sticker to be able to use motorways - (you may use all other roads free of charge). Please note that journeys may be considerably longer and occasionally impossible to complete.

Congestion Charge Allowed/Prohibited - if you prohibit congestion charge areas, Navigator will work out journey avoiding roads where congestion charges apply (e.g. London). Please note that journeys may be considerably longer and occasionally impossible to complete.
12.2 Navigation

You are now in the Navigation Settings menu.
Tap **Autozoom** to toggle the Autozoom feature on or off. Autozoom will automatically adjust the map zoom as your drive, zooming out when between manoeuvres and zooming in as you approach the next junction.

Tap **3D View/Plane View** to toggle between 3D and 2D maps as you drive.

Tap **Routing mode** to select your preferred route type.
- Fastest - this is the default route mode. It takes you to your destination in the quickest time.
- Shortest - this mode calculates the route with the shortest travelling distance.
- Cheapest - calculates the most petrol efficient route.

### 12.2.1 Alarm (Scout)

If you have imported a database (like speed cameras) or it was included with you navigation software then you can use the Scout function to give you advanced warnings as you approach the imported points.

Warning can be set at 100, 500 and 1000 metres/yards from an object. Tap any of the icons to set the warnings on/off for a particular distance. Turn all off to disable Scout completely.
Source - here you can select your own imported database for audible warnings etc.
12.3 Localisation

- **Application language**
  Application language

- **Navigation voice**
  Change voice and speaking engine

- **Map language**
  Set preferred language used in map

- **Unit system**
  Set the units for Navigator

- **24 hour format**
  Use 24 hour time format
12.4 Map

Colour scheme - Here you can change the appearance of the menu and navigation interface.

POI - Here you can select which Points of Interest are displayed on the map.

Projection - change map projection

12.4.1 Map colors

You can create your own map colour schemes. Go to settings/Map colors/Edit color scheme

Select a scheme you want to edit.
<table>
<thead>
<tr>
<th>Setting</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Night mode</td>
<td></td>
</tr>
<tr>
<td>Day mode Africa</td>
<td></td>
</tr>
<tr>
<td>AutoPilot Day</td>
<td></td>
</tr>
<tr>
<td>Default</td>
<td></td>
</tr>
<tr>
<td>Day mode Europe</td>
<td></td>
</tr>
<tr>
<td>Day mode United Kingdom</td>
<td></td>
</tr>
<tr>
<td>Icon</td>
<td>Effect</td>
</tr>
<tr>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td>MapExplorer Marker</td>
<td>Border</td>
</tr>
<tr>
<td>Point of interest</td>
<td>Building</td>
</tr>
<tr>
<td>Scout</td>
<td>Builtup</td>
</tr>
<tr>
<td>Effect</td>
<td>Greenery</td>
</tr>
<tr>
<td>Icon</td>
<td>Rail</td>
</tr>
<tr>
<td>City name</td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td></td>
</tr>
<tr>
<td>Ab City class 1</td>
<td></td>
</tr>
<tr>
<td>Ab City class 2</td>
<td></td>
</tr>
<tr>
<td>Ab City class 3</td>
<td></td>
</tr>
<tr>
<td>Ab City class 4</td>
<td></td>
</tr>
<tr>
<td>Ab City class 5</td>
<td></td>
</tr>
</tbody>
</table>

Road number

- Secondary road
- Primary road
- Motorway

<table>
<thead>
<tr>
<th>Other</th>
</tr>
</thead>
</table>

© 2017 ... MapFactor s.r.o.
<table>
<thead>
<tr>
<th>Routable link</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Footway</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stairs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Road under construction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other road</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local road</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local road - high importance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Local connecting road</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major road</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Secondary road</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primary road</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Large polygons
- Earth
- Country
- Country missing
- Island
- Sky/Ocean overall
- Water Area

### Medium polygons
- Builtup Area
- Postcode Area
- Woodland

#### 12.5 Map Manager

**Data source**
Select which map data you want to use - Free OSM or TomTom commercial data

**Data download type**
Choose how to download data

**Map updates check**
Check for map updates automatically

**Early maps access**
Help us test the latest maps by downloading them one week earlier

**Rate maps and comment**
Let us know about the quality of the map data

**Change installation SD-Card**
Move application data between internal and SD Card
12.6 Orientation

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lock screen rotation</td>
<td>Select screen rotation mode</td>
</tr>
<tr>
<td>Line to destination</td>
<td>Draw line to destination in map mode</td>
</tr>
<tr>
<td>Use compass</td>
<td>Use compass to determine your direction</td>
</tr>
<tr>
<td>Show compass</td>
<td>Show compass in modes where the map is not north up</td>
</tr>
<tr>
<td>Compass calibration</td>
<td>Calibrate compass to enable map rotation in idle state</td>
</tr>
</tbody>
</table>

12.7 Advanced

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Map renderer</td>
<td>Choose between software and hardware renderer</td>
</tr>
<tr>
<td>Sound output channel</td>
<td>Choose alternative sound output to have custom volume for navigation</td>
</tr>
<tr>
<td>Debug level</td>
<td>Set log verbosity level (can affect application performance)</td>
</tr>
<tr>
<td>Use google analytics</td>
<td>Help us to improve the user experience</td>
</tr>
<tr>
<td>Use crowd sourced parking</td>
<td>Crowd sourced parking helps you find available parking space and remind you</td>
</tr>
<tr>
<td></td>
<td>where you parked your car</td>
</tr>
</tbody>
</table>
Part XIII
13 Import

You can import your own points, lines and shapes databases easily, using the MapExplorer or by diggerQt.exe. More information can be found in the MapExplorer documentation.

If you are using Pocket Navigator you must copy the resulting database to your memory card. Imported databases can be found in C:\Program Files\NavigatorX\MapExplorer\import\ and can be copied anywhere on your memory card.

Specification data source
Input to coordinates system
## Coordinate system

<table>
<thead>
<tr>
<th>MapArea</th>
<th>easting</th>
<th>northing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Czech Republic - S-42 Transformation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Czech Republic - direct Krovak's Trans. 1st quadrant</td>
<td>X</td>
<td>Y</td>
</tr>
<tr>
<td>Czech Republic - direct Krovak's Transformation</td>
<td>-Y</td>
<td>-X</td>
</tr>
<tr>
<td>Europe - Albers conic (equal area) projection</td>
<td>x</td>
<td>y</td>
</tr>
<tr>
<td>Geographical coordinates [WGS84] (angle milliseconds)</td>
<td>longitude</td>
<td>latitude</td>
</tr>
<tr>
<td>Geographical coordinates [WGS84] (dd.ddddd°)</td>
<td>longitude</td>
<td>latitude</td>
</tr>
<tr>
<td>Geographical coordinates [WGS84] (dd:mm:ss.s&quot;)</td>
<td>longitude</td>
<td>latitude</td>
</tr>
<tr>
<td>Geographical coordinates [WGS84] (dd:mm.mmm)</td>
<td>longitude</td>
<td>latitude</td>
</tr>
<tr>
<td>Great Britain - National Grid</td>
<td>easting</td>
<td>northing</td>
</tr>
<tr>
<td>Great Britain - Ordnance Survey</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ireland - National Grid</td>
<td>easting</td>
<td>northing</td>
</tr>
<tr>
<td>Postcode</td>
<td>postcode</td>
<td></td>
</tr>
<tr>
<td>World - Miller cylindrical projection</td>
<td>x</td>
<td>y</td>
</tr>
</tbody>
</table>

### Source data definition

- **Country to import postcodes**: Great Britain - Postcode
- **Postcode column**: POST_CDE

**Sample of Postcode:** [AB12 3Q1]
## Database list

<table>
<thead>
<tr>
<th>Condition value</th>
<th>Icon file</th>
<th>Minimal zoom</th>
<th>Maximal zoom</th>
</tr>
</thead>
<tbody>
<tr>
<td>default</td>
<td>C:\Program Files\Navigator\MapExplorer\pictures\default.png</td>
<td>detail</td>
<td>1:200000</td>
</tr>
<tr>
<td>Hotel</td>
<td>C:\Program Files\Navigator\MapExplorer\pictures\hotel.png</td>
<td>detail</td>
<td>1:200000</td>
</tr>
<tr>
<td>Municipal</td>
<td>C:\Program Files\Navigator\MapExplorer\pictures\municipal.png</td>
<td>detail</td>
<td>1:200000</td>
</tr>
<tr>
<td>Pa &amp; Play</td>
<td>C:\Program Files\Navigator\MapExplorer\pictures\pa_play.png</td>
<td>detail</td>
<td>1:200000</td>
</tr>
<tr>
<td>Pay &amp; Play</td>
<td>C:\Program Files\Navigator\MapExplorer\pictures\pay_play.png</td>
<td>detail</td>
<td>1:200000</td>
</tr>
<tr>
<td>Private</td>
<td>C:\Program Files\Navigator\MapExplorer\pictures\private.png</td>
<td>detail</td>
<td>1:200000</td>
</tr>
<tr>
<td>Public</td>
<td>C:\Program Files\Navigator\MapExplorer\pictures\public.png</td>
<td>detail</td>
<td>1:200000</td>
</tr>
</tbody>
</table>
Import options
Warning: point # 84 has wrong coordinates (not imported).
Warning: point # 133 has wrong coordinates (not imported).
Warning: point # 212 has wrong coordinates (not imported).
Warning: point # 306 has wrong coordinates (not imported).
Warning: point # 327 has wrong coordinates (not imported).
Warning: point # 344 has wrong coordinates (not imported).
Warning: point # 349 has wrong coordinates (not imported).
Warning: point # 449 has wrong coordinates (not imported).
Warning: point # 450 has wrong coordinates (not imported).
Warning: point # 451 has wrong coordinates (not imported).
Warning: point # 450 has wrong coordinates (not imported).