

User's Guide

Navigation-Software

maptrip Version 3.2

English

State: Januar 2013

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A Navigation Software User's Guide

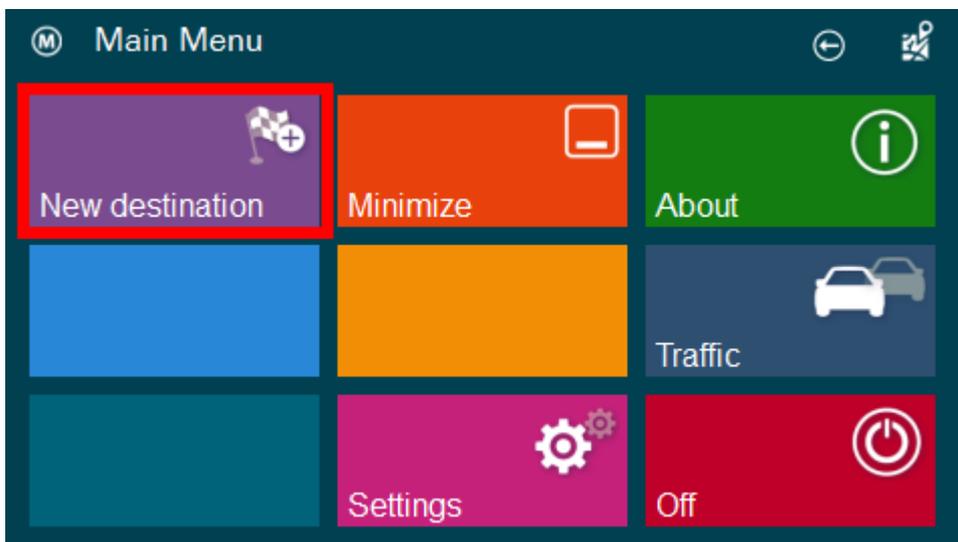
IMPORTANT: When employing a navigation system in a vehicle, i.e., this software and the accompanying hardware, it is your responsibility to set up, secure and use the system in a manner that does not restrict your vision in any way and will not lead to accidents, injuries or material damages. You, as the user of this product, are solely responsible for driving safely. Do not handle this product while driving—always park the car first.

1 Quick-Start

To enter a destination immediately, click the Menu button:

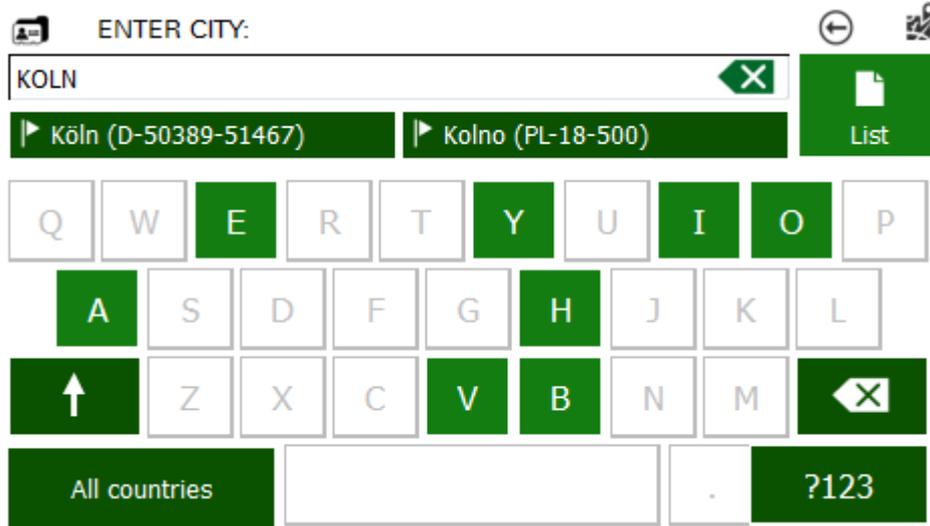


Now click the menu item "New Destination":



With the "address" Button you can enter addresses.

All inputs are easy. Just using the onscreen keyboard, which is automatically added when needed.

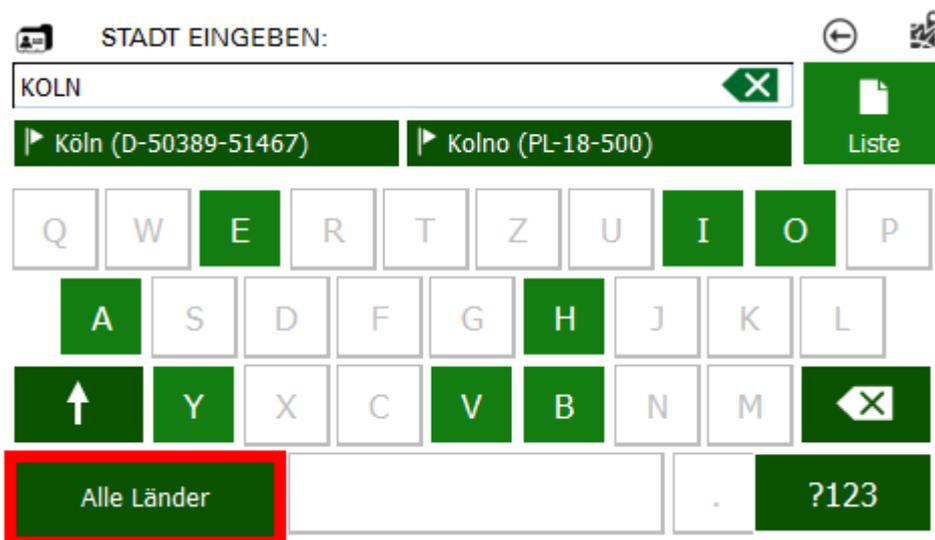


You do not need to enter „umlauts“. In place of an „Ä“ simply enter „A“, instead of „Ö“ enter „O“, instead of „Ü“ enter „U“. For example, if your destination is located in „Köln,“ Germany, just enter „K O L N“.

You do not need to enter spaces and hyphens. Instead, simply click the empty field to the left of the white triangle (at the bottom, third button from the right).

If you make a mistake, click the backspace key to delete the wrong entry.

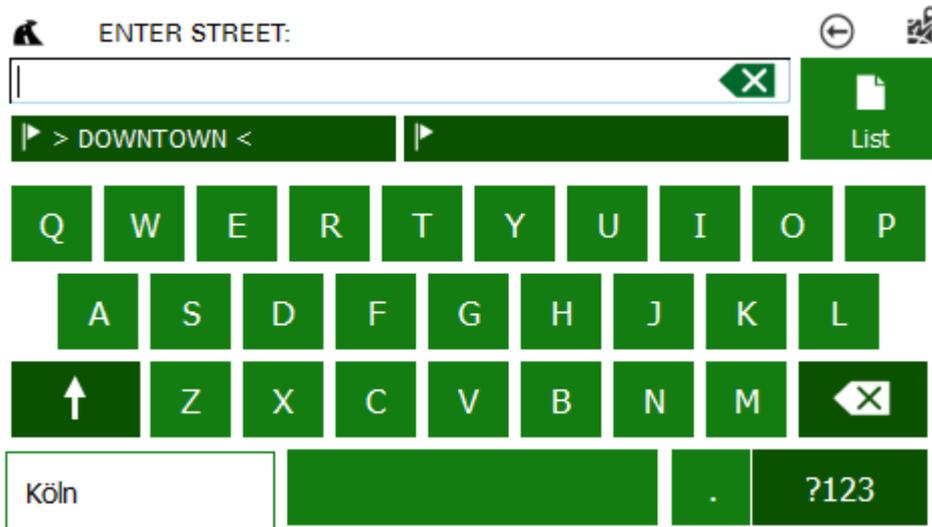
Depending on the version of your software and depending on the map material you may see the pre-select for the country at the bottom left. The last settings will be saved. If you select "All Countries", you can enter places without knowing the country. This is helpful in border areas sometimes.



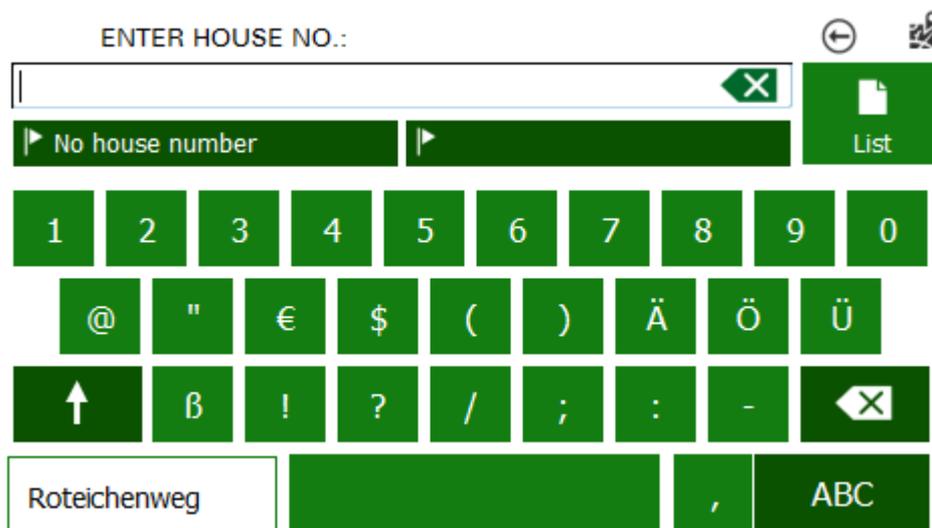
After selection of the cities you get to the road selection.

You can enter any part of the name. E.G. finds the entry "swimming pool", the "pool road / square" - "The Pool" - to the pool ", etc.

Alternatively, you can also choose „TOWN CENTRE" if you want to drive into the center of each city.

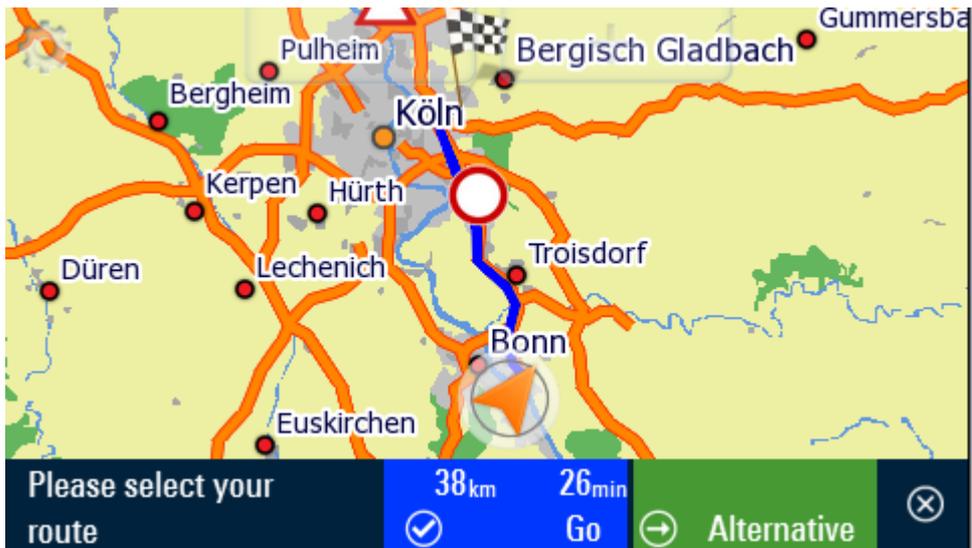


Now you can enter the house number. If the house number in the database should not be present, your navigation software suggests an alternative in the vicinity. If you do not know the house number, you can right click on "Without a house number." Your navigation system will then guide you to the center of the chosen road. Use "back" at the upper right to return back to street search.



After destination input you will see an overview over the route

Please commit the route on the Button in the bottom.



If you want you can calculate an alternative route. Just click on the calculated route button on the left side.

If no alternative was calculated the navigation starts automatically if you start driving.

2 Main Window

After first start you will see following phrase:

★ SECURITY ADVICE

IMPORTANT:

While using this navigation system in a vehicle, you are responsible for positioning the device securely and in such a way, that no accidents, personal damages or damages to property are caused to you or anyone else and that your view is not limited in any way. You, as a user of this product, are responsible for a secure way of driving. Do not operate this product when driving, but park your vehicle first.

Cancel

OK

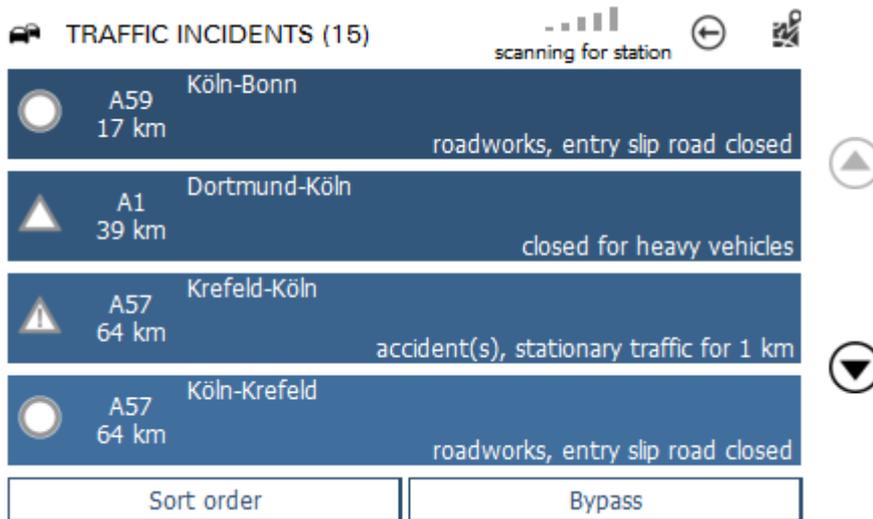
Please read this carefully. Then confirm with "OK" to enter to the configuration wizard. It will guide you step by step trough the standard settings.

After that the software starts with the map:

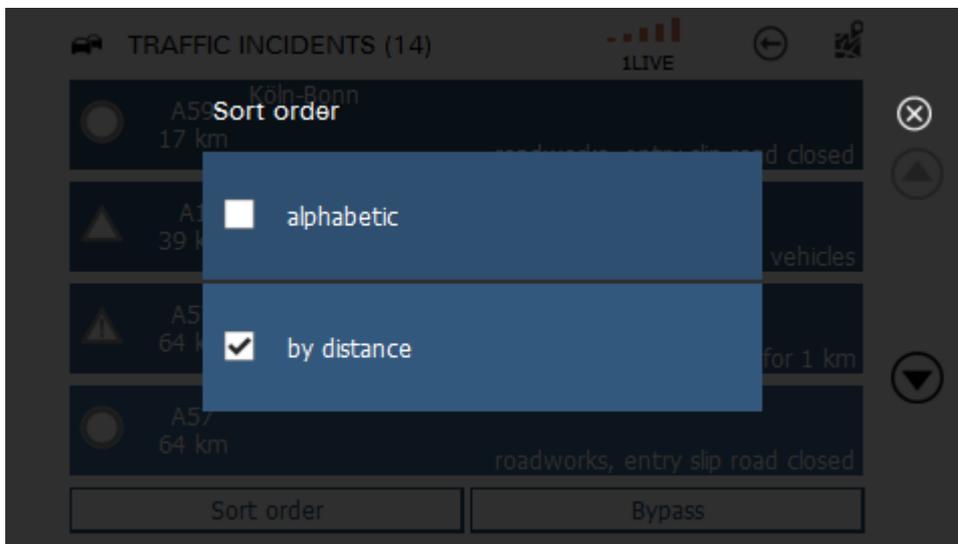


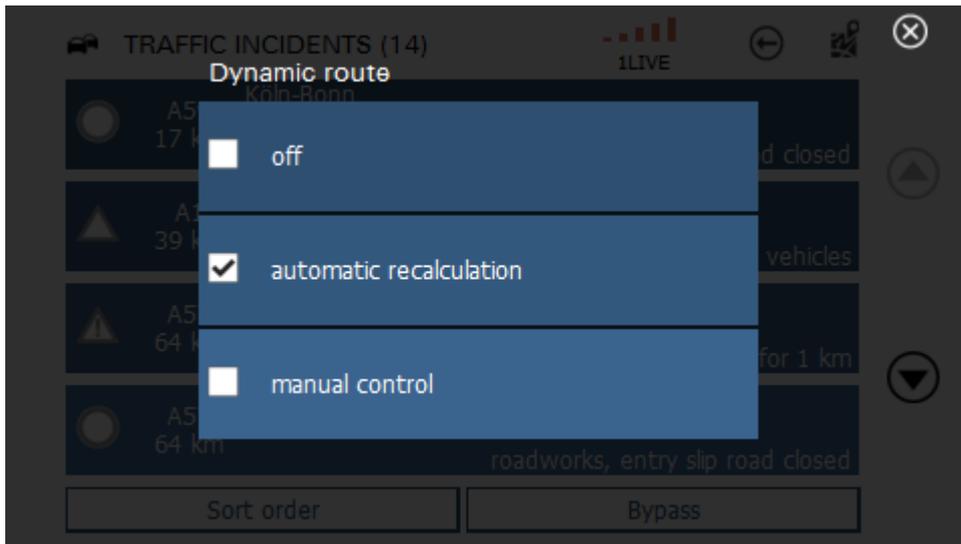
2.1 TMC state (only for devices with TMC receiver)

In the below right corner of the window you can see the TMC receiving state. By clicking on the icon you can see the traffic jams and the receiving state:



In the top right the current channel is displayed (possibly with RDS Radio Text). Use the selection boxes below to order as needed and change the setting of the bypass.



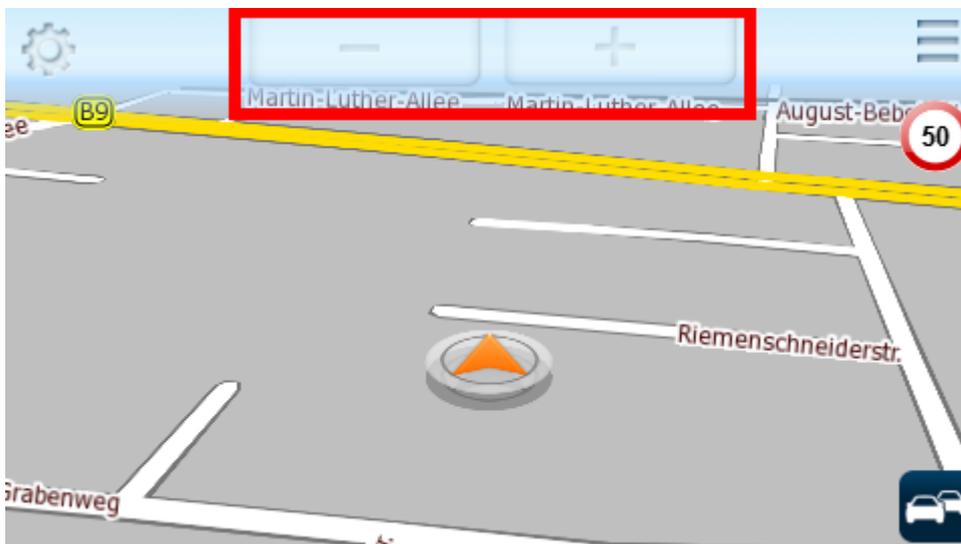


With the „map“ button in the upper right corner you will get back to the main window.

2.2 Zoom

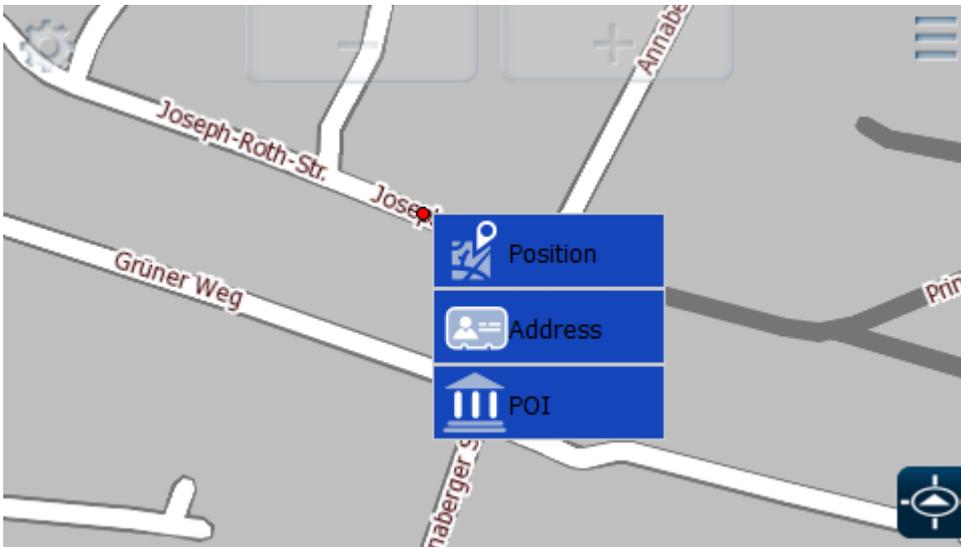
The two zoom buttons in the corners of the map, you can zoom the map. This also works in the navigation. In 3D mode, the zoom out is limited at a certain zoom level.

If the icons do not appear, press on the map to let them show.



2.3 Map browsing

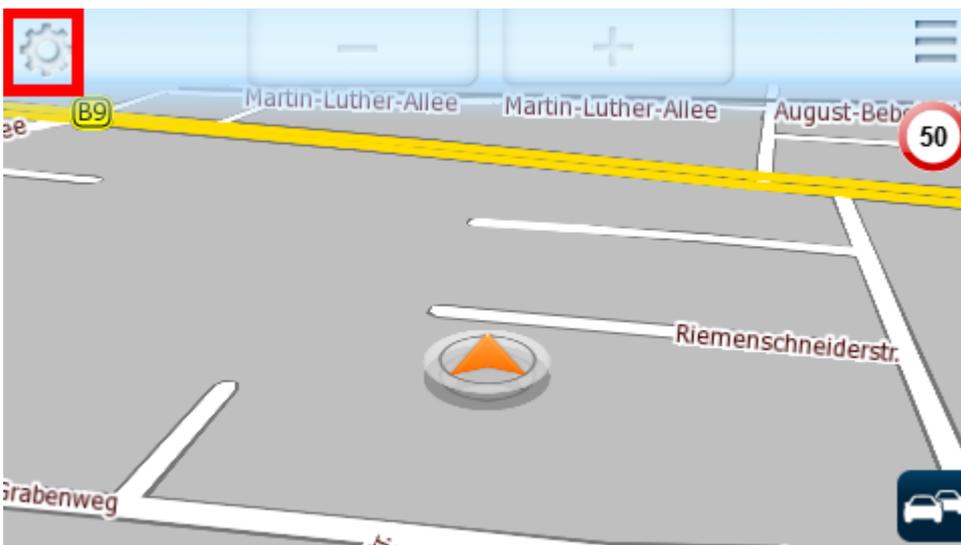
With a click on the map you can choose directly a destination, address or POI for navigation.



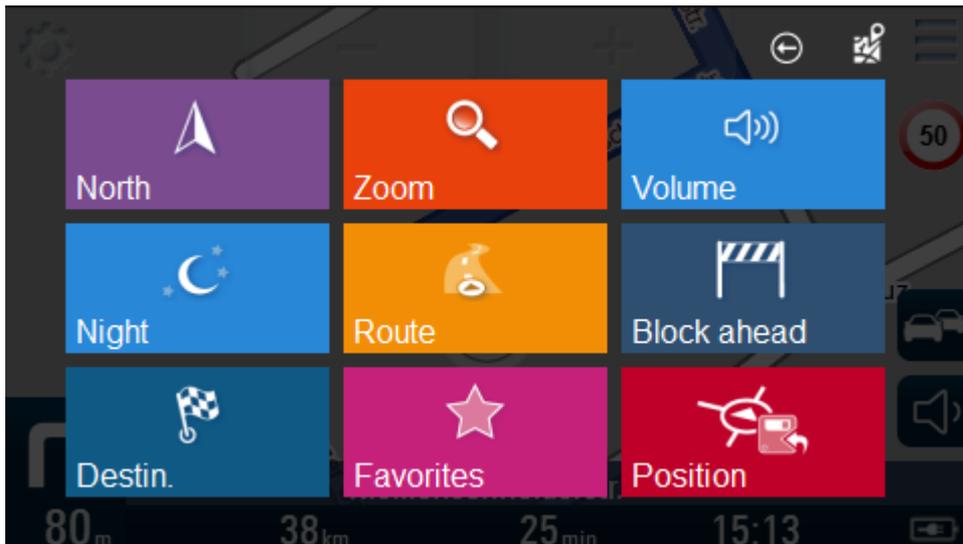
Use the zoom buttons and drag the map to get to the desired point on the map.

2.4 Quick-Menu

The Quick menu button is on the upper left side. With the Quick Menu gives you direct access to key functions and settings.



Depending on whether the navigation has been started or not, some features are not available.

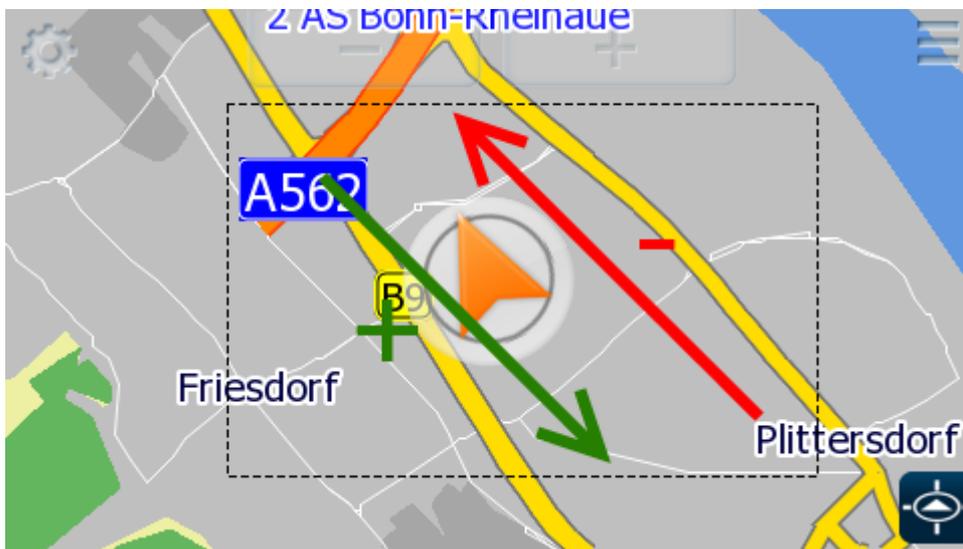


2.4.1 2D / 3D / North

With this Button you can switch between 2D north ,2D in direction and 3D view on map.

2.4.2 Zoom

If this feature is enabled, you can drag a rectangle on the map, the map scale to temporarily change, for example for an increased oversight.

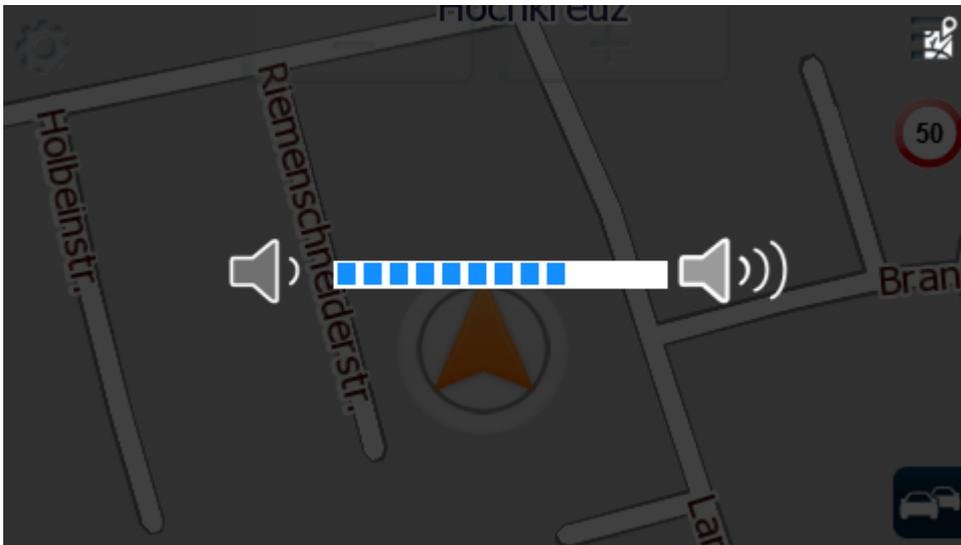


If you draw a box around the target form the upper left to the lower right (green), the map viewer zooms in the selected area.

If you draw a box from the lower right to the upper left (red) the map viewer will zoom out.

2.4.3 Volume

With this button you can adjust the volume of announcements.



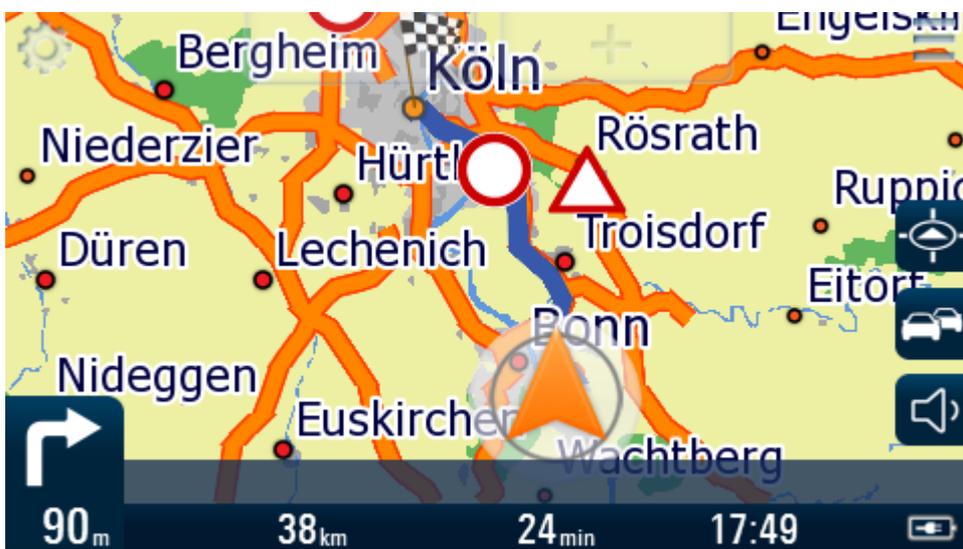
In bottom right of the map an icon appears if the navigation is active. Clicking on this icon mute the announcements. Click again to hear the announcements again.

2.4.4 Day/Night

With this function you can switch between the day and night view. Please also look at Geo-Daylight.

2.4.5 Route

This feature allows you to enter to the route overview. This button is only active in the navigation.



Like in the destination view appears a vehicle icon on the right side of the map. A click

on this button brings you back to the actual position and the navigation view.

2.4.6 Block Ahead



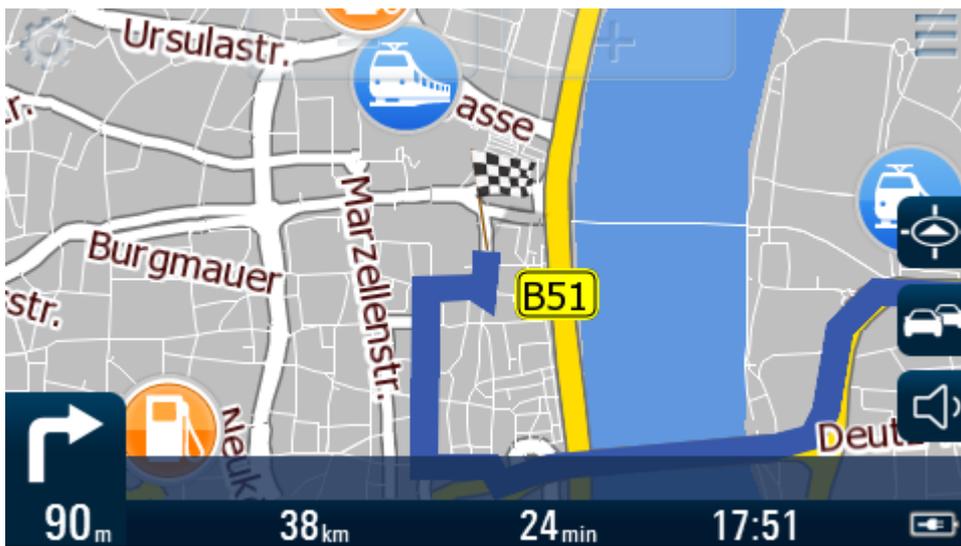
The purpose of the Block KM function is to block the upcoming road section for a certain number of kilometers during active navigation. The navigation system will determine an alternative route bypassing the blocked section.

This function is useful for circumventing traffic jams or blocked roads.

When you have blocked a road, a button “Reset” appears in the Options Menu. Use this button to free the blocked road.

2.4.7 Destination

This feature allows you to enter to the destination view. This button is only active in the navigation.

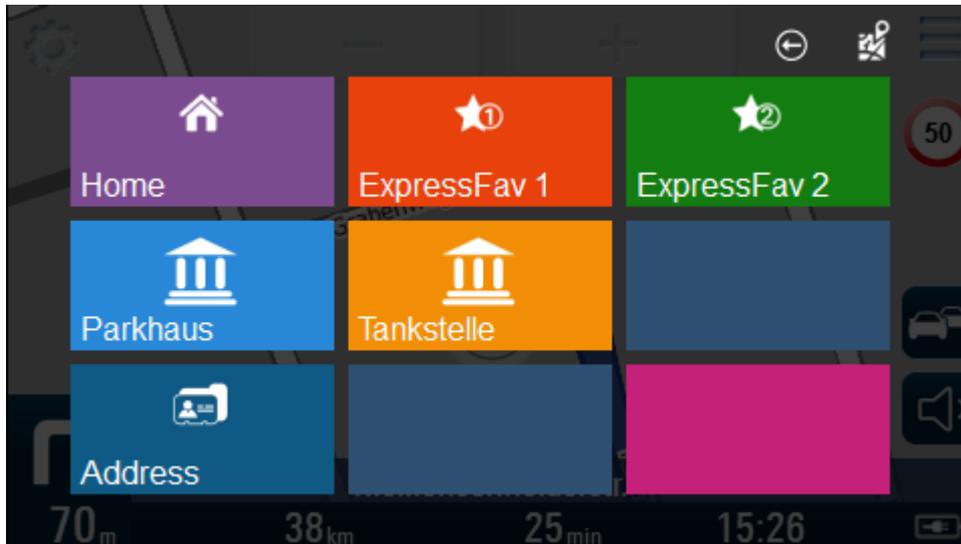


In the destination view appears a vehicle icon on the right side of the map.

A click on this button brings you back to the actual position and the navigation view.

2.4.8 Favorites

With the favorites you can directly navigate to the selected favorite. After selecting the favorite the navigation will start immediately from the actual position. You can find more information in the POI chapter.



2.4.9 Position

Clicking this button saves the current GPS position to your favorites. This allows you to approach the current position later or save it for further use if needed.

For each the stored position, date and time are stored and displayed so that you can possibly differentiate multiple saved records.

2.5 While on Road

2.5.1 Arrow

While navigation you get the upcoming maneuver and distance on the lower side.



2.5.2 Street name

The next street name and maneuver is displayed in the upper middle.



2.5.3 Driving information

On the navigation bar, you can find the driving information.



There is displayed the remaining distance, the journey time and the arrival time.

2.5.4 Highway e.g. street signs

If you get onto a freeway or highway the road signs are displayed in the upper middle, with the direction in which you have to drive.



2.5.5 Lane information / Lane assistant

If there are lane information in the map data and your device supports this feature, you can see the lane information at the bottom in the middle. The tracks, which you can use are color coded.

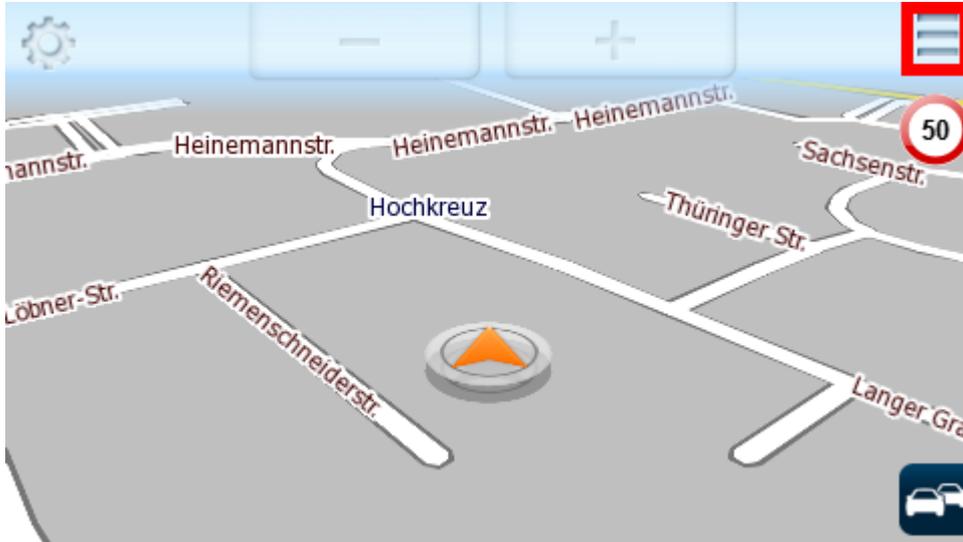


On highways you can see the reality views.

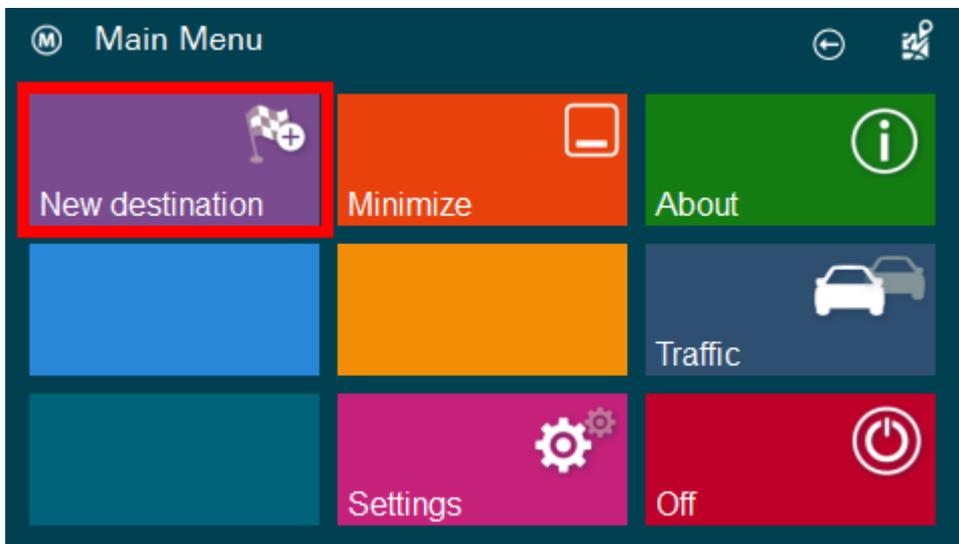


3 Enter destination

To enter a destination immediately, click the upper right Menu button:



Now click the menu item "New Destination":

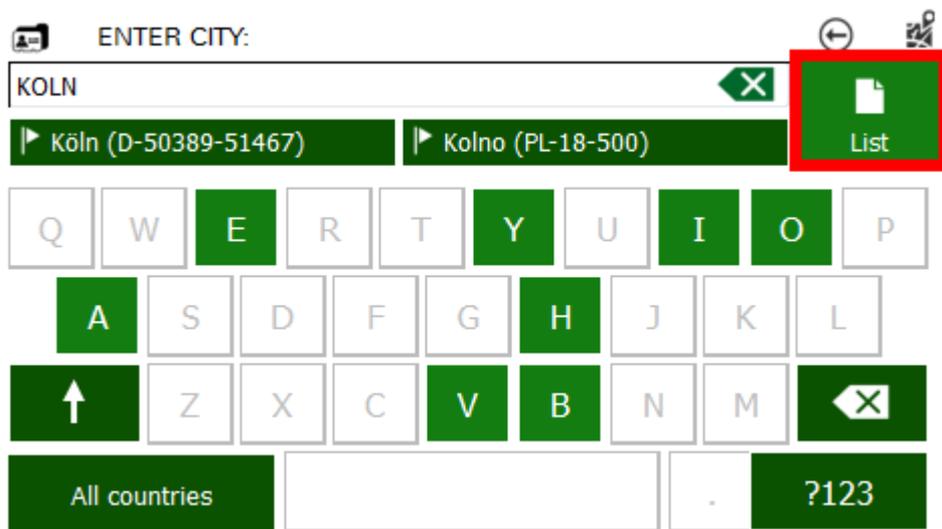
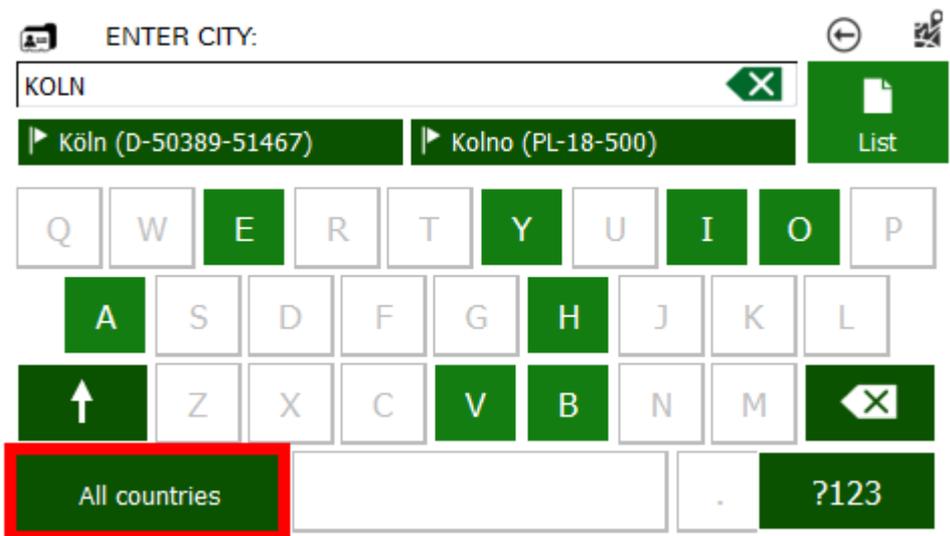


3.1 Address

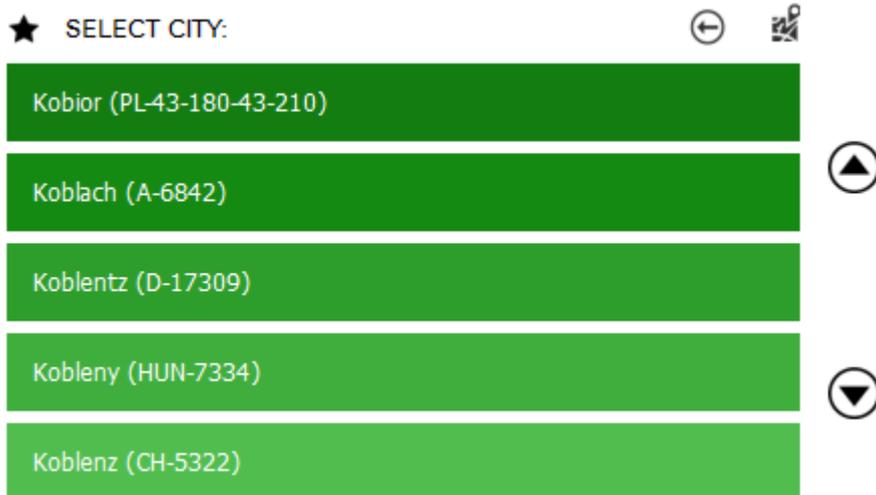
With the Address Button you get to the address destination input window.

Enter the city name with the screen keyboard. Possible matches are presented to you on the list. If the searched city is displayed in list you can click directly on the list to select your city. You can open the whole list by clicking on the list icon to the right.

Depending on the version of your software and depending on the map material you may see the pre-select for the country at the left above. The last settings will be saved. If you select "All Countries", you can enter places without knowing the country. This is helpful in border areas sometimes.



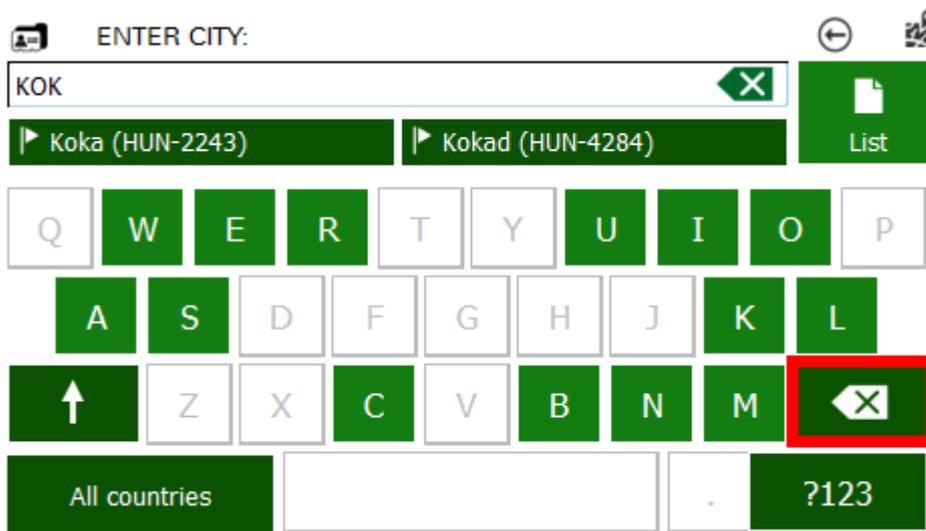
To open the list of possible cities, streets or house numbers, please click on the List Button on the upper right.



The previously entered letters are displayed in the top row of the screen. While you tap some letters may be hidden on the keyboard.

You do not need to enter „umlauts“. In place of an „Ä“ simply enter „A“, instead of „Ö“ enter „O“, instead of „Ü“ enter „U“. For example, if your destination is located in „Köln,“ Germany, just enter „K O L N“.

You do not need to enter spaces and hyphens. Instead, simply click the empty field to the left of the white triangle (at the bottom, third button from the right).

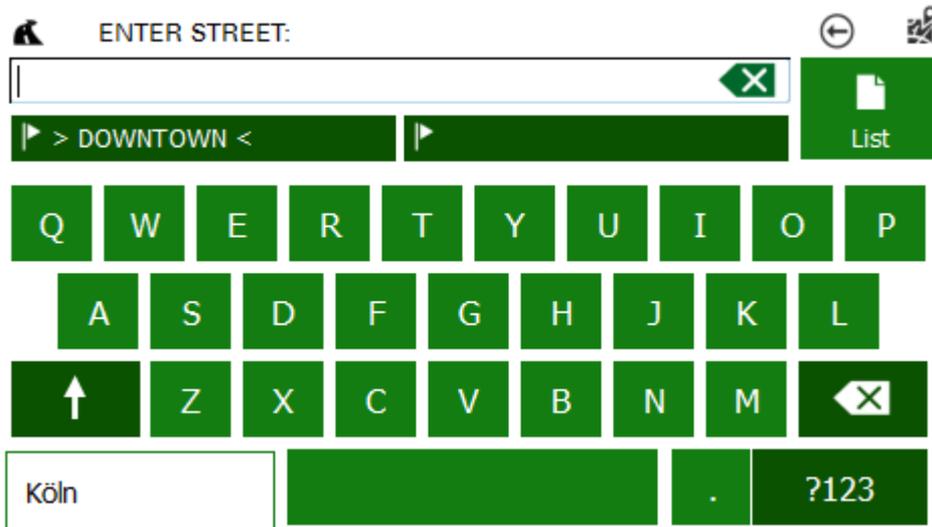


If you make a mistake, click the backspace key to delete the wrong entry.

After selection of the cities you will see the road selection.

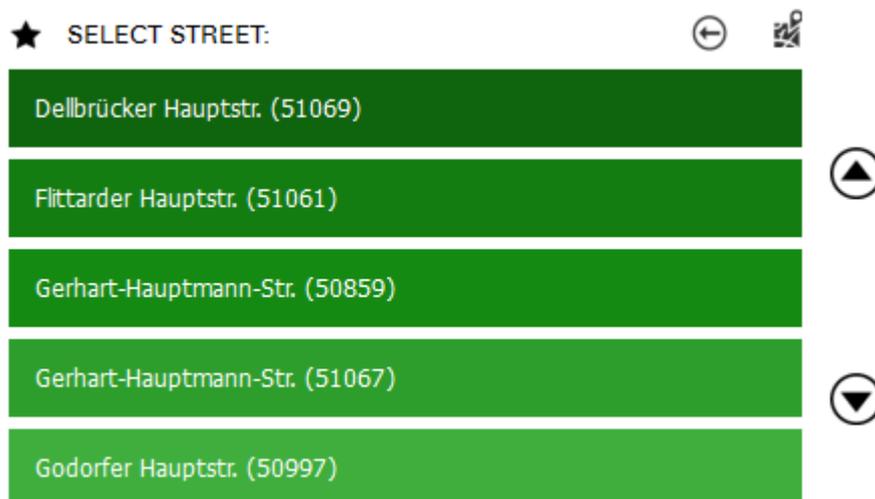
The street name will be entered as in the city input window.

Alternatively you can also choose "DOWNTOWN" if you want to drive into the center of the city.



In large cities it is possible that streets with the same name exist in different districts.

In this case, choose the desired destination based on the zip code or the district indicated in the list.



Now you can enter the house number. If the house number in the database should not be present, your navigation software suggests an alternative in the vicinity. If you do not know the house number, you can right click on "No house number." Your navigation system will then guide you to the center of the chosen road. Use "back" at the upper left to return back to street search.

ENTER HOUSE NO.:

← ↗

✕

No house number | ▶

List

1 2 3 4 5 6 7 8 9 0

@ " € \$ () Ä Ö Ü

↑ ß ! ? / ; : - ✕

Roteichenweg , ABC

3.2 Favorites

Favorites are frequently used addresses you can store in a list. This facilitates quick access to these destinations.

When you start up the system for the first time, the favorites list is empty.

You can add addresses, pois and coordinates.

★ SELECT FAVORITE ← ↗

Dr Med Helmut Schotten.Dr.Joachim Maurer >>

Gemeinschaftspraxis

Köln Im Meisengrund 12 >> ▲

▼

★ ADD NEW FAVORITE

By clicking on one of the arrows on the right you get the details of it:



You have the following options:

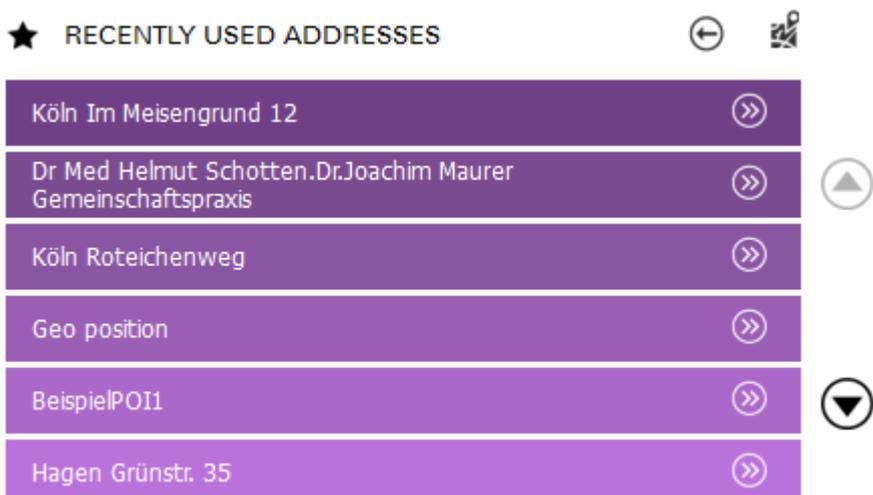
- Click on the name to start a route to the destination you chose
- Use the "Map" button to display the destination on the map
- Use the stylus to edit the name
- Use the trash to delete the favorite

Use "Add new favorite" to create new favorite.

3.3 Recent

Under "Recent" you can find the latest targets approached.

This can be addresses, pois and coordinates.



You have the following options:

- Click on the name to start a route to the destination you chose
- Use the "Map" button to display the destination on the map
- Press the save icon to save the recent destination under favorites
- Use the trash to delete the recent destination

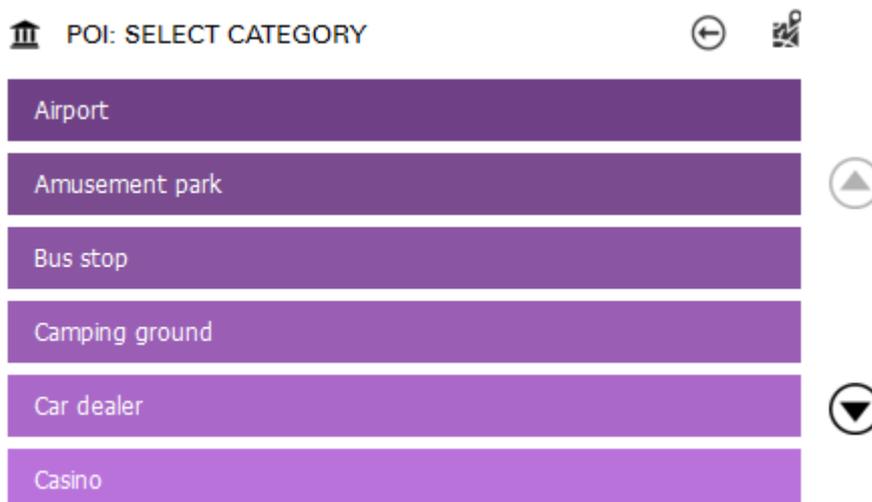
3.4 POI (Points of Interest)

POIs are special destinations like restaurants, gas stations, railway stations and so on.

You can input them on different ways. If no navigation is started, the buttons "POI near route" and "POI near destination" are hidden.



Please select a search method. After that, you can choose a category form the list. Please select a one of it.



Here you can see the category restaurants for example:



The POIs are sorted by distance (direct distance). When you click on an arrow behind a POI, you get the detail information:

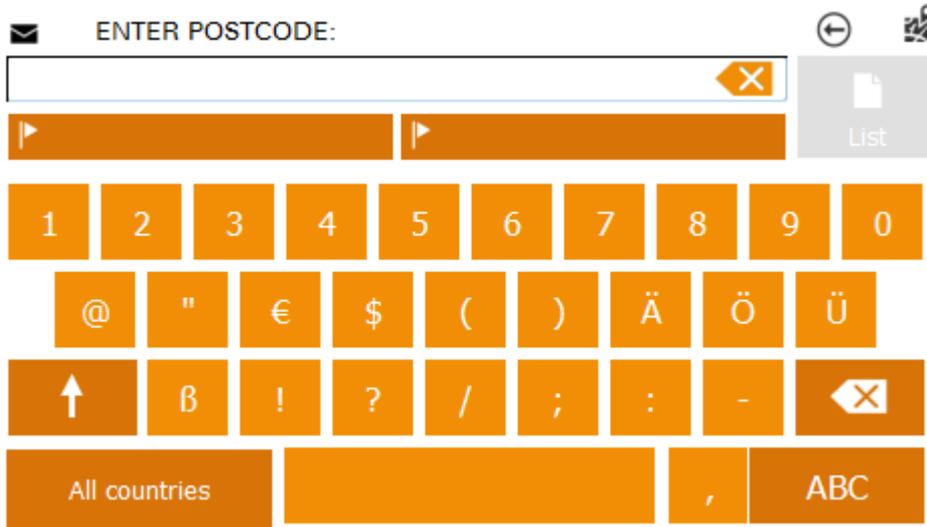


You have the following options:

- Click on the name to start a route to the POI you chose
- Use the "Map" button to display the POI on the map
- Press the save icon to save the POI under favorites

3.5 Zip-Code

With this function you can enter zip codes for finding your destination.



The input is nearly the same like in the address input. By clicking on the list button on the upper right side, you will get the whole list too.

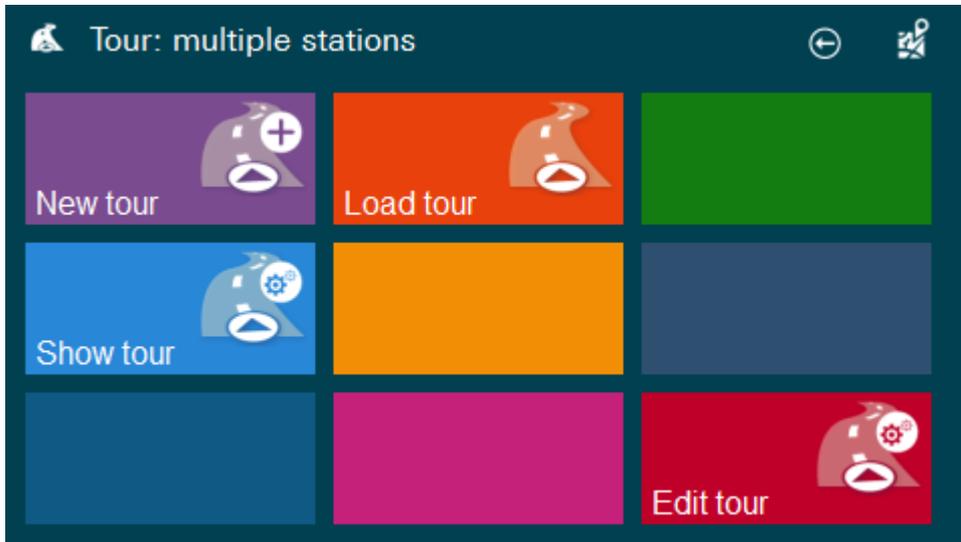


After choosing a zip code you will see the street and house number input dialog like in the address input.

3.6 Tour

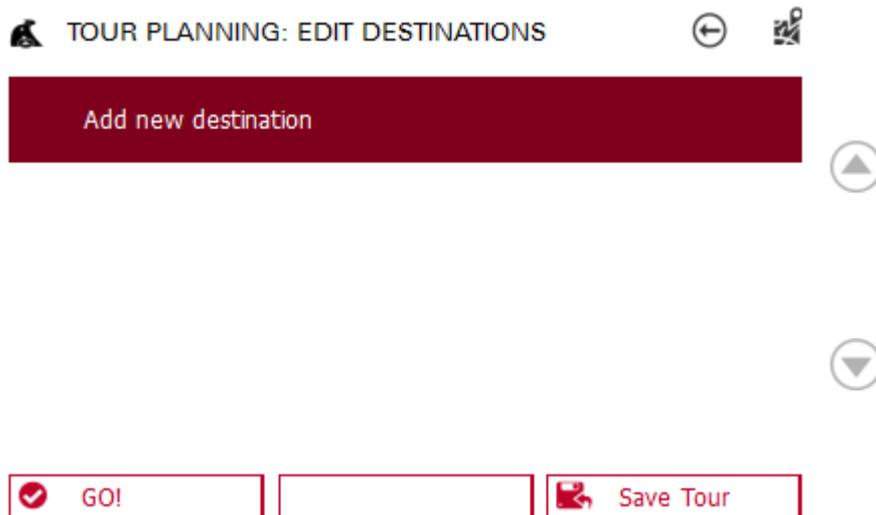
With the tour function you can define Itineraries and save them.

Depending on whether the navigation is active or not, some buttons are hidden.



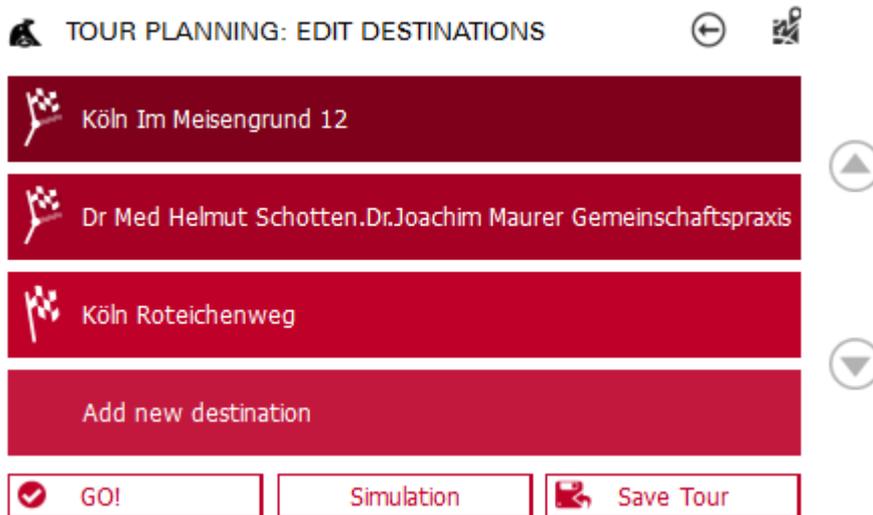
3.6.1 New Tour

With this function you can create a new tour.



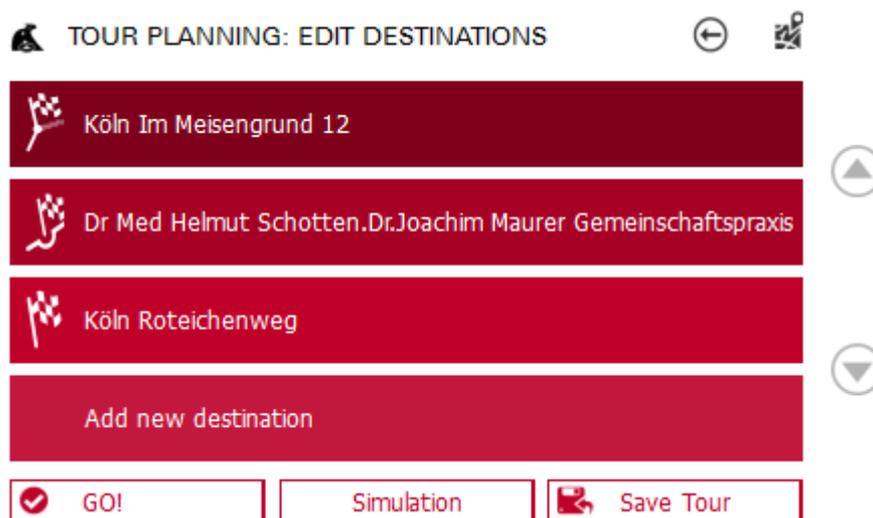
With the button „new destination“ you kann successively add different addresses, POIs or coordinates.

After entering some destinations, for example, the list looks like this:



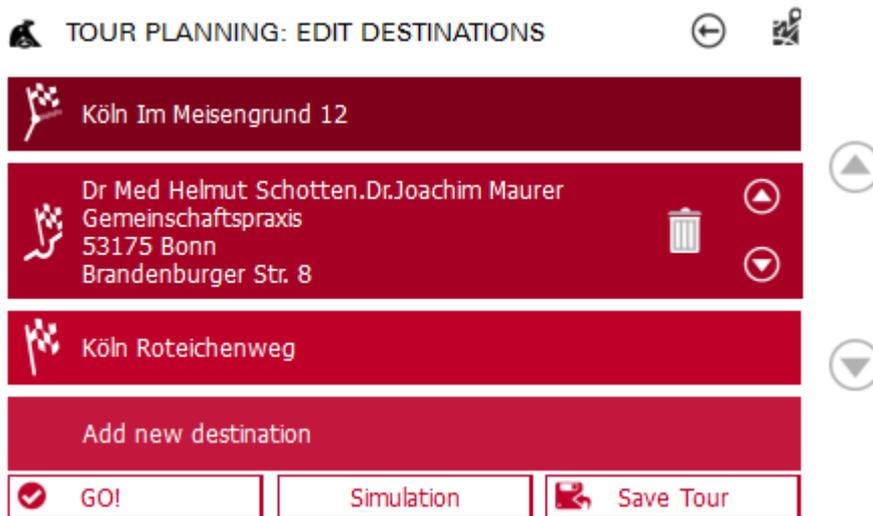
Each destinations can be marked as an intermediate destination or as a via point. To do this, click on the flag in front of it.

Here the "Doctor" is marked as a via point.



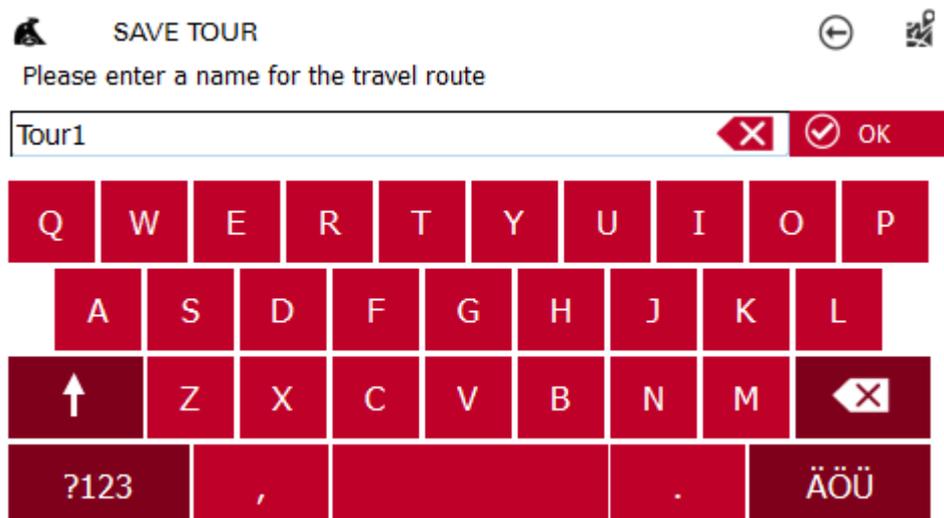
Via-points are destinations on which the route leads along, without informing the user about it. This is for example useful if you want to go from "location A" over "location B" to "location C" because it's a scenic route, but "location B" is not a particular destination.

When you select a location you can switch the order or delete it.

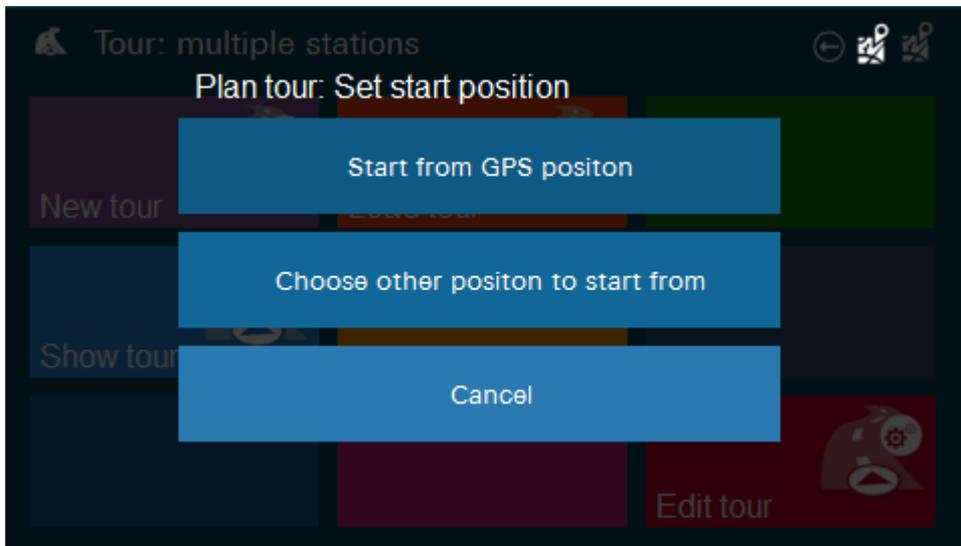


Click "GO" to start the route guidance to the first destination or via point. When you reach an intermediate destination, please confirm the route guidance to the next station. When you reach a via point, no message is issued.

Attention! If you click directly on "GO", the route will not be saved. Please make use of the " Save Tour" and enter a name for this tour.



With the „Simulation“ button you can simulate the Route in da Demo.



In this case, you need to define a start point to start the simulation.

3.6.2 Load Tour

If you saved a tour before, you can use "Load Tour" to call and use it again.

3.6.3 Edit Tour

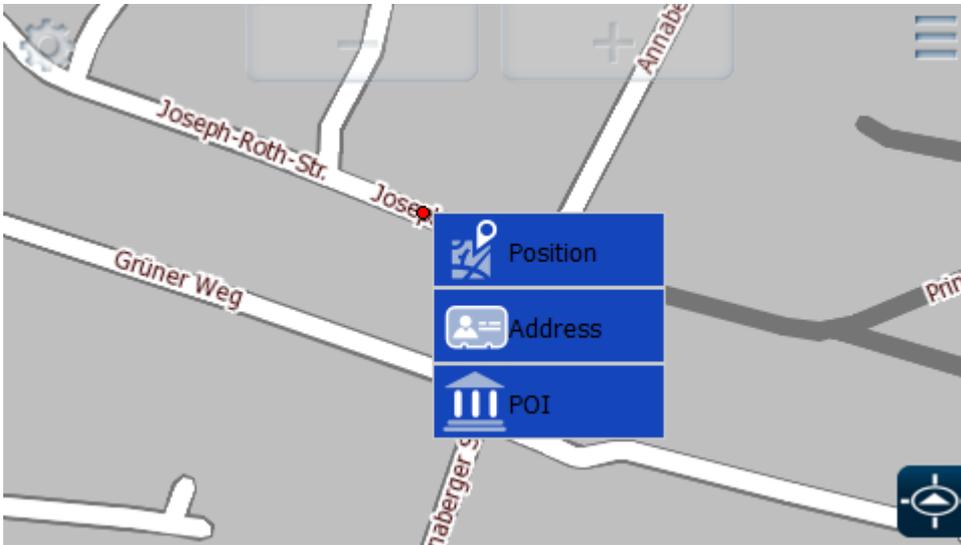
During navigation, you can edit and change the current tour.

3.6.4 Show Tour

During Navigation the current tour can be shown.

3.7 Map

With the map function you can choose a destination via map:



Like in the main window you have three several ways for choosing a destination:

- Take position directly
- Nearest Address Search
- POI take on the marked position

3.8 Coordinates

On the coordinate input, you can enter exact WGS 84 coordinates. These consist of W / O or N / S as well as a decimal number with 1-2 and 0-7 digits before the decimal point.

ENTER COORDINATES: ← 📍

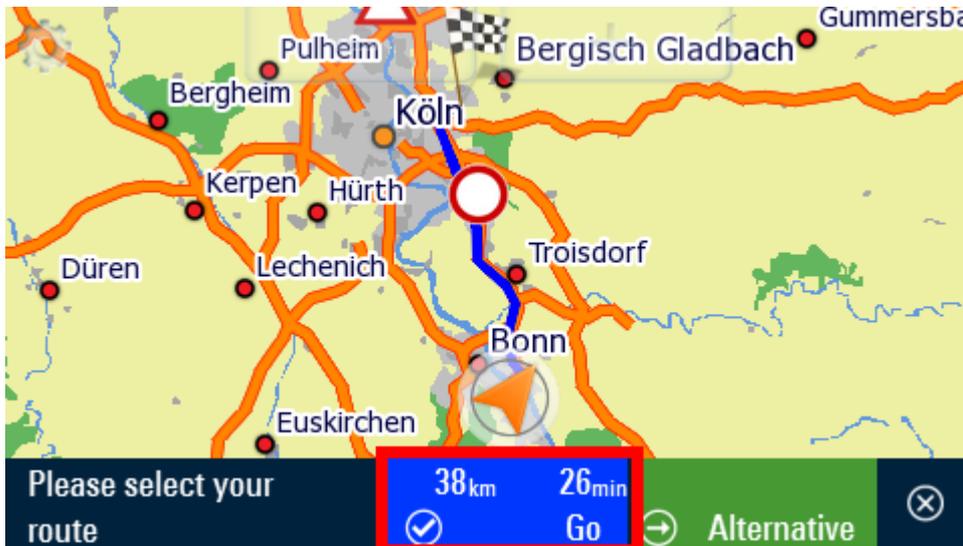
Latitude	<input type="button" value="N"/>	<input type="button" value="S"/>	<input type="text"/>	<input type="button" value="X"/>
Longitude	<input type="button" value="W"/>	<input type="button" value="E"/>	<input type="text"/>	<input type="button" value="X"/>

<input type="button" value="1"/>	<input type="button" value="2"/>	<input type="button" value="3"/>	<input type="button" value=""/>
<input type="button" value="4"/>	<input type="button" value="5"/>	<input type="button" value="6"/>	<input type="button" value=","/>
<input type="button" value="7"/>	<input type="button" value="8"/>	<input type="button" value="9"/>	<input type="button" value="0"/>

3.9 Route overview

After destination input you will see an overview over the route

Please commit the route on the Button in the below.

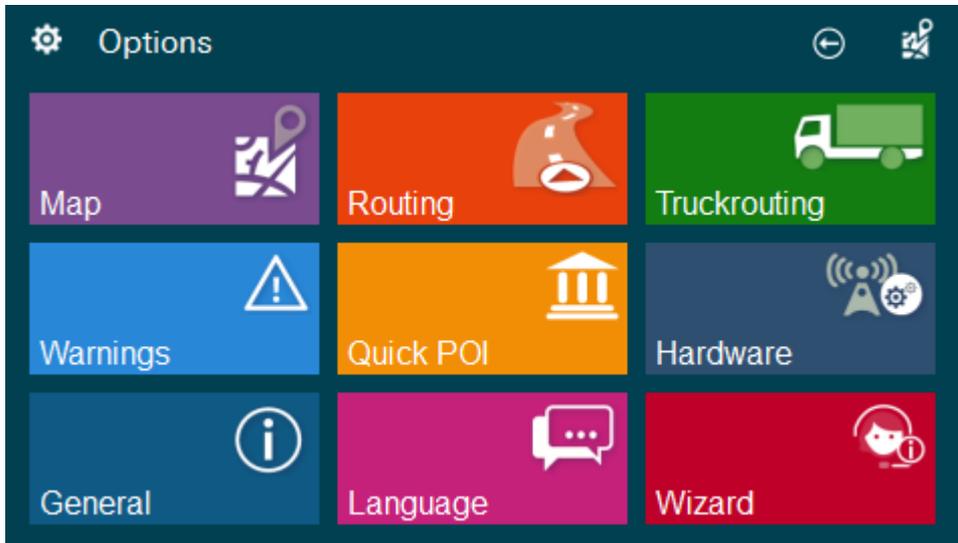


If you want you can calculate an alternative route. Just click on the alternative button on the below.

If no alternative was calculated the navigation starts automatically if you start driving.

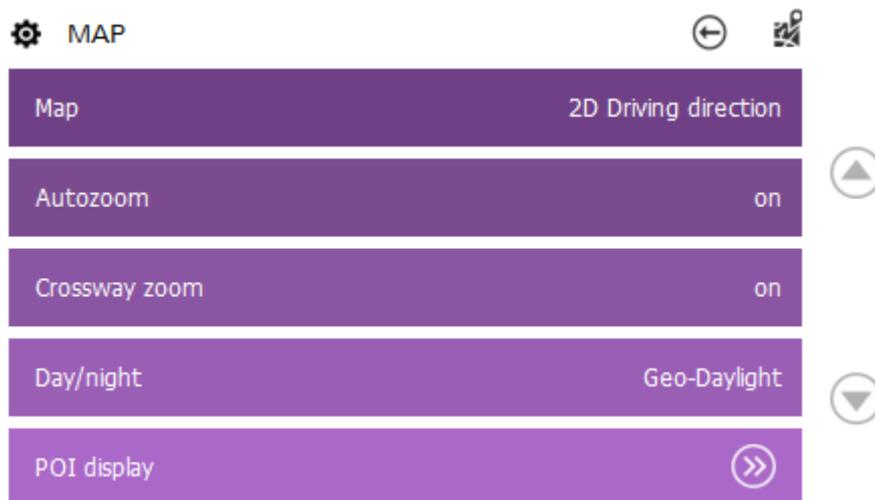
4 Options

In the options you have setting which are necessary for navigation.



4.1 Map

In this menu you find all settings regarding the map.



4.1.1 Map

The map can be used in 3 different views.

- 3D direction (The camera angle behind the vehicle position icon and the map is turned in the direction of the vehicle icon)
- 2D Northwards (map will remain pointing North)
- In the direction of 2D (map rotates in driving direction))

4.1.2 Autozoom

With this panel you can turn off the automatic zoom into the ma. When it is on, the map is automatically reduced at higher velocities, so the driver has a better view. As soon as the vehicle slows down again, the mapview is also increasing again.

4.1.3 Crossway zoom

With this panel you can switch the crossway zoom on and off. If it's switched on, the map zooms into the crossways where maneuver are included.

4.1.4 Day/Night

The day/night view can be changed in addition to the quick menu here:

There is a day view, a night view which is not blinding so much at night and there is the function Geo-Daylight. In this day and the night view automatically switches to the actual sun setting and rising. For this function the date, time and the GPS position will be considered correct. This function is much more accurate than for example a fixed switching at certain times.

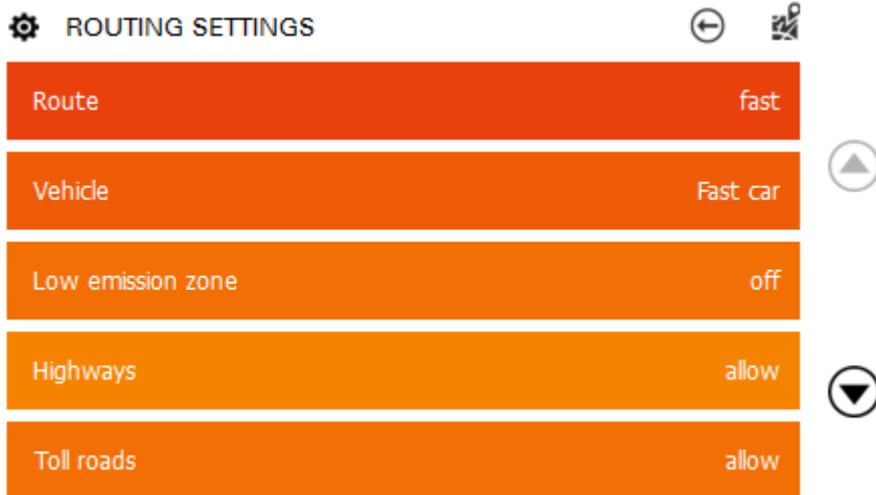
4.1.5 POI display

In the POI (Point of interest) display settings menu you can choose the pois with are displayed in map.

It is not recommended to display all POIs, because in metropolitan areas the mapviewer will show too much to get a good overview.

4.2 Routing

In this setting menu, all settings are made concerning the route:



4.2.1 Route

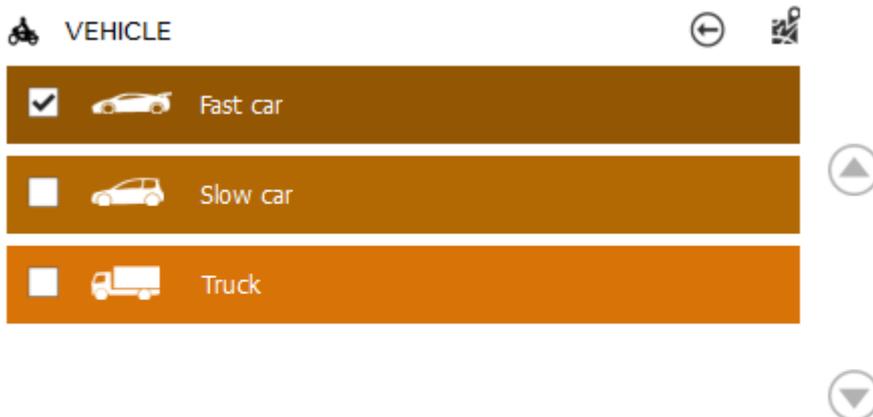
This setting determines by which criteria the route will be calculated.

- The fastest route is mostly on the existing highways and is the default.
- The shortest route is the shortest route from the path.
- The economic route is the route with the lowest expected fuel economy.

4.2.2 Vehicle

Here you can select a vehicle profile. This has an impact on the routes and the calculated travel and arrival times. Depending on model and equipment you will find different options.

Attention! The selection of the profile "truck" does not automatically switch on the truck routing options (see next section)!



4.2.3 Low emission zone

You can also select your Emission class. This may have an effect on the route calculation.



4.2.4 Highways

You can avoid highways, if you wish.

4.2.5 Toll roads

You can avoid toll roads, if you wish.

4.2.6 Ferries

Also ferries can be avoided, if you wish.

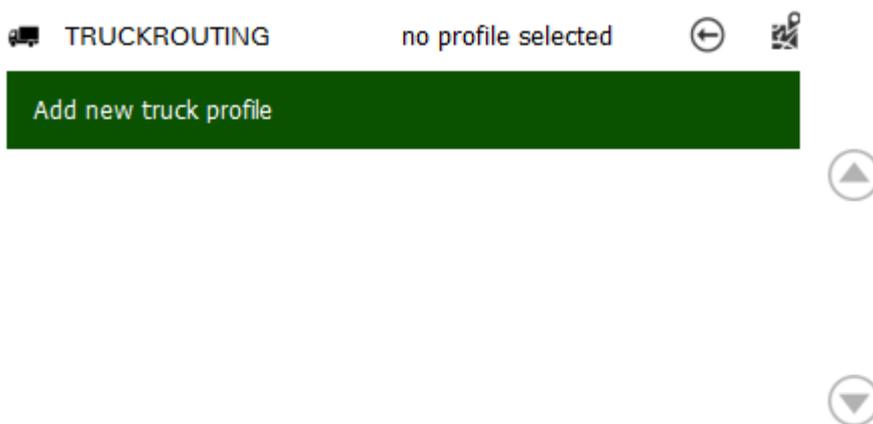
Attention: All these settings have an affect on the routes (roads into consideration) and the calculated travel and arrival times.

4.3 Truck Routing(available at Lkw-/Truck-Devices with appropriate equipment)

In this dialog you can enter the dimensions of your truck and hazardous load. These are used when calculating the route and during navigation.

Attention: Please note that not all roads recorded for truck restrictions, and that there is no guarantee for a complete or error-free recording. Therefore, the signs on the road always take precedence over the details of your navigation system.

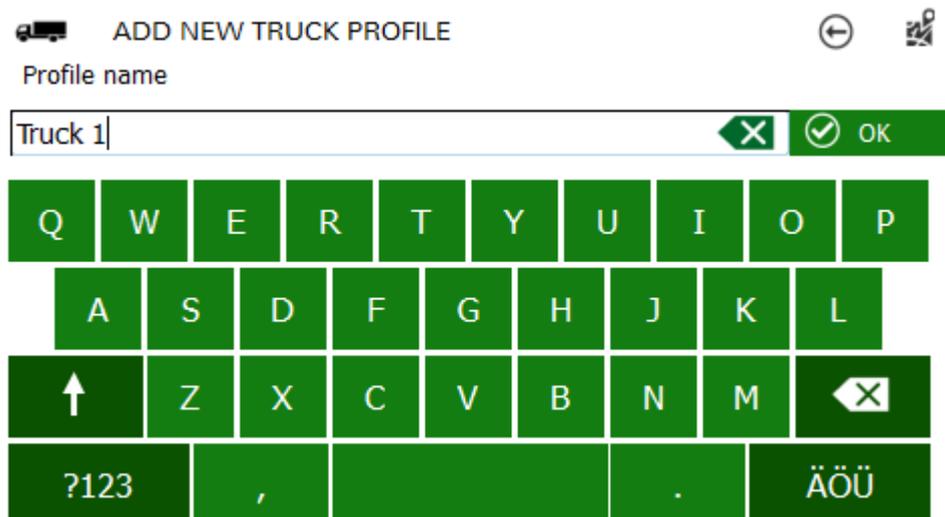
You get an overview of the state of the recording truck restrictions at the time of purchase. Please refer to this overview for more information on state specific data on your system.



You can create and use multiple profiles. This is useful if this navigation system is used in different vehicles or if the load varies for example.

To define a profile, click on "Add new truck profile" please. Now you can specify a name for the profile, eg "Actros green" or the license plate "H - XX 123"

Please note that after you created the profile it isn't activated. Which profile is currently active, you can see above.



After entering the profile name, you get to the screen for entering the dimensions.

VEHICLE PROFILE TRUCK 1

Width	2.5 m
Height	3.6 m
Weight	25.0 t
Length	16.5 m
Axlenumber	5

Please enter the dimensions.

Bellow you find the settings for the Hazardous goods.

VEHICLE PROFILE TRUCK 1

Hazardous Goods

Weight	25.0 t
Length	16.5 m
Axlenumber	5
Axleweight	0.0 t
Hazardous Goods	off

Hazardous Goods

Explosive materials

Goods harmful to water

OK

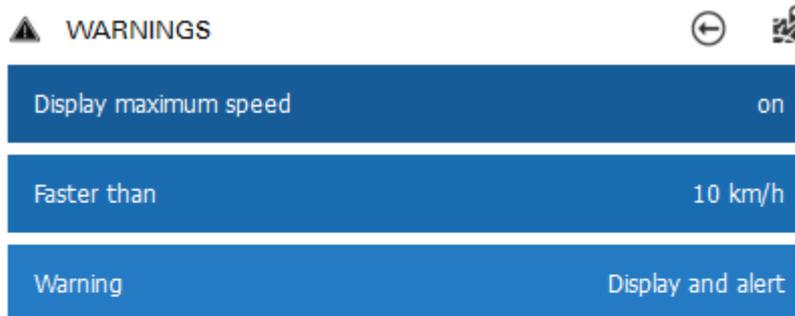
The map shows the truck restrictions in two ways: Firstly, road sections with truck restrictions are drawn with a pink border. On the other hand, the road signs with the actual values are shown. Please note that not all the signs in each map can be displayed simultaneously. The presentation is to scale-dependent, meaning that above a certain speed the truck restrictions can't be displayed. Of course, they still continue to be taken into route calculation.

Attention: Please note that not in all countries truck restrictions are covered and that there is no guarantee of a complete or error-free recording of all road classes. Therefore, the signs on the road always take precedence over the details

of your navigation system.

4.4 Warnings

In the warning settings you can set the settings for the speed and speed cam warnings.

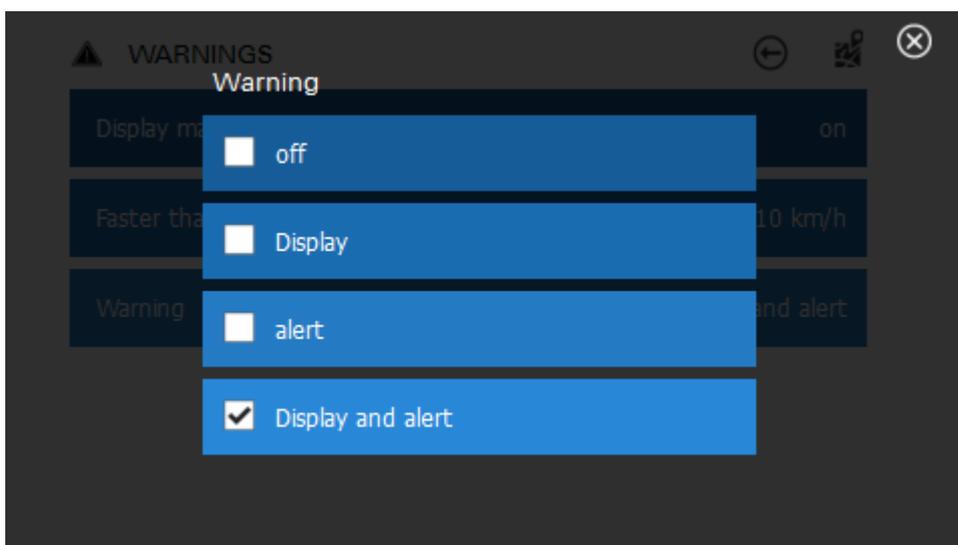


The option „display maximum allowed speed“ switch on the speed signs in navigation.

ATTENTION: Please note that not in all countries speed restrictions are covered and that there is no guarantee of a complete or error-free recording of all road classes. The signs on the road always take precedence over the details of your navigation system.

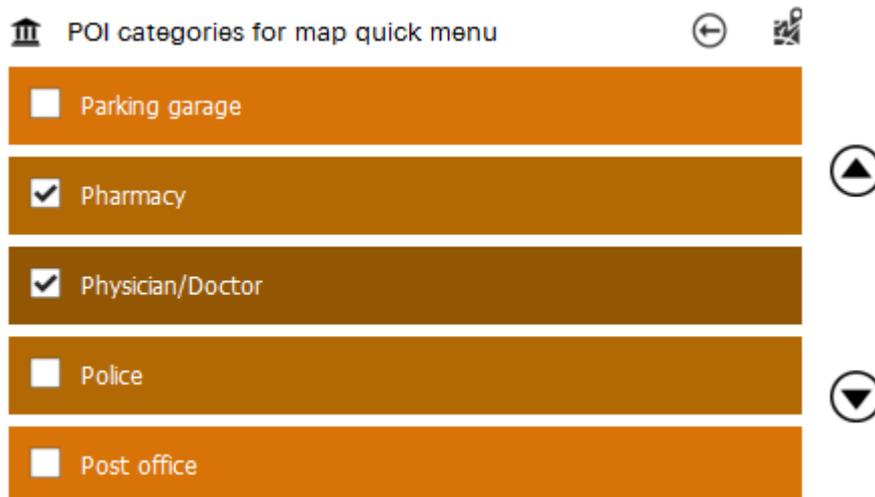
The "faster then " function is the allowed rate of over the allowed speed till it warns.

The alerts can be switched on or off as follows:

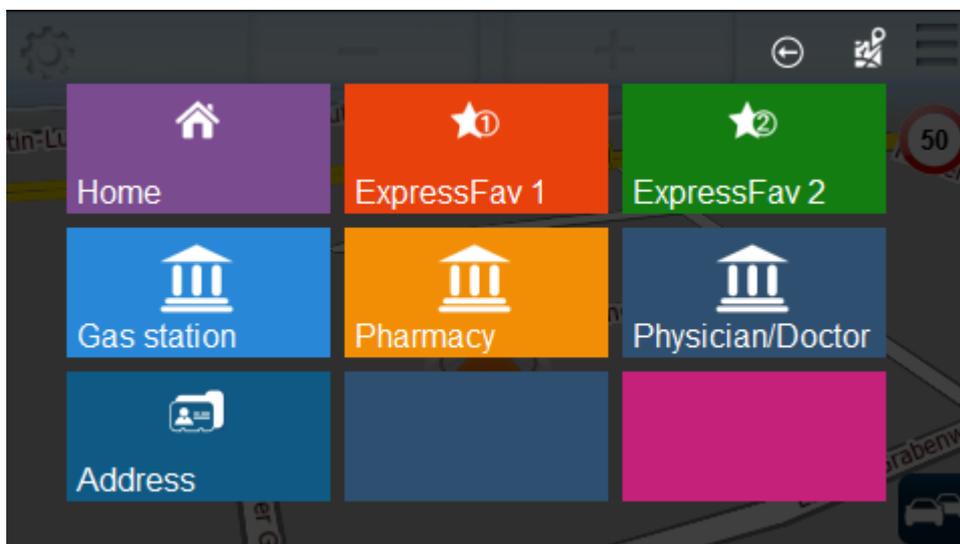


4.5 Quick-POI

In the Quick POI menu, the selected POIs which can later be selected in the Quick Menu.

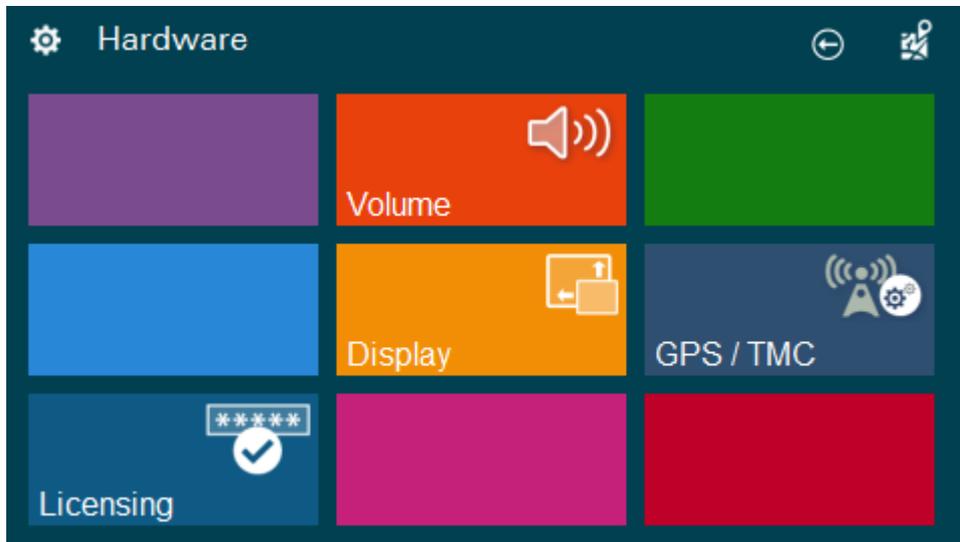


The two selected POI from the POI Quick Setup menu are displayed in the Quick Menu. You can select a maximum of 3 Quick-POI categories. In the following example, 3 categories (Gas station, pharmacies and physicians) are selected.



4.6 Hardware

In the Hardware settings menu you can configure all hardware settings:



4.6.1 Volume

Here you can change the volume.

4.6.2 Display

In this menu you can choose your display size if necessary.

4.6.3 GPS/TMC

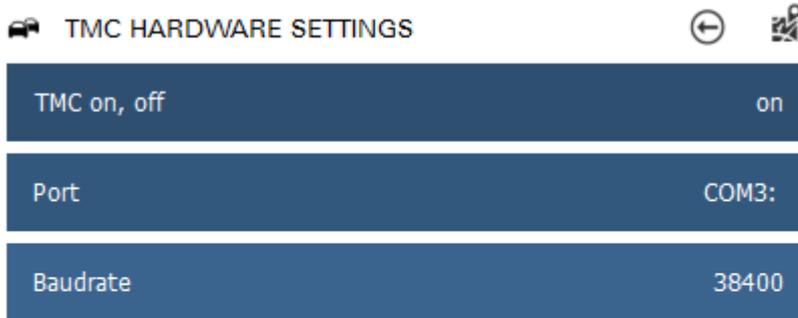
Please note: The values for GPS and TMC (if your system has TMC) are already set correctly for your system and should not be changed! Other settings may cause malfunction or failure of the system or parts of it!



The GPS can be set either manually by clicking on the Com port and baud rate, or simply search by clicking on the Button in the bottom right.



The TMC setting can only be done manually. The setting of the port and baud rate works just like the GPS settings dialog.

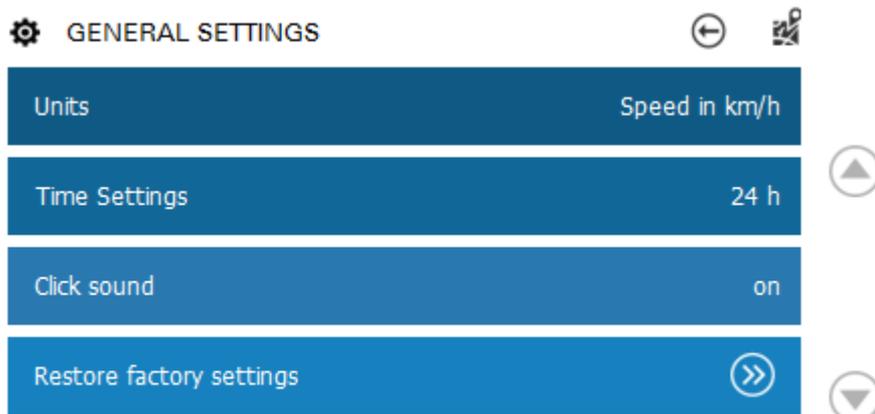


4.6.4 Licensing

Here you can license some extra features or switch licences.

4.7 General

In this dialogue you can find the general settings:



The units setting is for setting the speed from km / h to mph:

The time setting is used to switch from 12 - (AM / PM) on the 24-hour format:

You can also switch the click sounds on and off.

Use the "Restore Factory Settings" to reset all settings. This can be helpful if the navigation system was used by another user or you have forgotten which settings were changed.

4.8 Language / Text-To-Speech

In the language dialogue you can choose between different languages. The voice and the language changed will be changed. The languages in the system menu of the hardware (see Hardware Manual) is not affected.

The software must be restarted after this adjustment to take effect.

Languages with the addition of "TTS" or "with street announcements" contain text-to-speech data. With these data, for example street names are not only displayed but also read out. This makes navigation easier, because you can look at the left turn maneuver on the roadway.



4.9 Configuration Wizard

Here you can run the configuration wizard, which appears when you first start the navigation software again if necessary.

He will guide you through the language, the general settings, routing settings, and help you to create a home address.

B Urhebervermerk

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