

SONY®

Personal Navigation System

User's Manual

nav-u

*NV-U70
NV-U50T
NV-U50*

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Introduction

Topics covered in this chapter:

Search facilities and conventions	page 4
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Search facilities and conventions

Find information quickly

This manual offers the following search facilities:

- ⇔ In the footnote at the bottom of the page, you may check which chapter and which section you are actually reading.
- ⇔ A glossary at the end of the manual contains explanations on the technical terms used in this manual.
- ⇔ An index at the end of the manual allows precise search for the information contained in this manual.

Conventions

This manual uses different font styles and symbols to highlight important paragraphs and to ease its use.

Font	Use
bold	Buttons, icons, names of entry fields, and elements of the software's user interface. Also used for highlighting warnings and notices.
<i>bold italic</i>	Registered names and trademarks.
SMALL CAPITALS	Window and dialogue box titles.
Symbol	Use
	Indicates hints and notes that may ease the use of the <i>Sony Personal Navigation System</i> .
	Indicates additional information.
	Warns against dangers that might cause damage to objects and persons.

Liability

Limitation of liability

The software and the manual are subject to change without notice. Sony may not be liable for the correctness of the information contained in this manual nor for damages resulting from the use of this manual.

To improve the quality of our products and our services, we appreciate all suggestions for improvement and all error notices.

Trademarks

Registered trademarks

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

The absence of an explicit labelling of registered trademarks does not allow the conclusion that this brand was not subject to the rights of third party.

⇔ Windows and ActiveSync are registered trademarks of the Microsoft Corporation.

Operating the navigation software

Topics covered in this chapter:

Managing languages and maps	page 8
Hardware keys	page 8
Software keyboard	page 8
Character keyboard	
Mobile phone keyboard	
Lists	page 12
Command buttons	page 16
Information	page 16
Energy	
GPS-Status	
Traffic reports	

Managing languages and maps

Installer tool

The enclosed software DVD includes an **Installer tool**. You use this to ascertain which languages and maps will be available on your navigation device.

If you have purchased a version of the **Sony Personal Navigation System** that doesn't have any maps on DVD, then you can use this tool to create a back-up copy of the map on the navigation device.

1. Use ActiveSync® to connect the navigation device with your computer and insert the DVD.

The **Installer tool** starts automatically.

2. Then follow the instructions on the computer screen.

Hardware keys

Hardware keys

Two hardware keys are located at the top of the device:

Right:

Switches the device on and off.

On / off switch

Left:

Standard map view

During a navigation:

repeats the last drive instruction. It shows the speed information if this has been hidden.

Otherwise:

The standard map view opens and shows your current position.

Software keyboard

Survey

A software keyboard appears on the screen when text entries are necessary. Choose the character keyboard or the mobile phone keyboard.

You can use the buttons to toggle between the keyboards.

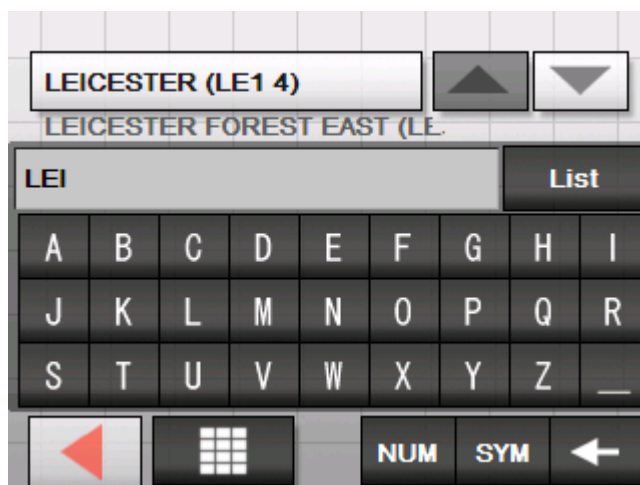


Tap this button to toggle to the mobile keyboard.



Tap this button to toggle to the character keyboard.

Character keyboard



You may carry out all entries with your finger on the character keyboard. But you may enter capital letters only.

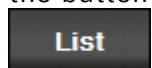
You need not enter small letters or special characters when entering a destination's town or street name. The **Sony Personal Navigation System** replaces these characters automatically. When you are looking for, e.g., a French town called "Héroïnès", simply type "HEROINES".

Your entry appears in the field directly above the keyboard. You can see the first data record that starts with the characters of your entry.

The data record on the button is part of a list of data records that corresponds to all your previous entries. You can scroll through this list using the buttons



You can display more than three data records at once by tapping the button



*Entering a space,
deleting a
character...*

You can discover more about using the **List** icon by referring to chapter "Lists" on page 12.

Tap the  icon to enter a space character.

Tap the  icon to delete the character at the left of the cursor.

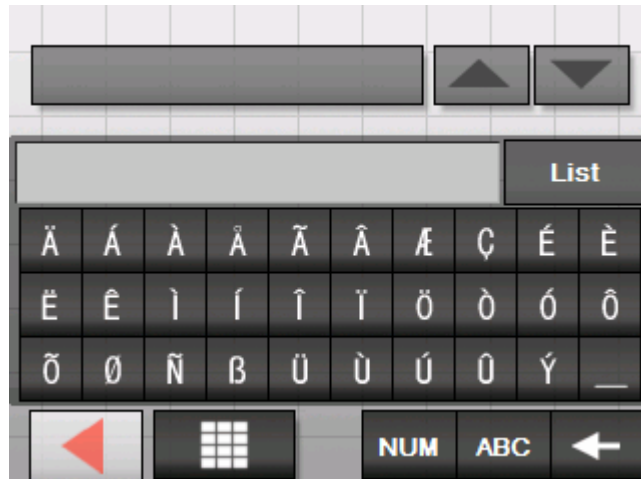
Switching between character and number entry...

Tap the  icon to enter numbers, e.g. for a postcode.

Tap the  icon to return to the character entry mode.

Special characters

Tap the  icon to enter a special character.
The special characters keyboard appears.



Tap the  icon to return to the character entry mode.

You need not enter special characters when entering a destination's town or street name but they may be helpful for entering names for saved destinations and itineraries.

Mobile phone keyboard



You may carry out all entries with your finger on the mobile phone keyboard. But you may enter capital letters only.

As on a mobile phone, each key is designed to enter several letters with it. The position of a letter on a key caption indicates how often you must tap this key to enter the respective letter. E.g., to enter an "S", tap the "PQRS" key four times.

You need not enter small letters or special characters when entering a destination's town or street name. The **Sony Personal Navigation System** replaces these characters automatically. When you are looking for, e.g., a French town called "Héroïnès", simply type "HEROINES".

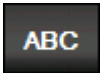
*Entering a space,
deleting a
character...*

Tap the  icon to enter a space character.

Tap the  icon to delete the character at the left of the cursor.

*Switching between
character and
number entry...*

Tap the  icon to enter numbers, e.g. for a postcode.

Tap the  icon to return to the character entry mode.

Special characters

Tap the  icon to enter a special character.

The special characters keyboard appears.



Tap the  icon to return to the character entry mode.

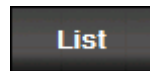
You need not enter special characters when entering a destination's town or street name but they may be helpful for entering names for saved destinations and itineraries.

Lists

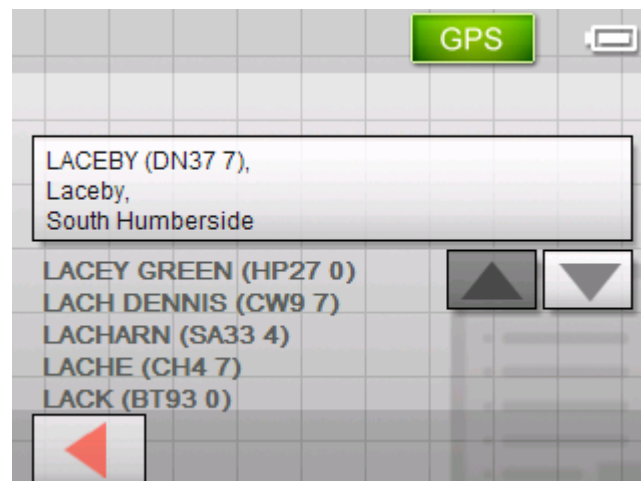
Survey

There are many cases where you have to select an entry from a list.

For example, if you have not entered the full name of a location. Each time you enter a character the first found entry that starts with the characters entered so far appears in the text field.



A maximum of three entries can be displayed above the keyboard. To view a longer list of suitable entries, tap the **List** icon.

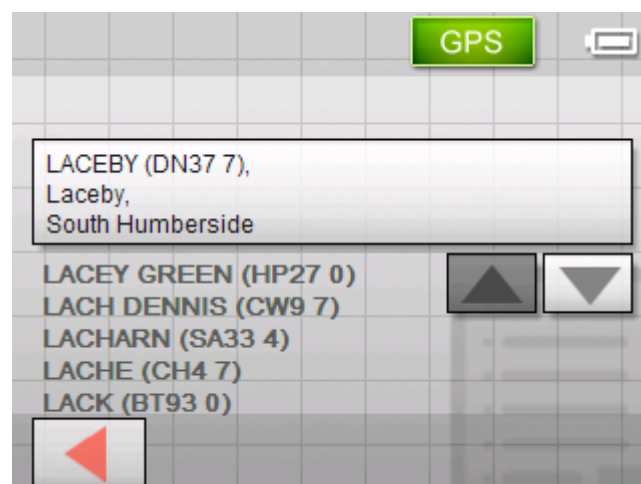


At the end of the list you will find entries that include the characters entered so far, but these characters appear in the middle or the end of the word.

Marked list entry

An entry in the list is always marked and shown on a button. Additional information is often displayed in extra lines. In the case of towns, this information would include the postcode and the district associated with the town in question.

The marked entry can be chosen by tapping its button.



Buttons

The lists screens have three buttons located on the right and lower edge of the screen:

Up: Tap this icon to scroll the list one item up.

Down: Tap this icon to scroll the list one item down.

Back: Tap this icon to return to the entry screen without selecting a listed element.

Example

Search for BICKNOR.

1. In the **MENU** tap **New destination**.

The **NEW DESTINATION** screen opens.

2. Tap **Navigation**.

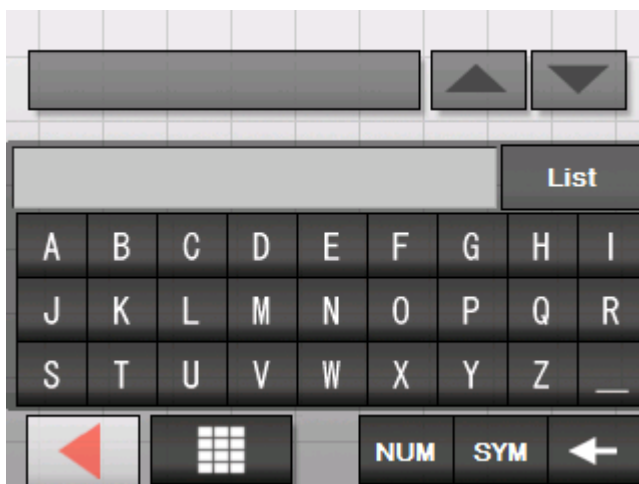
The **NAVIGATION** screen opens.

3. Tap **Address**.

The **ADDRESS** screen opens.

4. Tap the **Town or Postcode** entry field.

The software keyboard appears.

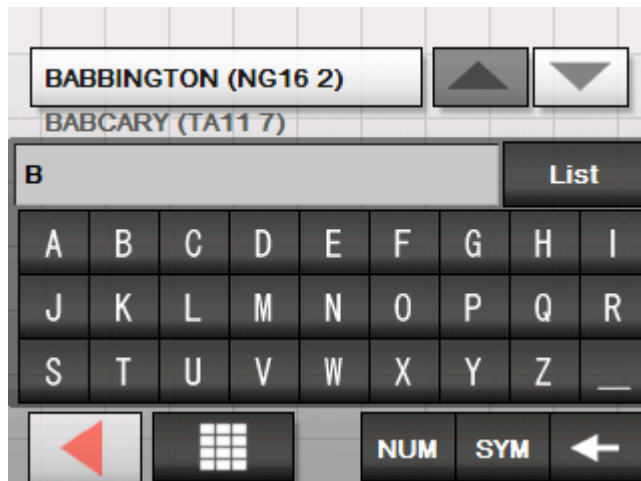


5. Enter the letter B.

The letter B appears in the input line above the character keys.

Above it, a button shows the first town in the database to start with the letter B.

The second town to start with the letter B is displayed underneath the button.



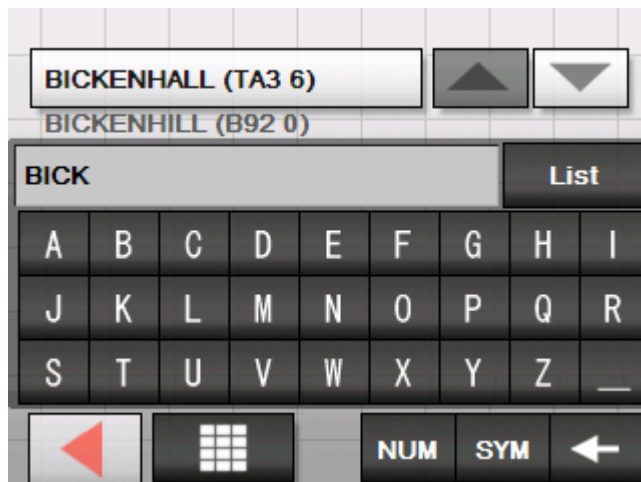
You can move through the list using the buttons **Up** and **Down**. However, you will always see a maximum of 3 elements from the list.

6. Enter the letters ICK.

BICK is now displayed in the input line.

Above this a button shows the first town in the database that starts with BICK.

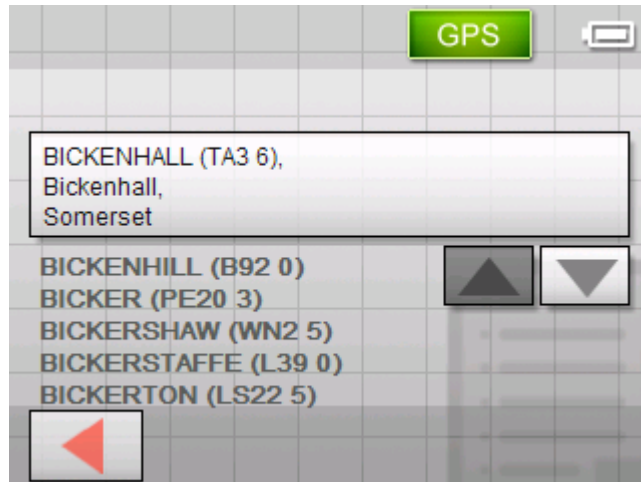
The second town starting with BICK is shown underneath the button.



List

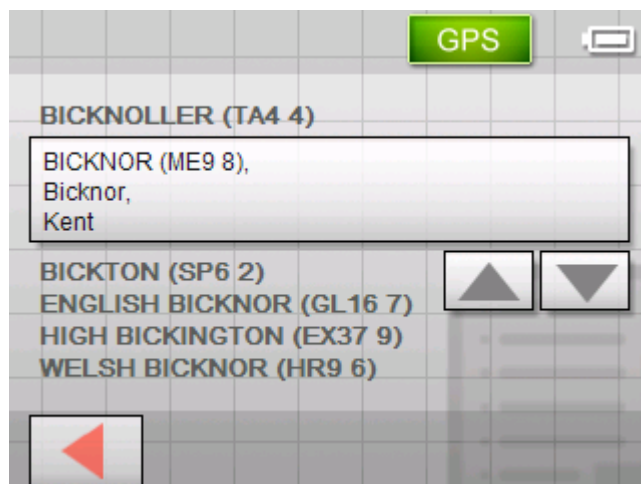
7. Tap on the **List** icon.

A list of all the towns that start with BICK is displayed. The town on the button is marked.



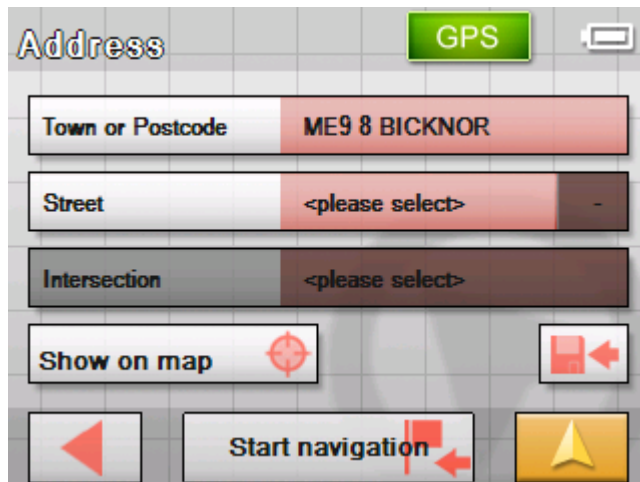
The end of the list gives all the towns that include BICK in their names.

8. Tap the **Down** button until BICKNOR appears on the icon.



9. Tap on BICKNOR.

The **ADDRESS** screen opens. BICKNOR is entered in the **Town or Postcode** field.



Command buttons

Icons

Most of the **Sony Personal Navigation System** screens have the following buttons:



Return

Tap this icon to return to the previous screen.

You can use this icon to stop navigation.



Map view

Tap on this button to return to the standard map view. From there you can open the **MENU** by tapping on any point in the map.

Information

Survey

On virtually all the **Sony Personal Navigation System** screens you will find the **GPS** and **TMC** buttons. You can use these to display the current GPS status and the current traffic information at any time.

Energy

The **Energy** icon is placed at the bottom right corner of the screen. The colour of the icon and the symbol displayed on it have the following significance:

Colour / Symbol	Significance
	The device is connected to an external power supply. The battery is being charged.
	The charge state of the battery is sufficient. The size of the segment on the battery indicates its charge state (3/3 or 2/3).
	The device is being supplied by its internal battery. The charge state of the battery is weak. The size of the segment on the battery indicates its charge state (0 or 1/3). A message window informs you when the charge state of the battery becomes insufficient.

GPS-Status

The **GPS STATUS** window includes information about your current location and your current speed. You can also save your current location.

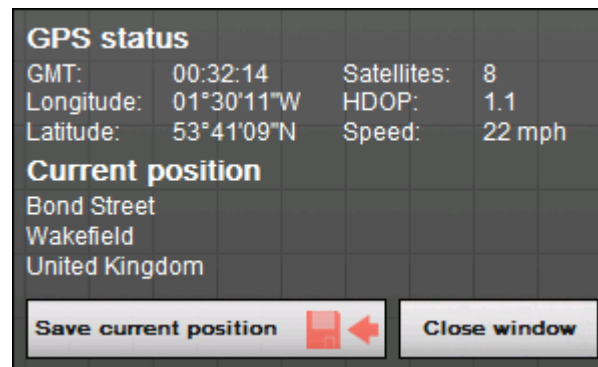
The **GPS** button is located on the right half of the upper edge of the screen. The different GPS-icons have the following significance:

Symbol	Significance
 No signal	No signal or only an insufficient GPS signal is being received. This is the case, e.g. if you are located in an enclosed building.
 GPS ready	The signals are convenient. Navigation may begin.

GPS

Tap on the **GPS** button.

The **GPS STATUS** window opens:



Entry	Significance
GMT	Greenwich Mean Time Time of London ignoring daylight saving time.
Longitude / Latitude	Current position: Indication of east longitude and north latitude.
Satellites	Number of received satellites. At least three satellites must be received for navigation purposes.
HDOP	Horizontal Dilution of Precision: Indicates the quality of position determination. Theoretically any value from 0 to 50 may occur. The smaller the value, the more accurate is the position determination (value 0 = no deviation from the real position). Values up to 8 are convenient for navigation purposes.
Speed	Indicates your current speed.
Position	Indicates the address of your current position.
Save	Tap on this button to save the current location in FAVOURITES .
Quit	Tap this button to quit the GPS screen.

Traffic reports

TMC cradle

If your navigation device is being used in a TMC cradle, the system can access current traffic reports and can, if necessary, dynamically change the route in order, for example, to avoid a traffic jam. You can show the current valid traffic reports.



Note: compared to the standard cradle, the TMC cradle includes a module to receive TMC messages. You can recognize the TMC module from the TMC lettering on the left.

When the device is not being used in a TMC cradle, the **TMC** button is not shown.

The **TMC** button is located in the centre of the upper edge of the screen. The different TMC-icons have the following significance:

Symbol	Significance
No Symbol	The navigation device is not used in a TMC cradle.
 Searching for broadcast station	The TMC-receiver is ready but cannot receive TMC signals. This is the case when, e.g., you are in an area where TMC is not available.
 TMC ready	TMC signals are being received.



TMC

Tap this icon to display TMC information.



For details on the TMC functionality, please refer to "TMC", page 80.

Navigation

Topics covered in this chapter:

Starting the Sony Personal Navigation System Menu	page 22
Basic settings	page 25
Indicating a destination	page 28
Specifying the country of your destination	
Entering an address	
Selecting a point of interest	
Indicating destinations on the map	
Favourites	
Recent destinations	
Navigating homewards	
Destination management	page 45
Saving a destination	
Renaming a destination	
Deleting a destination	
Indicating several destinations (Itinerary with stages)	page 47
Indicating route points	
Editing, saving and managing itineraries	
Calculating the route	
Displaying the itinerary on the map	
Simulating the route	
Starting navigation	page 59

Starting the Sony Personal Navigation System

Starting the navigation software...

1. Switch on the device (right key at the top of the navigation device).

The device displays a section of the map. If a GPS signal can already be evaluated, your current position will be shown on the map.



Note: on almost all the other screens you will find the



Map view button.

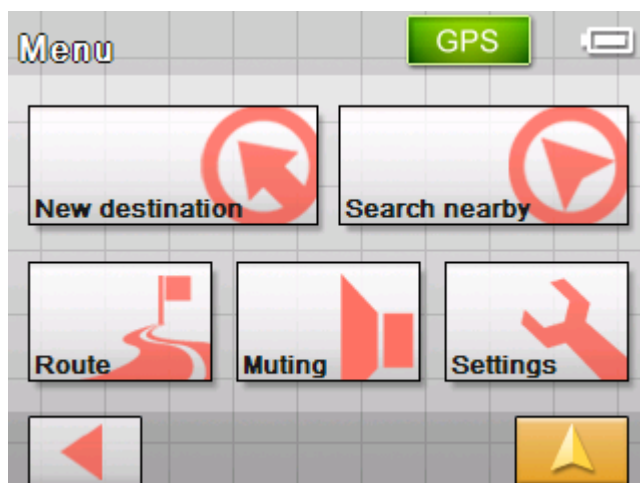
You use this button to quickly return to the standard map view.

2. Tap anywhere on the map to open the **MENU**.

Menu

The **MENU** opens:

Menu



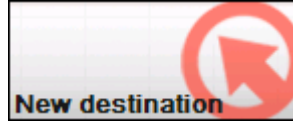
From the **MENU** you can access all the functions of the program.



Note: The **Sony Personal Navigation System** always opens with the screen that was active at the time you switched off the device.

New destination

Tap on the **New destination** button to enter a destination for the navigation, or plan a route.



Find out more about the navigation to a specific destination from section "Indicating a destination" on page 25.

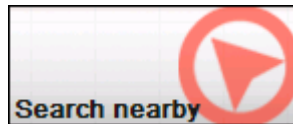


Find out more about navigation home from section "Navigating homewards" on page 44.

Find out more about route planning from section "Indicating several destinations (Itinerary with stages)" on page 47.

Vicinity search

Tap on the **Search nearby** button to search for a point of interest in the vicinity of your current position .



Refer to section "Point of interest nearby" on page 30.

Route

Tap on the **Route** button to process or simulate an already calculated route.



Find out more information about displaying the entire route from section "Indicating a destination" on page 25.

Find out more about blocking a route section whilst navigating from section "Blocking a route section" on page 76.



Find out more about simulating a route from section "Simulating the route" on page 57.

Find out more about skipping a stage point from section "Next destination" on page 75.

Find out more about route options from section "Routing options" on page 88.

Loudspeaker off

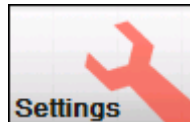
Tap the **Loudspeaker off** button to switch off the device's loudspeaker. You will no longer be able to hear drive instructions. The button appears pressed.



Tap this button again to switch the loudspeaker back on.

Settings

Tap the **Settings** button to modify the settings of the **Sony Personal Navigation System**.

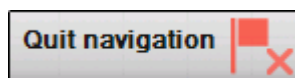


For details, please refer to "Settings", page 84.

Quit navigation

This button is only visible while you are navigating or while you are simulating a navigation.

Tap on the **Quit Navigation** button to cancel navigation (or a simulation).



GPS status

Tap on the **GPS** button to obtain information about the GPS positioning and about your current location.



For details, please refer to "TMC", page 80.

Traffic reports

Tap on the **TMC** button to obtain an overview of the current valid traffic reports that have been received by your device.



For details, please refer to "Working with the map", page 63.



Tap on the **Map view** button to open the standard map view.



The **Back** button in the **MENU** carries out the same function.

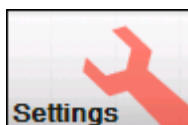
Basic settings

Basic settings

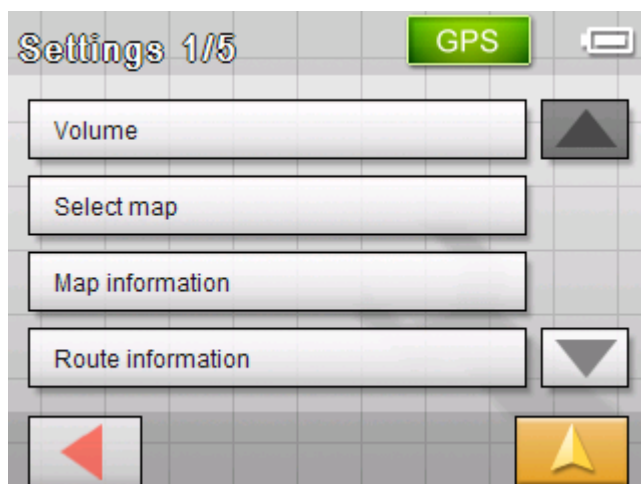
Before working with the **Sony Personal Navigation System**, we recommend

- ⇔ indicating the time zone of the region you are staying in currently so that the system can indicate correct times of arrival in navigation mode,
- ⇔ entering the home address. You may then navigate home from anywhere.

1. In the **MENU**, tap **Settings**.



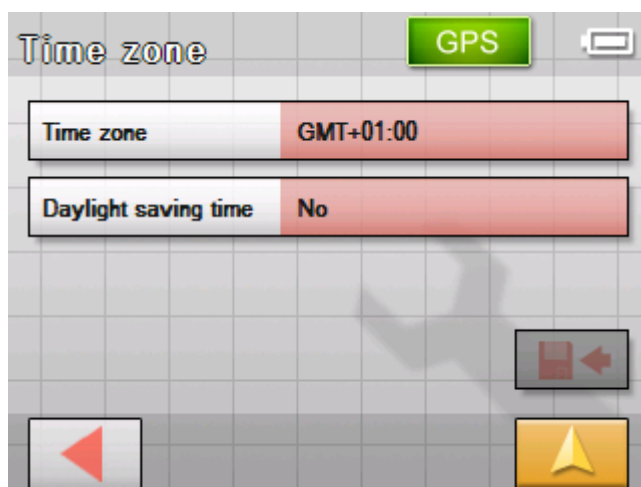
The **SETTINGS** screen opens.



Indicate the time zone...

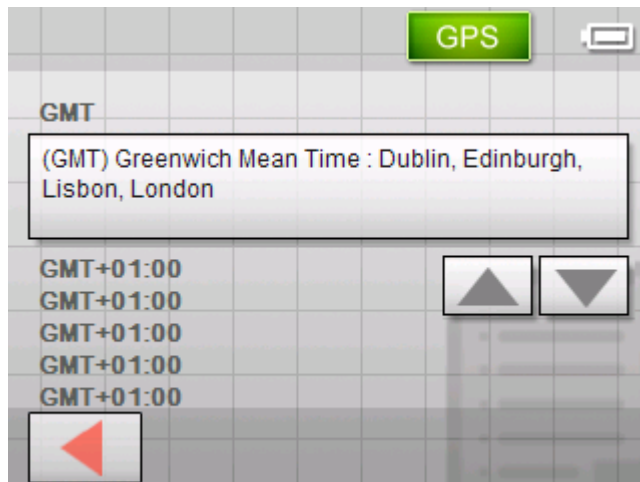
2. Tap the **Down** button until you see the screen page with the **Time zone** button. Then tap on **Time zone**.

The **TIME ZONE** screen opens.



3. Tap into the **Time zone** entry filed.

The **SELECT THE TIME ZONE** list opens.



4. Use the **Up** and **Down** buttons to select a valid time zone for your present location (GMT without summer time). The display of towns or states in the presently chosen zone makes it easier for you too choose.
5. Tap the selected time zone.

The time zone is then transferred to the **TIME ZONE** screen.

6. Tap on the **Summer time** field to toggle between summertime (yes) and wintertime (no).



Note: If there is a clock change or if you are travelling into another time zone, you will have to adjust the respective setting.



7. Tap **Save**.



8. Tap on **Back**.

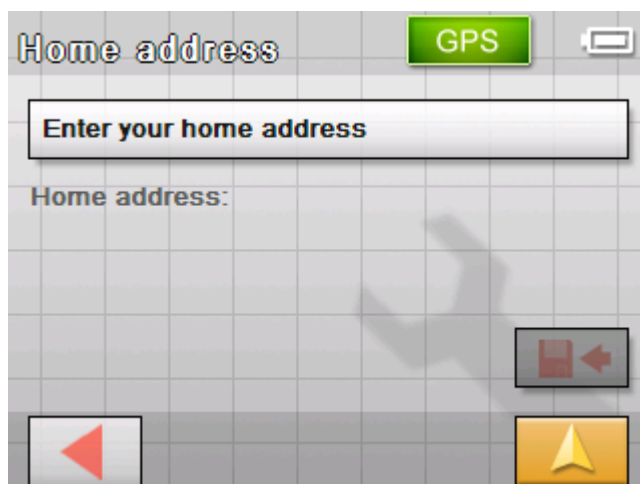
The **SETTINGS** screen opens.



9. Use the **Up** and **Down** buttons to select the screen page with the **Home address** button. Then tap on **Home address**.

Saving your home address...

The **HOME ADDRESS** screen opens.

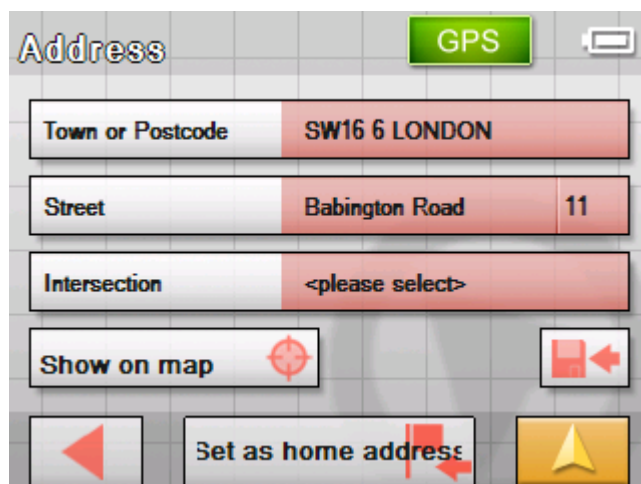


10. Tap **Enter your home address**.

The **NAVIGATION** screen opens.

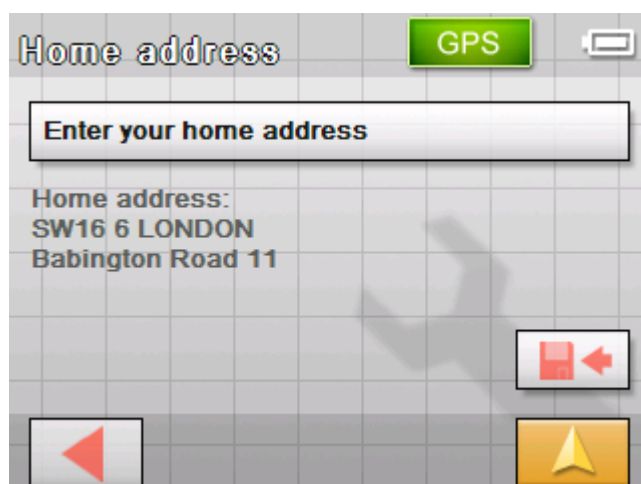


11. Tap the **Address** button and enter your home address as described in "Entering an address", page 29.



12. Tap the **Set as home address** button.

The address is indicated on the **HOME ADDRESS** screen.



13. Tap the **Save** button.



14. Tap on the **Map view** button.

The standard map view opens.

Indicating a destination

Basic principle of navigation

In this chapter you will learn about the possibilities for indicating and managing destinations in the **Sony Personal Navigation System**.

For details on how to start navigation to a destination, please refer to "Starting navigation", page 59.

Indicating a destination

In the **Sony Personal Navigation System** there are several possibilities to enter or to select destinations:

- ⇔ Entering an address, see page 29
- ⇔ Selecting a point of interest, see page 30
- ⇔ Indicating destinations on the map, see page 38
- ⇔ Favourites, see page 42
- ⇔ Recent destinations, see page 43
- ⇔ Navigating homewards, see page 44

Specifying the country of your destination

First of all enter the country of your destination. You don't have to repeat this each time. You only need to change this if your destination is in a different country to the last one.

1. Tap on **New destination** in the **MENU**.

The **NEW DESTINATION** screen opens.

Tap on the **Navigation** button.

The **NAVIGATION** screen opens.



2. In the **NAVIGATION** screen, tap on the **Country** button.
The **COUNTRY** list opens.
3. Tap on the country of your destination.
The **NAVIGATION** screen opens.



Note: Only countries of which at least a part is represented on the currently loaded map may be selected.

Entering an address

1. In the **MENU**, tap on the **New destination** button.

The **NEW DESTINATION** screen opens.

2. Tap on the **Navigation** button.

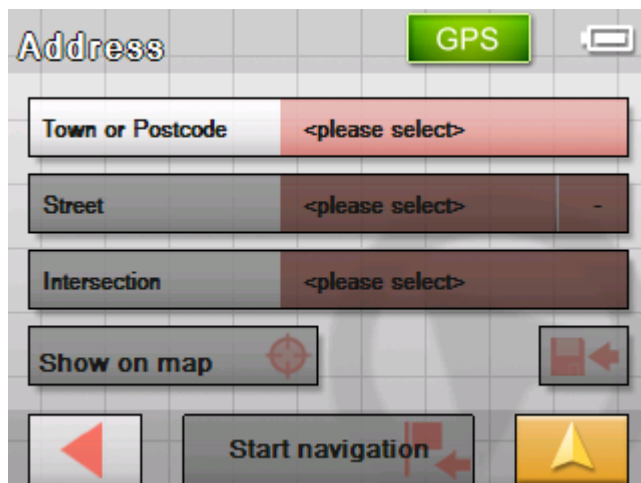
The **NAVIGATION** screen opens.



3. On the **NAVIGATION** screen, tap **Address**.

Indicating an address...

The **ADDRESS** screen opens.



4. Enter the destination town into the **Town or Postcode** entry field. Enter either its name or its postcode.



For information on working with lists, please refer to "Lists", page 12.

5. Enter the destination street into the **Street** entry field.
6. If you know the house number of your destination, enter it in the field next to the street.



Note: If the house numbers of the respective street are stored in the database of places, you may tap the field besides the **Street** field.
If no house numbers are stored, the respective field is deactivated. The software navigates to the respective street

7. Enter the name of a crossroad into the **Intersection** entry field if you want to define an intersection as destination point (e.g. because the house number is not available).



For information on working with lists, please refer to "Lists", page 12.

Start navigation

Tap on the **Start navigation** button to commence navigation to the specified destination.



Look this up in chapter "Starting navigation" on page 59.

Show on map

Tap on the **Show on map** button to see the specified address on the map.



Look this up in chapter "Indicating several destinations (Itinerary with stages)" on page 47.

Save

Tap on the **Save** button to save the specified address under **FAVOURITES**.



Look this up in chapter "Saving a destination" on page 45.

Selecting a point of interest

Points of interest

Points of Interest, also referred to as POIs, are stored in the database of places and may be displayed on the map. Ports, airports, restaurants, hotels, petrol stations, public buildings, and others belong to the special destinations.
Indicate a point of interest by selecting one

Point of interest nearby



Note: You may only select Points of interest nearby if the GPS reception is sufficient for the positioning.

1. In the **MENU**, tap on the **New destination** button.
The **NEW DESTINATION** screen opens.
2. Tap on the **Navigation** button.

The **NAVIGATION** screen opens.



3. In the **NAVIGATION** screen, tap **Point of interest**.

The **POINT OF INTEREST** screen opens:



4. In the **POINT OF INTEREST** screen, tap **...nearby**.

Selecting a Point of interest nearby...

The **CATEGORY** screen opens.



5. Select the category (e.g. Garage) from which points of interest should be searched. Only those categories for which points of interest can be found near your current position will be shown.

The **POI NEARBY** screen opens. The **Category 1** field shows the chosen category.



6. Tap on the **Category 2** field and select the subcategory (e.g. Audi VW Seat Skoda) under which the point of interest should be searched. Only those subcategories for which points of interest can be found in the current vicinity will be shown.
7. Select the correct destination from the **Point of interest** list field.



Note: Initially, the points of interest will be searched for in a very small radius around your current location. If no or unsuitable points of interest are found then select the entry **More...** You then obtain all the points of interest found in a greater vicinity.



Note: You need not make entries into the **Category 1** and **Category 2** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

Start navigation

Tap on the **Start navigation** button to commence navigation to the specified destination.



Look this up in chapter "Starting navigation" on page 59.

Show on map

Tap on the **Show on map** button to see the specified address on the map.



Look this up in chapter "Indicating several destinations (Itinerary with stages)" on page 47.

Save

Tap on the **Save** button to save the specified address under **FAVOURITES**.



Look this up in chapter "Saving a destination" on page 45.

Point of interest in a certain town

1. In the **MENU**, tap on the **New destination** button.
The **NEW DESTINATION** screen opens.
2. Tap on the **Navigation** button.
The **NAVIGATION** screen opens.



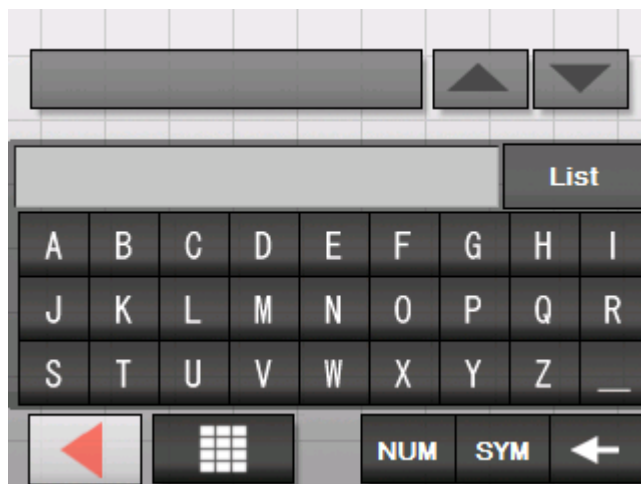
3. On the **NAVIGATION** screen, tap **Point of interest**.
The **POINT OF INTEREST** screen opens:



4. On the **POINT OF INTEREST** screen, tap **...in a town**.

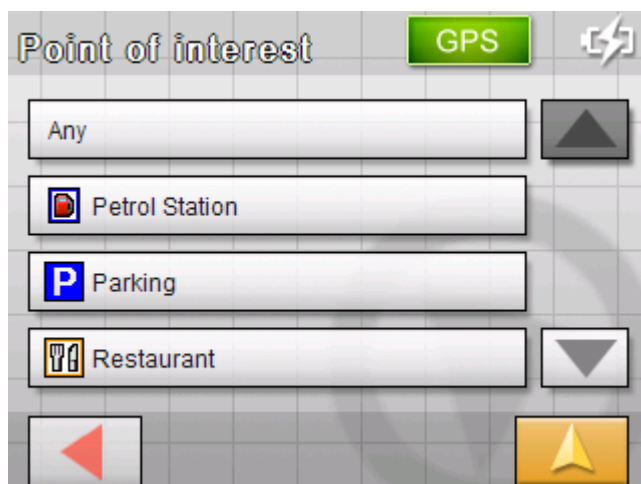
Selecting a Point of interest in a certain town...

The screen for inputting the town opens:



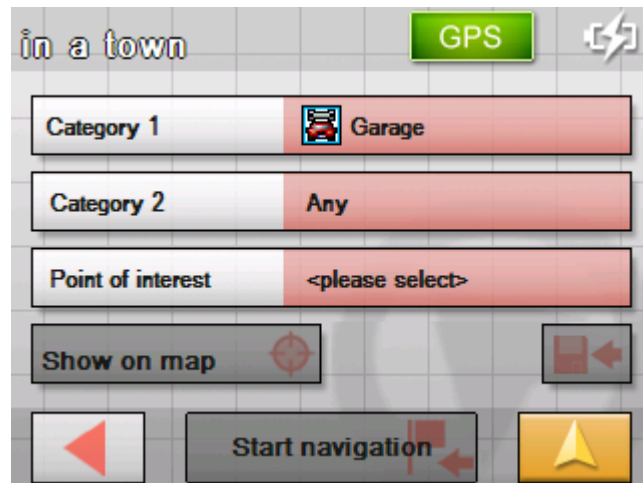
5. Enter the town in which a point of interest should be searched. You can either enter the postcode or the name of the town.

The **CATEGORY** screen opens.



6. Select the category (e.g. Garage) from which points of interest should be searched. Only those categories for which points of interest can be found in the specified area will be shown.

The **POINT OF INTEREST OF SUPRAREGIONAL SIGNIFICANCE** opens. The **Category 1** field shows the chosen category.



7. Tap on the **Category 2** field and select the subcategory (e.g. Audi VW Seat Skoda ...) under which the point of interest should be searched. Only those subcategories for which points of interest can be found in the specified town will be shown.
8. Select the correct destination from the **Point of interest** list field.



Note: You need not make entries into the **Category 1** and **Category 2** fields. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

Start navigation

Tap on the **Start navigation** button to commence navigation to the specified destination.



Look this up in chapter "Starting navigation" on page 59.

Show on map

Tap on the **Show on map** button to see the specified address on the map.



Look this up in chapter "Indicating several destinations (Itinerary with stages)" on page 47.

Save

Tap on the **Save** button to save the specified address under **FAVOURITES**.



Look this up in chapter "Saving a destination" on page 45.

Point of interest of supraregional significance

1. In the **MENU**, tap on the **New destination** button.
The **NEW DESTINATION** screen opens.
2. Tap on the **Navigation** button.
The **NAVIGATION** screen opens.



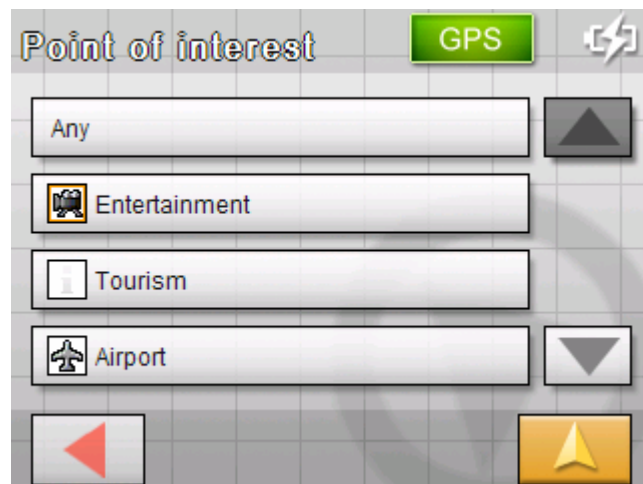
3. On the **NAVIGATION** screen, tap **Point of interest**.
The **POINT OF INTEREST** screen opens:



4. On the **POINT OF INTEREST** screen, tap **...nationwide**.

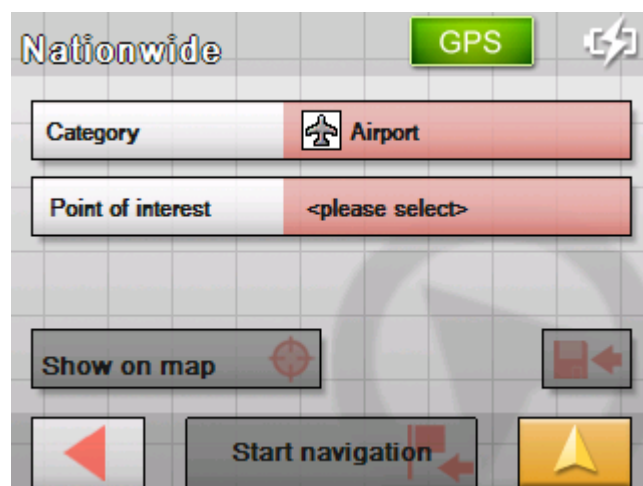
Selecting a Point of interest of supraregional significance...

The **CATEGORY** screen opens.



5. Select the category (e.g. car airport) from which points of interest should be searched. Only categories of supraregional importance will be shown.

The **POI NATIONWIDE** screen opens. The **Category** field shows the chosen category.



6. Select the correct destination from the **Point of interest** list field.



Note: You need not make entries into the **Category** field. Their purpose is only to shorten the **Point of interest** list. This list may become very extensive, especially in big towns.

Start navigation

Tap on the **Start navigation** button to commence navigation to the specified destination.



Look this up in chapter "Starting navigation" on page 59.

Show on map

Tap on the **Show on map** button to see the specified address on the map.



Look this up in chapter "Indicating several destinations (Itinerary with stages)" on page 47.

Save



Tap on the **Save** button to save the specified address under **FAVOURITES**.

Look this up in chapter "Saving a destination" on page 45.

Indicating destinations on the map

You may indicate a destination directly on the map.

There are two ways to launch a destination search on the map:

- ⇔ Via the standard map view
- ⇔ Via the **Select on map** button

The standard map view route is usually quicker.

Via map view

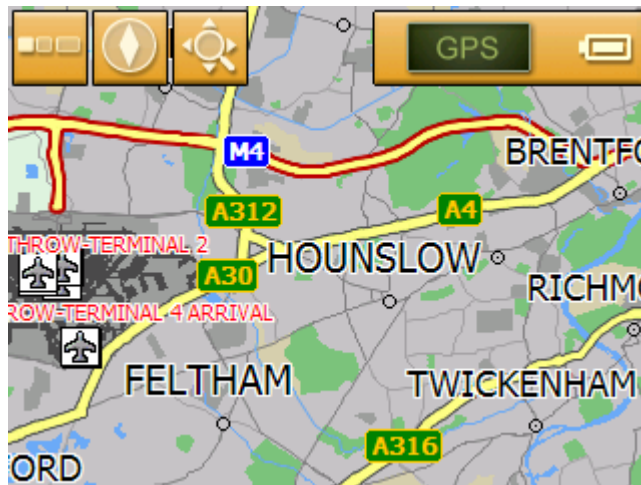
1. If the standard map view is not yet open, tap on the button



Map view.

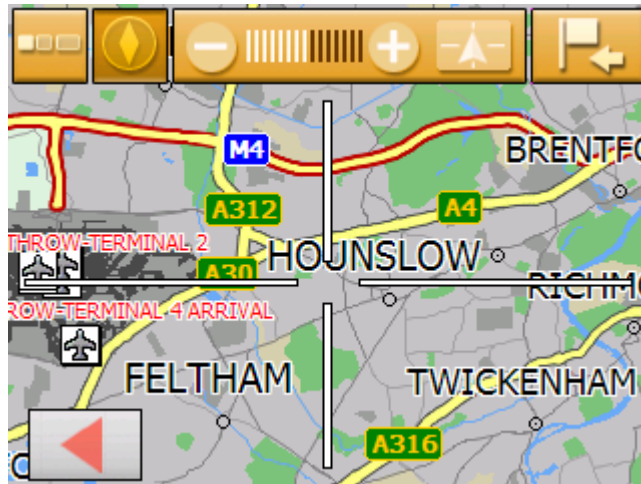
This button can be found on almost all the **Sony Personal Navigation System** screens in the bottom, right corner of the screen.

The map opens.



- 1a Tap the **Search for destination** button on the map.

The map opens in **SEARCH DESTINATION** mode. The most significant characteristic of this mode is a large crosshair on the screen.



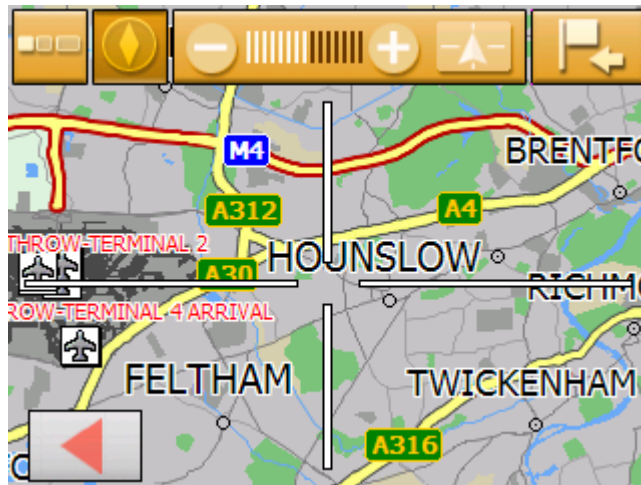
Via the Select on map button

1. In the **MENU** tap on the **New destination** button.
The **NEW DESTINATION** screen opens.
- 1a Tap on the **Navigation** button.
The **NAVIGATION** screen opens.



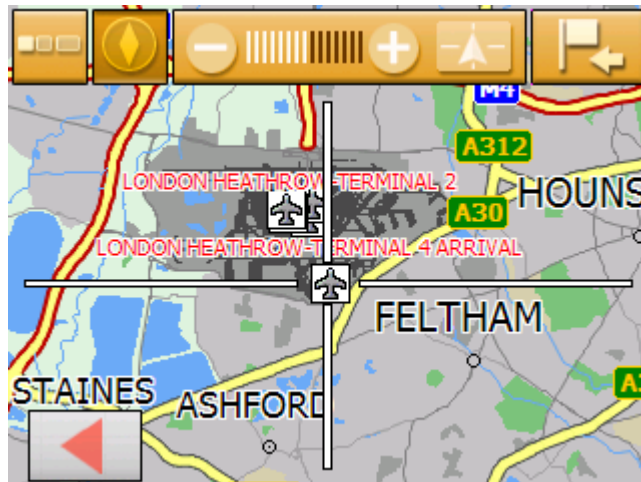
- 1b On the **NAVIGATION** screen, tap on the **Select on map** button.

The map opens in **SEARCH DESTINATION** mode. The most significant characteristic of this mode is a large crosshair on the screen.



How to accept destinations from the map...

2. Push the desired destination into the middle of the crosshair.

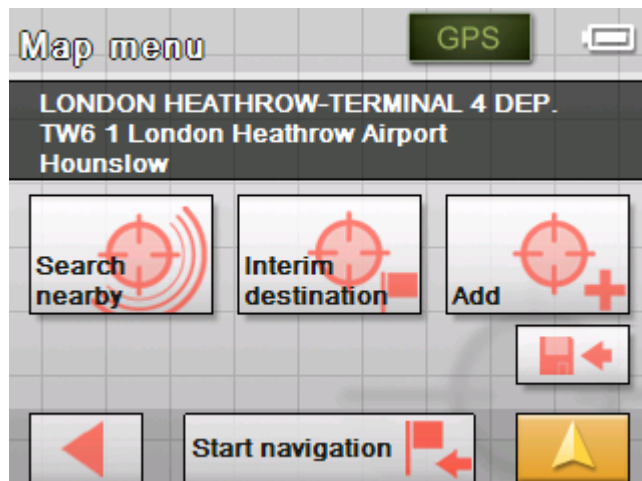


Refer to chapter "Operating the map" on page 65 to discover more about working with maps.

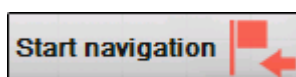


3. Tap on the **Select destination** button.

The **MAP MENU** opens. It shows the address of the destination in the crosshair. If the destination in the crosshair is not located on a road that is included in the map, you will be shown the coordinates.



You have the following options:



This function is only available when GPS reception is possible (The GPS-symbol must be **GPS ready**).

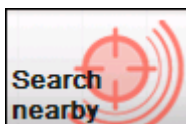
Tap the **Start navigation** button to start navigation to the selected place.



Caution: Using this function while you are already navigating deletes all current destinations (stage points and destination point).



Tap the **Save** button to save the selected place. You may then at any time select this place from the **FAVOURITES**.

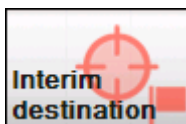


Tap the **Search nearby** button to search for a point of interest near the selected place.



Tap the **Add** button to add the selected place to your itinerary. The selected point will be marked by a little flag. It will also be added to the list of route points of the **ROUTE PLANNING** screen where it figures as destination point.

Using this function while you are already navigating causes an immediate recalculation of your route.



Tap the **Interim destination** button to make the selected point the next stage point of your itinerary. Your route will be recalculated immediately and then navigation will continue.

Once you have reached the interim destination, navigation to the original destination is resumed.



Tap on the **Back** button to return to the map view without executing a function.

Favourites

Survey

All destinations you have saved by tapping the **Save** button are listed on the **FAVOURITES** screen. On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ rename destinations, and
- ⇔ delete destinations from the list.

1. In the **MENU**, tap on the **New destination** button.

The **NEW DESTINATION** screen opens.

2. Tap on the **Navigation** button.

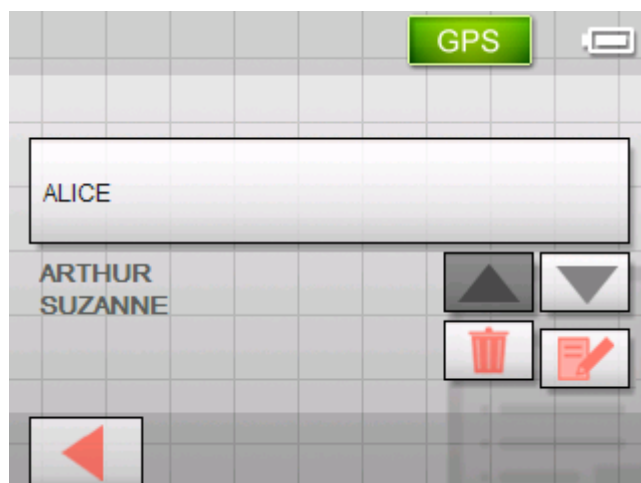
The **NAVIGATION** screen opens.



3. On the **NAVIGATION** screen, tap **Favourites**.

Saved destinations

The **FAVOURITES** screen opens.



4. Tap the entry of the respective destination.
 5. Use the **Up** and **Down** buttons to select the desired location.
- The selected location appears on the select button.

6. Tap on the select button with the marked destination.

Once you have chosen a destination for the navigation, the **ROUTE OPTIONS** screen opens.

When you have selected a route point for a route planning, the **ROUTE PLANNING** screen opens. The destination is entered as a route point.



For information on deleting or renaming saved destinations, please refer to "Destination management", page 45.

Recent destinations

Survey

All destinations you have navigated to recently are listed on the **RECENT DESTINATIONS** screen. On this screen you may:

- ⇔ select destinations for navigation purposes,
- ⇔ Add destinations to the **SAVED DESTINATIONS** list, and
- ⇔ delete destinations from the **RECENT DESTINATIONS** list.

1. In the **MENU**, tap on the **New destination** button.

The **NEW DESTINATION** screen opens.

2. Tap on the **Navigation** button.

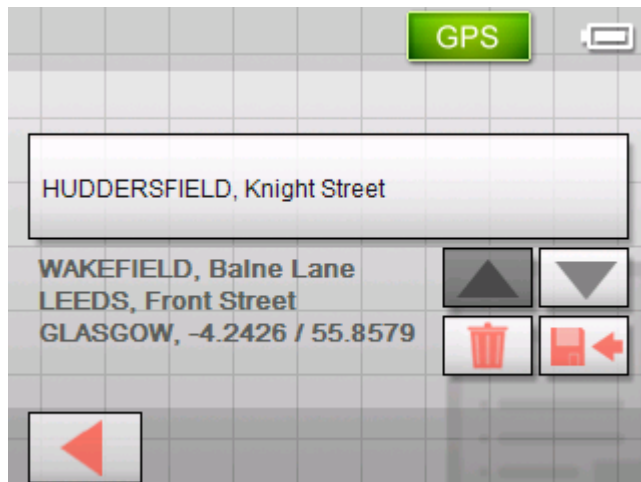
The **NAVIGATION** screen opens.



3. On the **NAVIGATION** screen, tap **Recent destinations**.

Recent destinations

The **RECENT DESTINATIONS** screen opens.



4. Use the **Up** and **Down** buttons to mark the desired destination.

The marked destination appears on the select button.

5. Tap on the marked destination.

When you have chosen a destination for the navigation the **ROUTE OPTIONS** screen opens.

When you have chosen a route point for a route planning, the **ROUTE PLANNING** screen opens. The destination is entered as a route point.

Refer to chapter "Destination management" on page 45 to find out how to delete the marked destination or save it under Favourites.



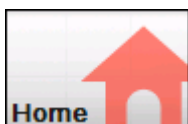
Navigating homewards

Survey

If you have stored your home address you may quickly start navigation home at any place.

For information on saving your home address, please refer to "Home address", page 90.

Navigating homewards...



1. In the **MENU** tap on the **New destination** button.

The **NEW DESTINATION** screen opens.

2. Tap on the **Home** button.

The route is now being calculated and navigation starts.

The route calculation takes into account the settings that are established in the **ROUTE OPTIONS** screen.

For details, please refer to "Settings", page 84.



Destination management

Survey

Destinations may be stored in two lists:

- ⇔ the **FAVOURITES**
- ⇔ the **RECENT DESTINATIONS** list

Every destination you are indicating and the destinations from the **RECENT DESTINATIONS** list may be added to the **FAVOURITES**. This makes sense if you want to navigate more often to the respective destination.

Destinations from the **FAVOURITES** may be renamed.

Items from both lists may be deleted.

Saving a destination

Precondition

You have entered a destination as described in "Indicating a destination", page 28

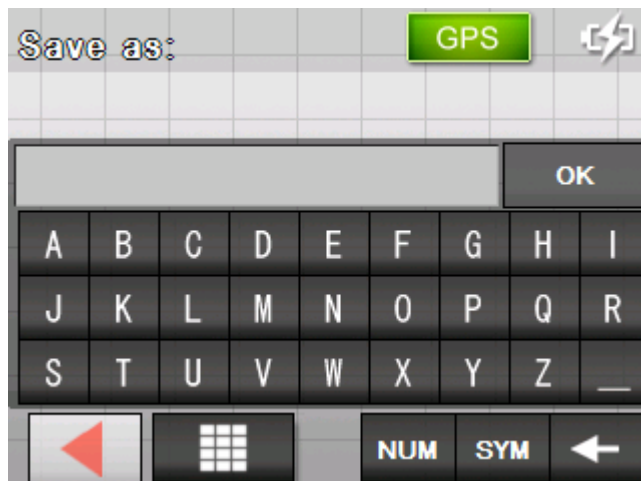
- OR -

You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 43.

1. Tap the **Save** icon.



The **NAME OF DESTINATION** screen opens.

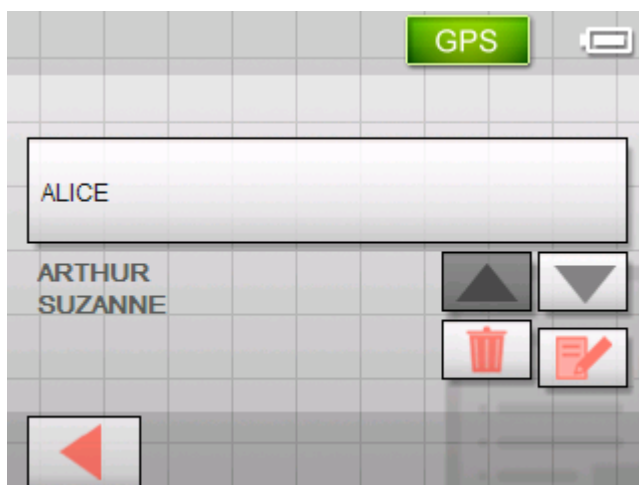


2. Enter a name for the destination.
3. Tap the **OK** button.

The destination has now been added to the **FAVOURITES**.

Renaming a destination

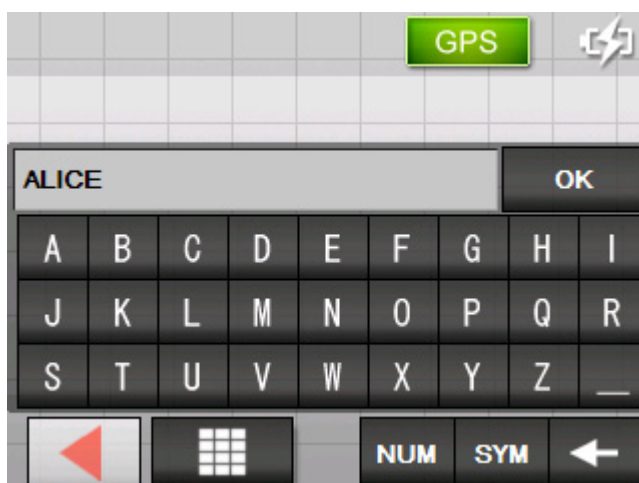
1. Open the **FAVOURITES** screen, as described in chapter "Favourites" on page42.



2. Select the destination you want to rename.
3. Tap the **Edit** icon.



The **NAME OF DESTINATION** screen opens.



4. Enter the new name of the destination.
5. Tap the **OK** button.

The destination is now renamed.

Deleting a destination

Precondition

You have opened the **FAVOURITES** as described in "Favourites", page 42

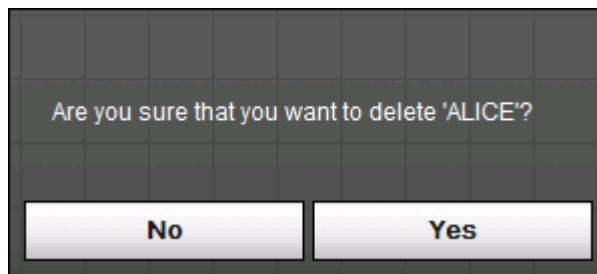
- OR -

You have opened the **RECENT DESTINATIONS** list as described in "Recent destinations", page 43.



1. Tap the entry of the destination to be deleted.
2. Tap the **Delete** icon.

The **CONFIRM** screen opens.



3. Tap **Yes** to delete the destination from the list.

The destination is now deleted from the list.

Indicating several destinations (Itinerary with stages)

Itinerary planning

You may plan itineraries without receiving GPS-signals, e.g. comfortably at home. Planned itineraries may be stored. Thus you may plan as many itineraries as you want, e.g. for holidays.

Indicating route points

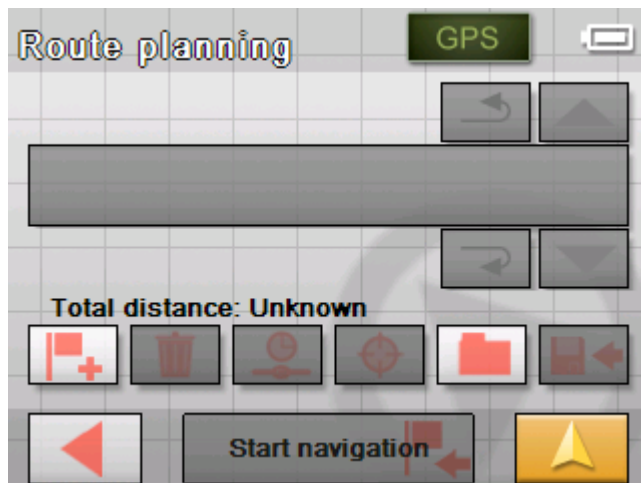
Planning itineraries...

1. On the **MENU** tap on the **New destination** button.

The **NEW DESTINATION** screen opens.

2. Tap on the **Route planning** button.

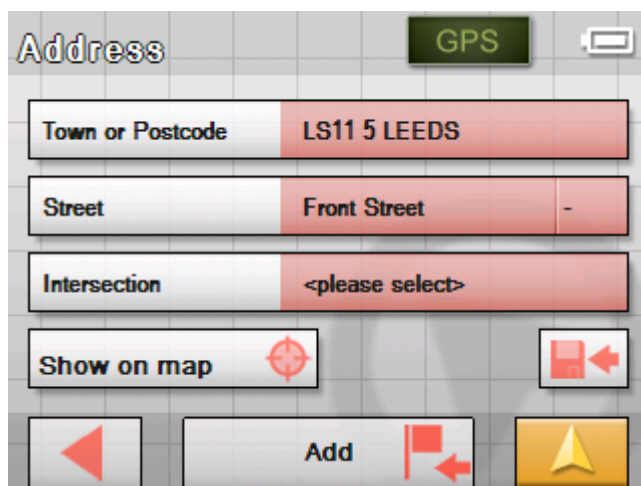
The **ROUTE PLANNING** screen opens:



3. Tap the **Add route point** icon to enter the first route point.

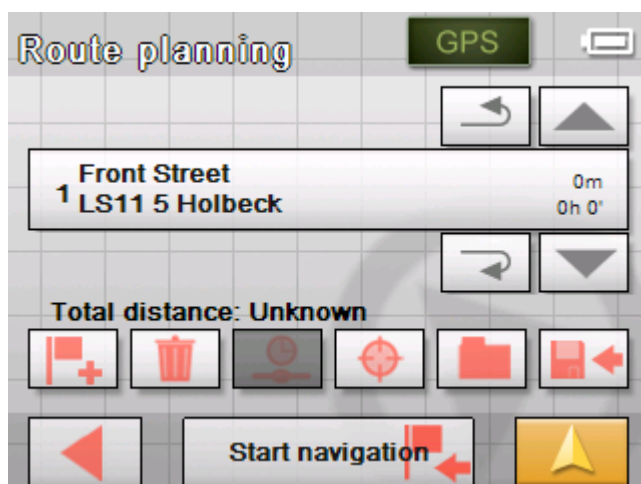
The **NAVIGATION** screen opens.

4. Indicate the destination as described in "Indicating a destination", page 28.

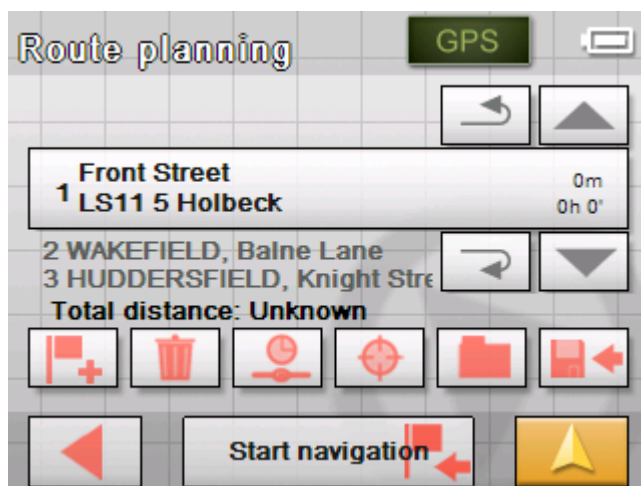


5. Tap **Add**.

The **ITINERARY PLANNING** screen opens. The destination is added as stage point 1.



6. Repeat steps 2-4 for every stage point you want to add to the itinerary.



Editing, saving and managing itineraries

Survey

You may plan as many itineraries as you want, e.g. for holidays. You may save them and use them later for navigation purposes.

At any moment, you may add stage points, modify the order of the stages, or display the itinerary on the map.

The following commands are available on the **ITINERARY PLANNING** screen:

Selection

These icons are deactivated when the list does not contain any route point.

Up



Tap this icon to move the selection one route point up.

Tap this icon several times to move the selection several route points up.

Down



Tap this icon to move the selection one route point down.

Tap this icon several times to move the selection several route points down.

Changing the order

Route point up



Tap this icon to navigate to the respective stage point earlier (example: stage 3 becomes stage 2).

Route point down



Tap this icon to navigate to the respective stage point later (example: stage 2 becomes stage 3).

Deleting route points

Delete route point



Tap this icon to delete the selected route point from the list.

This icon is deactivated when not route point is selected.

Adding route points

Add route point



Tap this icon to add a stage point. The new stage point will be added before the stage point that currently has the focus. You may shift it using the **Route point up** and **Route point down** icons.

Managing itineraries

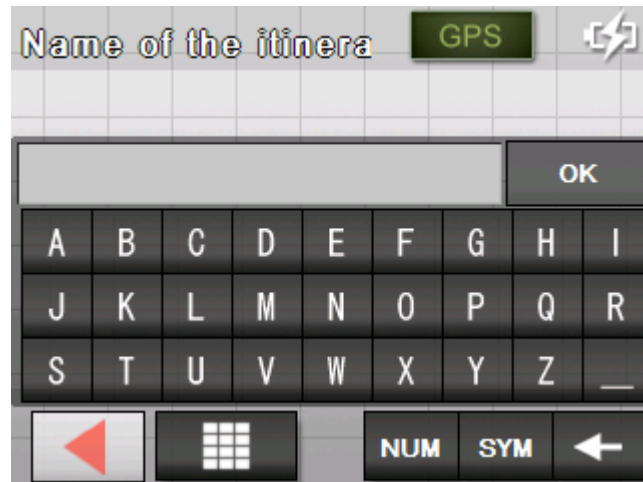
Save itinerary



Only itineraries that contain at least one route point may be saved. Otherwise this icon is deactivated.

1. Tap this icon to save the itinerary you have planned.

The **NAME OF THE ITINERARY** screen opens.



2. Enter a name for the itinerary.
3. Tap **OK**.



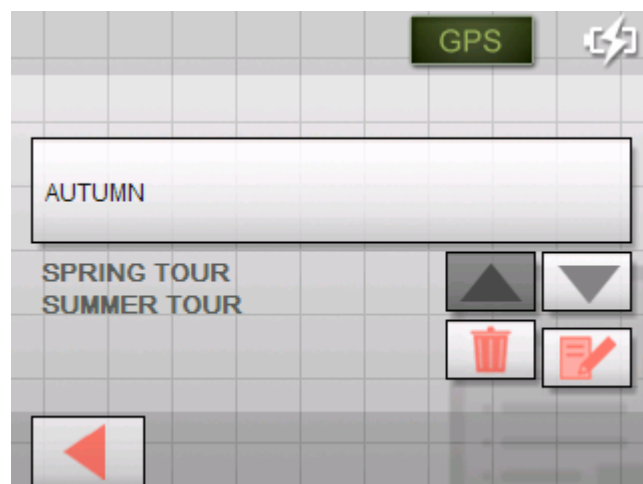
Note: Only the route points will be saved. If you load an itinerary, you will have to recalculate it.

Load itinerary



1. Tap this icon to load a saved itinerary, e.g. to modify it or for navigation purposes.

The **SELECT ITINERARY** screen opens:



2. Use the **Up** and **Down** buttons to mark the desired route.
The marked route appears on the select button.
3. Tap on the marked route.

Rename itinerary

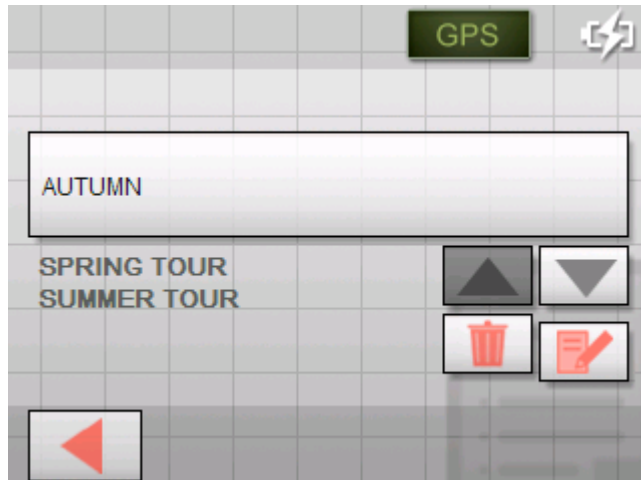


1. Tap the **Load itinerary** icon. (This icon is deactivated if there is no saved itinerary available)

The **SELECT ITINERARY** screen opens:

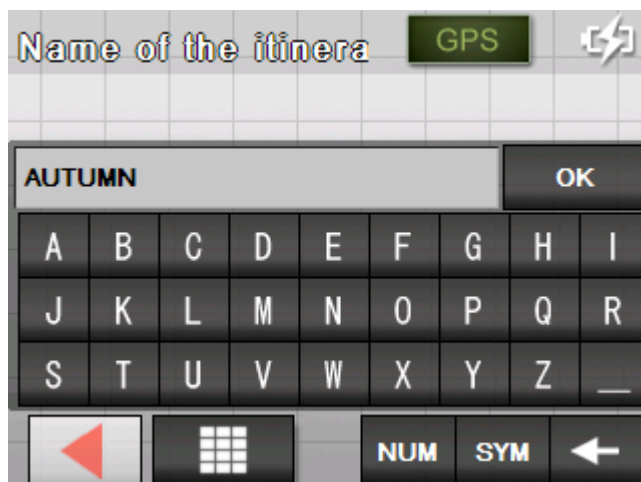
2. Use the **Up** and **Down** buttons to mark the desired route.

The marked route appears on the select button.

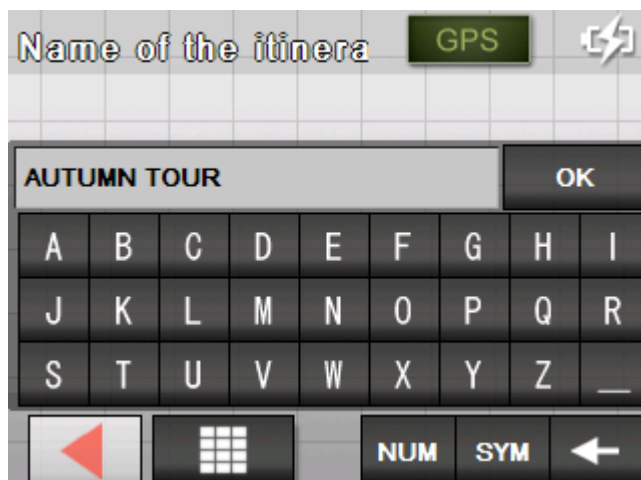


3. Tap the **Edit** icon.

The **NAME OF THE ITINERARY** screen opens:

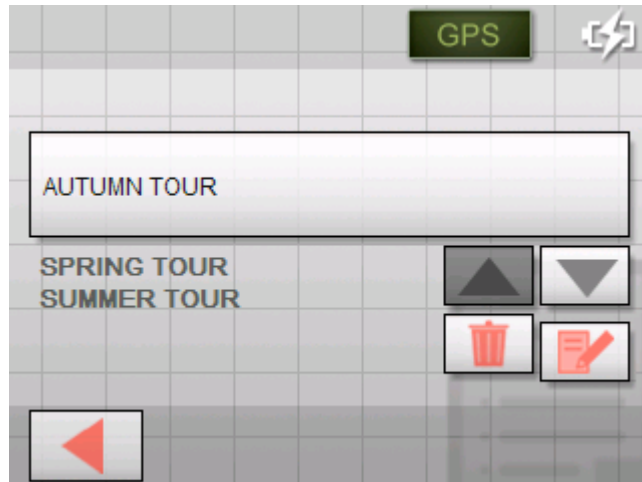


4. Enter the new name of the itinerary.



5. Tap **OK**.

The **SELECT ITINERARY** screen reopens. The itinerary has been renamed.



6. Tap on the button with the renamed route in order to download this route.

- OR -

Tap the



Back

icon to open the **ROUTE PLANNING** screen without loading an itinerary.

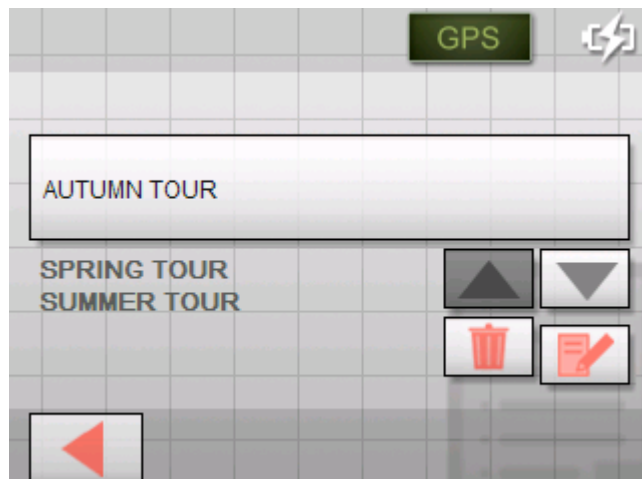
Delete itinerary

1. Tap the **Load itinerary** icon. (This icon is deactivated if there is no saved itinerary available)

The **SELECT ITINERARY** screen opens.

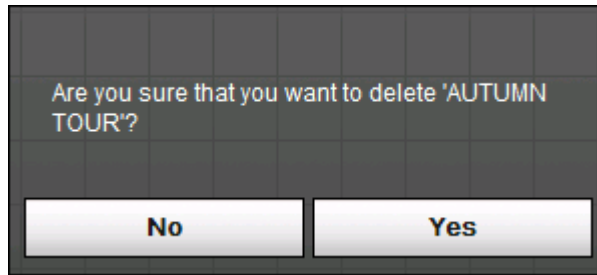
2. Use the **Up** and **Down** buttons to mark the desired route.

The marked route appears on the select button.

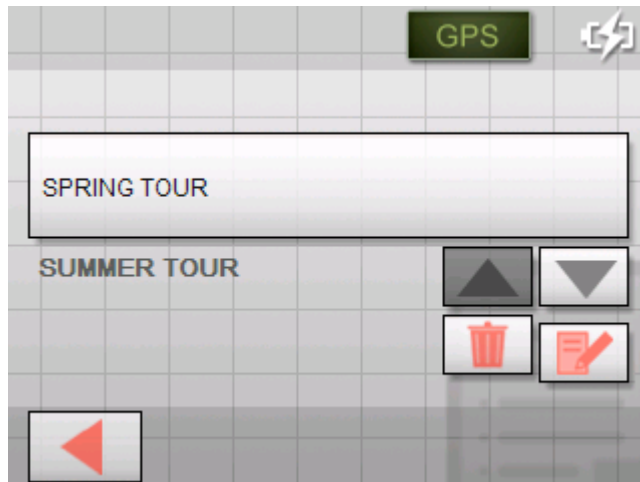




3. Tap the **Delete** icon to delete the selected itinerary.
The **CONFIRM** screen opens.



4. Tap **Yes**.
The **SELECT ITINERARY** screen reopens. The deleted route is no more listed.



Calculating the route

An itinerary may be calculated even without GPS reception in order to get an impression on the route.

The system assumes then the first route point to be the start point of the route.

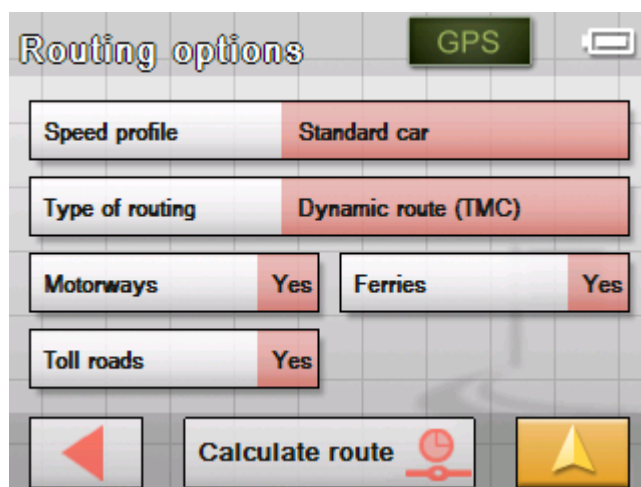


Note: When you start navigation, the system identifies your current position and makes it the start point. The first indicated route point is then the first stage point.



1. Tap this icon to calculate the distance and the estimated duration of the entire itinerary.

The **ROUTE OPTIONS** screen opens:



2. Determine the route options.



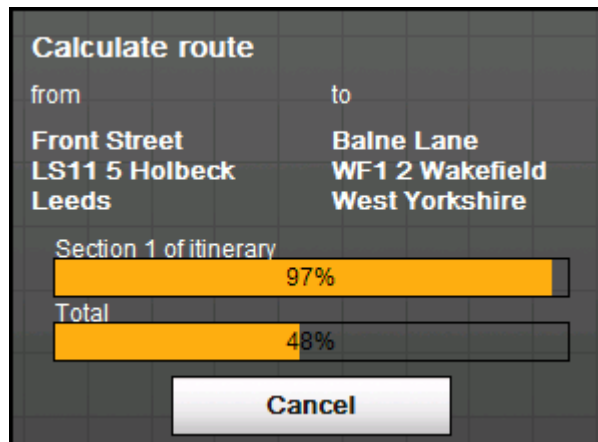
For detailed information on setting the route options, please refer to "Routing options", page 88.



Note: The standard settings for the route options may be changed on the **ROUTE OPTIONS** screen. For detailed information on changing the standard settings refer also to "Configuring the Sony Personal Navigation System", page 83.

3. Tap the **Calculate route** icon.

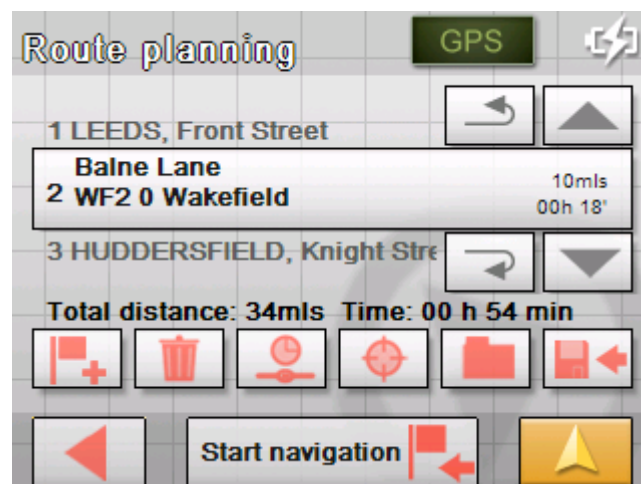
The route is being calculated. A message window informs you on the progress of calculation.



When the calculation has ended, the entire route from the first to the last route point and the probable duration of journey for this route are displayed at the bottom of the **ROUTE PLANNING** screen.

Total distance: 34mls Time: 00 h 54 min

Furthermore, the distance and the estimated duration of each stage will be indicated with the selected route point entry.

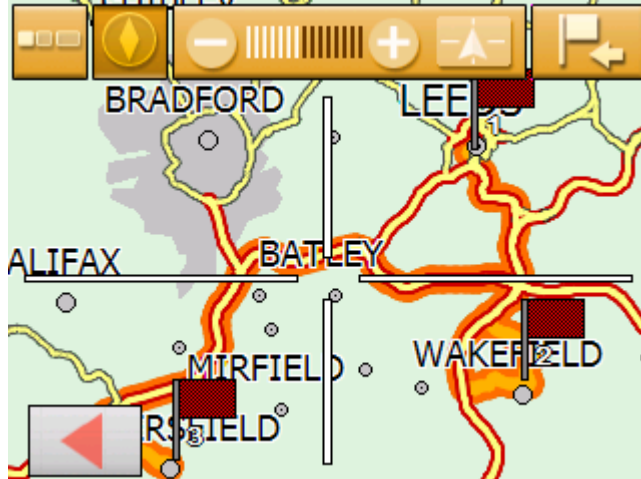


Displaying the itinerary on the map

Show itinerary

1. Tap the **Show on map** button to display the entire itinerary on the map.

The map opens in **SEARCH FOR DESTINATION** mode.



The itinerary is highlighted in orange.

The route points are marked by flags.

In **SEARCH FOR DESTINATION** mode you can also add a destination to the route. For more information, read chapter "Indicating destinations on the map" on page 38.

For information on working with maps, please refer to "Working with the map", page 63.



2. Tap on the



Back

button to return to the **ROUTE PLANNING** screen.

Simulating the route

Simulation

You may execute a simulated navigation.



Note: The reception of GPS-signals is not necessary for the simulation.

Simulation is restricted to routes of 60 miles max.

Precondition

- ⇔ You have planned or loaded a route as described in "Indicating several destinations (Itinerary with stages)" on page 47.
- ⇔ The route must be calculated as described in "Calculating the route" on page 55.

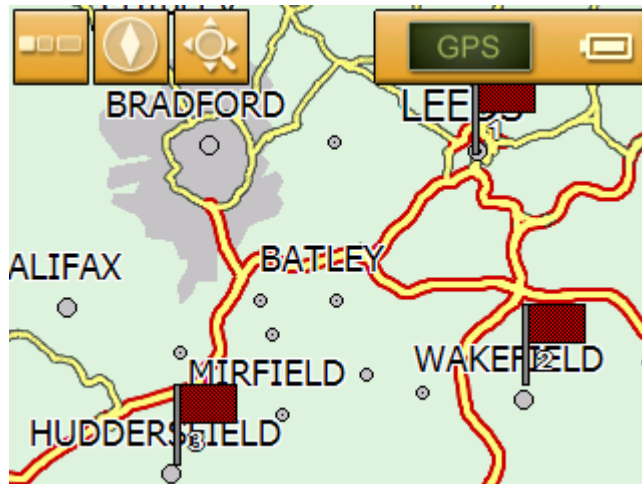
1. Tap the



Map view

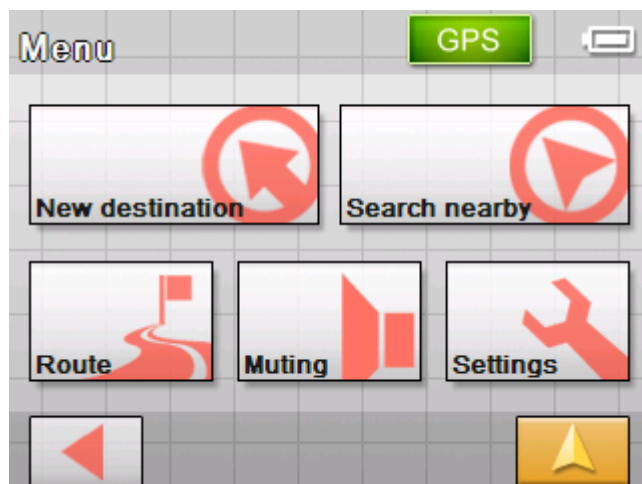
button.

The standard map view opens.



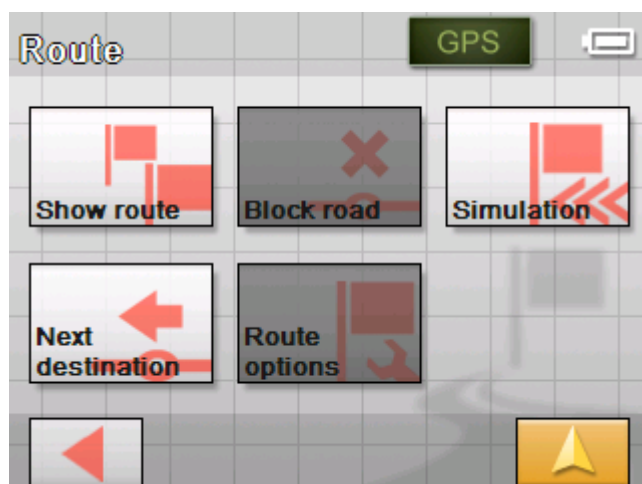
2. Tap short on any place on the map.

The **MENU** opens.



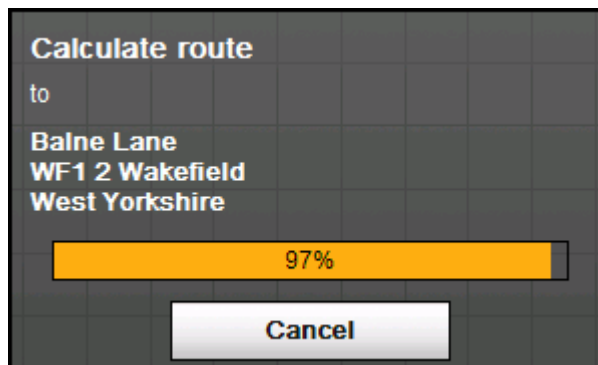
3. Tap on **Route**.

The **ROUTE** window opens.



4. Tap on **Simulation**.

The route is recalculated for the simulation.



Simulation starts when calculation has finished.

Stopping the simulation

You may quit a simulation at any moment.

1. Tap short on any place on the map.

The **MENU** screen opens.

2. Tap **Stop navigation**.

Starting navigation

Precondition

You have entered a destination as described in "Indicating a destination", page 28,

- OR -

You have selected a destination from the **FAVOURITES** as described in "Favourites", page 42,

- OR -

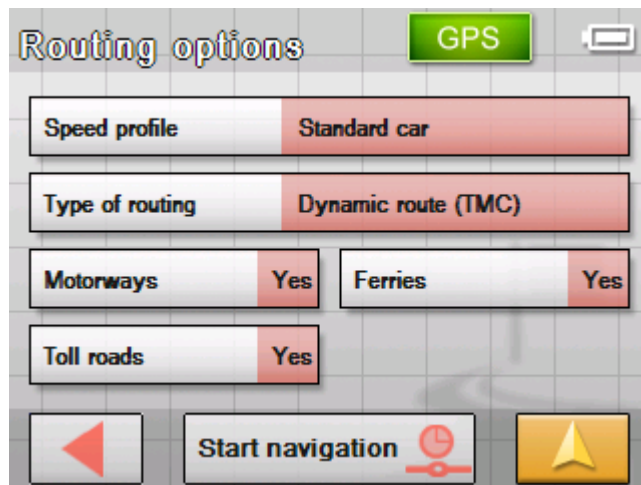
You have selected one of your **RECENT DESTINATIONS** as described in "Recent destinations", page 43,

- OR -

You have planned or loaded an itinerary as described in "Indicating several destinations (Itinerary with stages)", page 47.

1. Tap **Start navigation**.

The **ROUTE OPTIONS** screen opens:



2. Determine the route options.



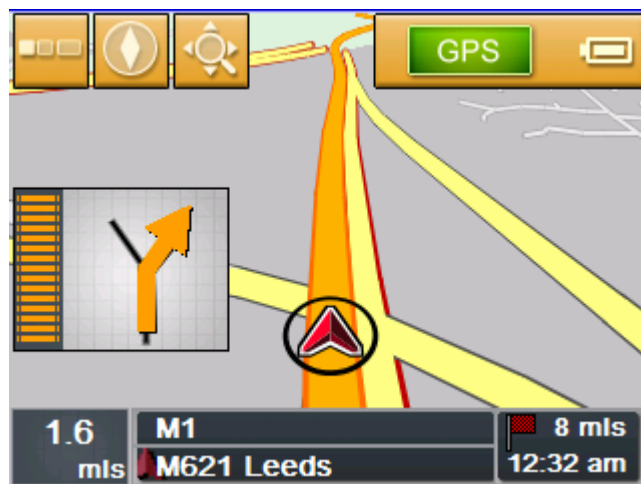
For detailed information on setting the route options, please refer to "Routing options", page 88.



Note: The standard settings for the route options may be changed in **SETTINGS – ROUTE OPTIONS**. For detailed information on changing the standard settings refer to "Settings", page 84.

The system calculates the route.

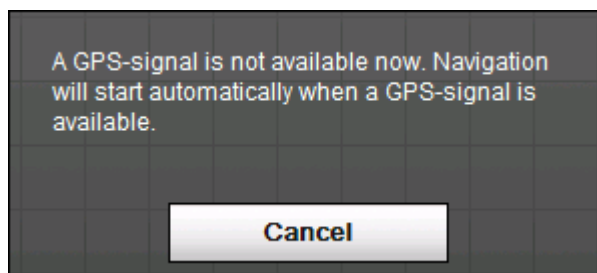
The map screen opens. Your current position is indicated by a red arrow. The route is highlighted in orange.



Note: When you start navigation after having planned or loaded an itinerary, then your current position is the start point of the route. The first indicated route point is then the first stage point of your route.

No GPS reception?

When the received GPS signal is not sufficient, the following message appears:



You have two possibilities:

- ⇔ Wait until navigation starts. This will happen as soon as the GPS reception is sufficient.
- ⇔ Tap **Cancel** and restart navigation as soon as the reception of GPS signals is convenient. You may notice that by watching the GPS symbol on the screen: it becomes **GPS ready** when the reception is good.

Working with the map

Topics covered in this chapter:

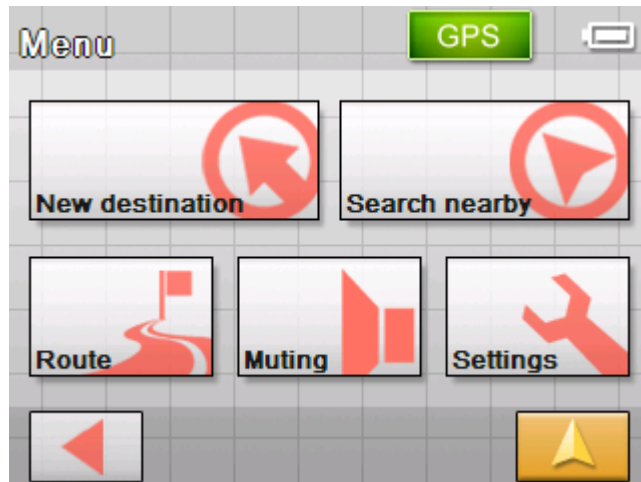
Selecting a map	page 64
Operating the map	page 65
Representation of the map in navigation mode	page 69

Selecting a map

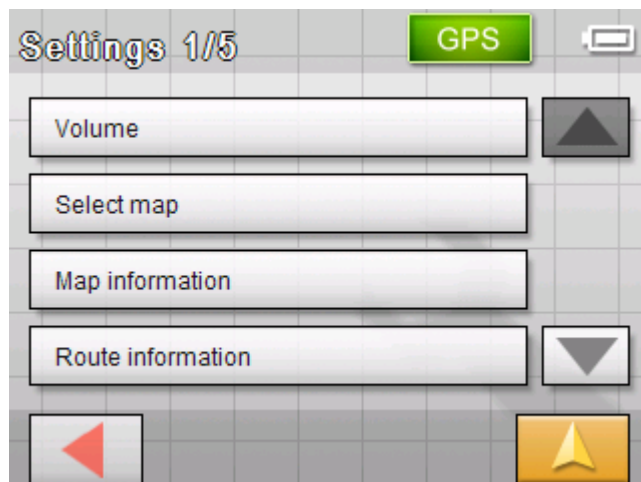
Selecting a map

To load another map which is available on the currently inserted memory card, proceed as follows:

1. In the **MENU** tap the **Settings** button.

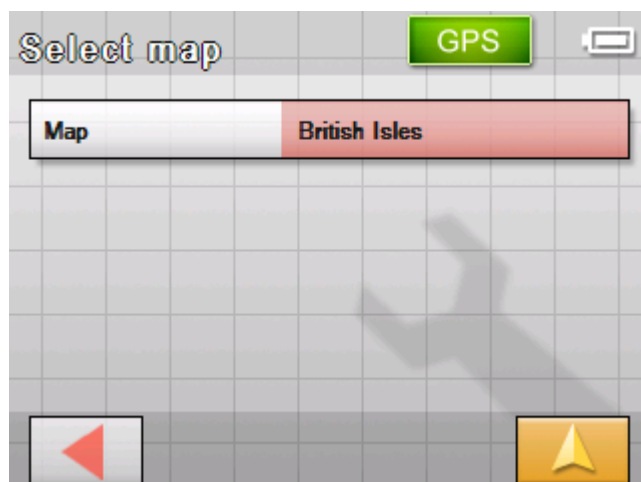


The **SETTINGS** screen opens.



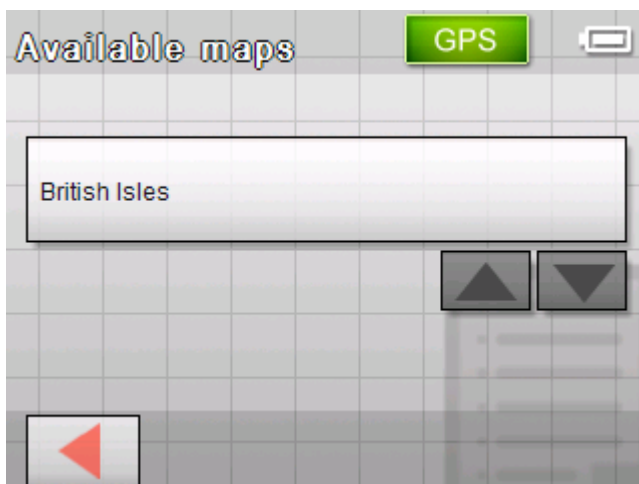
2. Tap on **Select map**.

The **SELECT MAP** screen opens.



3. Tap on the **Map** button.

The **AVAILABLE MAPS** screen opens:



4. Use the **Up** and **Down** buttons to mark the desired map.

The marked map appears on the select button

5. Tap on the select window for the marked map.

6. The **Select map** button opens again.

7. Tap on the **Save** window.

8. Tap on the



Map view button to return to the standard map view.

Operating the map

Overview

The map can be shown as two different views:

- ⇔ In the **Standard** map view
- ⇔ In the **Search for destination** map view

Each of these views has different functions that are described in the following.

Standard map view

The **STANDARD** map view appears after you switch on the navigation device and also during navigation.



The following properties are typical for this view:

- ⇔ Your current position is indicated by a red triangle in the centre of the lower third. When you move along, the triangle does not change its position on the screen. Instead, the map section changes according to your direction of movement.
- ⇔ The scale of the map changes depending on your speed.

You can open the **STANDARD** map view by tapping on the



Map view button. This button can be found on almost all the **Sony Personal Navigation System** screens.

The map opens automatically when you start navigation.

Opening the menu

Under the standard map view, when you tap on a point in the map, the **MENU** opens. From here you can access all the functions of the **Sony Personal Navigation System**.

The **STANDARD** map view offers the following buttons:

Hide and show



Hide and



Show

When you tap on the **Hide** button, all the other buttons on the map are hidden. This gives you a better overview.

The only button on the screen is now the **Show** button.

If you now tap on this button, the other buttons will be shown again.

Map alignmentalign **North** oralign **In driving direction**

Tap on **North** to align the map in such a way that north is always at the top.

This view corresponds to the map view of printed maps, but is impractical for the navigation.

Tap on **In driving direction** in order to align the map in such a way that the "straight ahead" direction of movement is always "pointing up" on the screen.

This view is recommended for the navigation because the directions right and left are shown on the map exactly as they are in reality.

Search for destination**Search for destination**

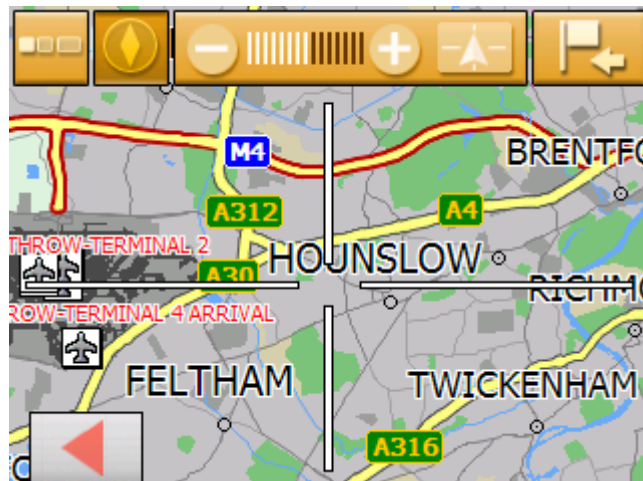
Tap on this button to change to the Search for destination map view. Refer to the next chapter ("Search for destination view" on page 67) for more information.

Search for destination view

In the **SEARCH FOR DESTINATION** view you can choose a destination directly on the map or obtain an overview of a specific area.



Chapter "Indicating destinations on the map" on page 38 describes how you choose a destination from the map.



The following characteristics are typical for this view:

- ⇔ A large crosshair appears on the screen. The point in the centre of the crosshair is being "aimed at".
- ⇔ The map is north up.
- ⇔ The map is fixed and will not follow your position. If you change to this view whilst you are driving, the triangle that represents your position disappears from the screen.
- ⇔ You can change the zoom level and therefore the size of the map section.
- ⇔ You can move the map in order to show a different map section.

You can open **SEARCH FOR DESTINATION** by

- ⇔ tapping the **Select destination** button under the **STANDARD** map view. (Refer to "Indicating destinations on the map" on page 38)
- ⇔ tapping the **On map** button under the navigation screen. (Refer to "Indicating destinations on the map" on page 38)
- ⇔ tapping **Show in map** after you've entered a destination or planned a route.

The **SEARCH FOR DESTINATION** map view offers the following buttons:

Hide and show



Hide and



Show

If you tap on the **Hide** button all the other buttons on the map are hidden. You obtain a better overview this way.

The only button remaining on the screen is the **Show** button.

If you now tap on this button, the other buttons are shown again.

Fix position or map



Fix position or



Fix map

Tap on **Fix position** to show your current position in the middle of the lower third of the screen. When you drive, the triangle does not change its position on the screen. Instead, the map section follows your direction of movement accordingly

Tap on the **Fix map** button to fix the map section. When you drive, the triangle that represents your position moves out of the screen

Map alignmentAlign **In driving direction** oralign **North**

Tap on the **In driving direction** button to align the map in such a way that the “straight ahead” direction of movement is always “pointing up” on the screen.

This view is then only possible if you have fixed the position (see above) and you are moving.

Tap on the **North** button to align the map in such a way that north is always at the top.

This view corresponds with the view on printed maps, but it is not practical for the navigation.

Select destination**Select destination**

Tap on this button in order to select the point in the centre of the crosshair as a destination point for the navigation or for the route planning. Refer to chapter "Indicating destinations on the map" on page 38 for more information.

Zoom level, scale**Zoom in****Zoom out**

Tap on the **Zoom in** button to zoom in on the map. The map section becomes smaller, but the detail increases.

Tap on the **Zoom out** button to zoom out on the map. The map section becomes larger but the detail reduces.



The **Zoom level bar** displays the current zoom level. The more white lines you see the smaller the scale.

Representation of the map in navigation mode

During navigation the map opens in the **STANDARD** view. For the **Mode 2D/3D**, **Autozoom** and **Alignment**, the settings that have been established in the **AUTO MODE** screen will be used. Refer to chapter "Auto mode" on page 87 for more information.

Assistance for navigation

Various types of information useful for the journey will be displayed during navigation.



Field	Information
①	If two manoeuvres are to be executed quickly one after the other, the small upper arrow field indicates the manoeuvre to be executed immediately after the next manoeuvre.
②	The red arrow indicates your current position on the map.
③	The next manoeuvre is shown in the large arrow field. Left of the indication arrow you will see a row of orange bars. As you approach the place where the manoeuvre needs to be carried out, these bars will decrease. When all the bars have disappeared, this is when you need to carry out the action (e.g. turn). The bars appear again afterwards.
④	The distance field shows the distance until the next action. As you approach the place where the action needs to be carried out, the distance information is hidden. You then need to orientate yourself on the bars to the left of the arrow.
⑤	The upper street field indicates the name of the next street to turn on.
⑥	The lower street field indicates the name of the street you are currently on.
⑦	The info box displays the current height above sea level and the current speed. The compass needle shows where north is.
⑧	The route information field displays the remaining distance until you reach your destination and the probable time of arrival. If you have planned a route, this information refers to the next stage point.



Note: the information regarding the numbers ④ to ⑧ can also be hidden in the **ROUTE INFORMATION** screen. Refer to chapter "Route information" on page 85 to find out more.

Signpost info

The upper part of the Map screen displays information on the signposts you have to follow:



This information covers some of the other buttons on the map. Tap on the signposts to hide them.

Press the left hardware key on the device in order to show the signposts.



Note: this information can only be shown if it is included in the map material. You can completely suppress your presentation using the **SIGNPOSTS** screen. Refer to chapter "Signpost information" on page 86 to find out more.

Useful functions for navigation

Topics covered in this chapter:

Show the entire route	page 74
Next destination	page 75
Blocking a route section	page 76
Change route options	page 78
Simulation	page 79
TMC	page 80

Survey

The following functions are available during navigation or after calculating a planned route:

Show the entire route

Overview

During navigation you always see only a part of the route on the screen. You can however display the entire route in order to gain a general overview.

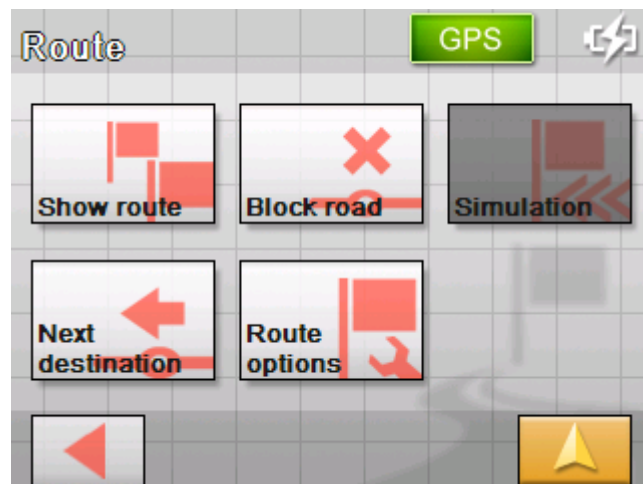
The map is open in the **STANDARD** view.

1. Tap anywhere on the map.

The **MENU** opens.

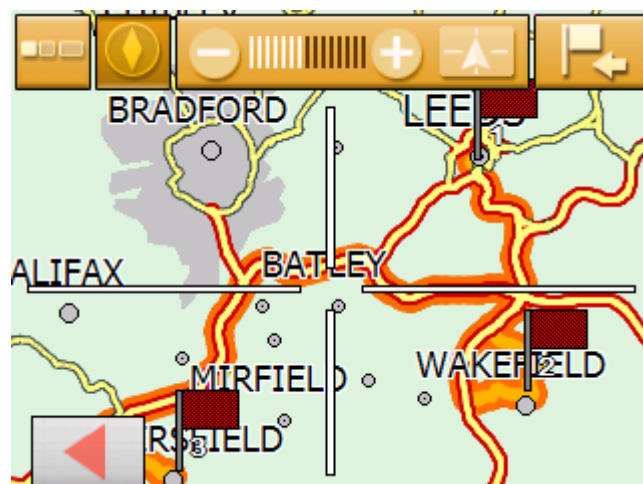
2. Tap on the **Route** button.

The **ROUTE** screen opens.



3. Tap on the **Show Route** button.

The map opens in the **SEARCH FOR DESTINATION** view.



The route is highlighted in orange. The destination (in the case of a planned route, also the stage points) is labelled with a little flag.



Note: you can now **add** or insert an **interim destination**. Refer to chapter "Indicating destinations on the map" on page 38 for more information.

Next destination

Next destination

Next destination

This function is only available when you are navigating a route with at least one stage point and when you are working in extended mode.

Use this function if you want to skip the next stage point.

Example: You have planned an itinerary from your office to "Company A" and then to "Company B" and you are already on your way. Before you arrive at "Company A", a mobile phone call informs you that you need not visit "Company A".

Tap the **Next destination** button to navigate to the stage point after the next (here: "Company B").

The system recalculates the route. "Company B" will be your next destination.

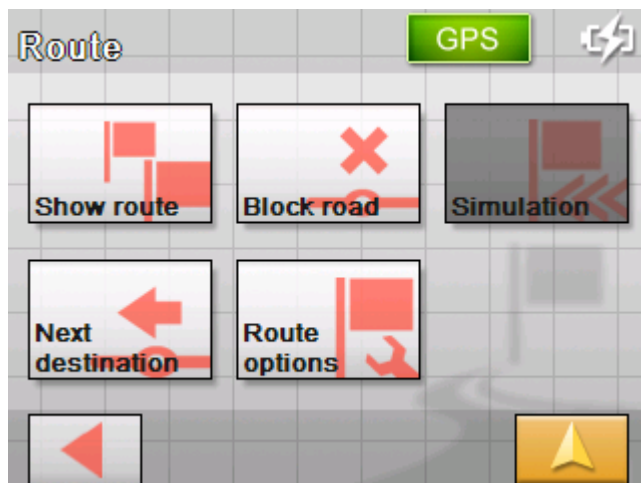
The map is open in the **STANDARD** view.

1. Tap anywhere on the map.

The **MENU** opens.

2. Tap on the **Route** button.

The **ROUTE** screen opens.



3. Tap on the **Next destination** button in order to head for the next but one route point (in the example: "company B").

The route is recalculated so that the next but one route point can be approached as the next destination.

Blocking a route section

Blocking a route section manually

You may block a route section manually in order to evade it. Manual blocking forces a recalculation of the route.

Presume that you are driving on a freeway and a radio message announces a traffic jam 4 miles ahead of your current position. With the "Block route sections" function you may instruct the navigation system to evade the announced traffic jam.

A manual blocking is only valid for the current navigation process. The respective route section will be unblocked for the next navigation or when you restart the software.

This is how you block route sections...

This function is only available during navigation.

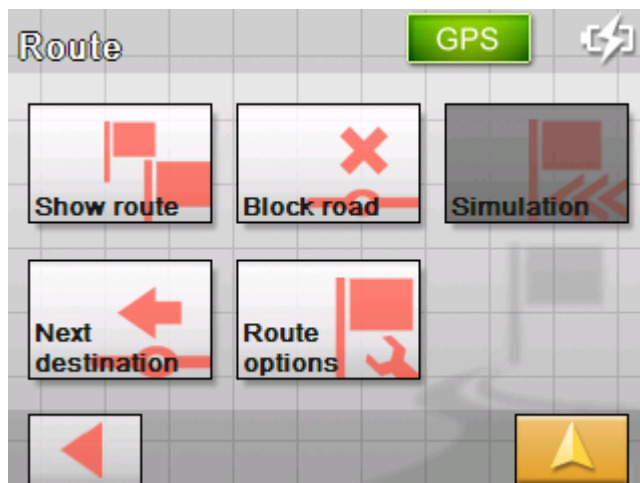
The map is open in the **STANDARD** view.

1. Tap anywhere on the map.

The **MENU** opens.

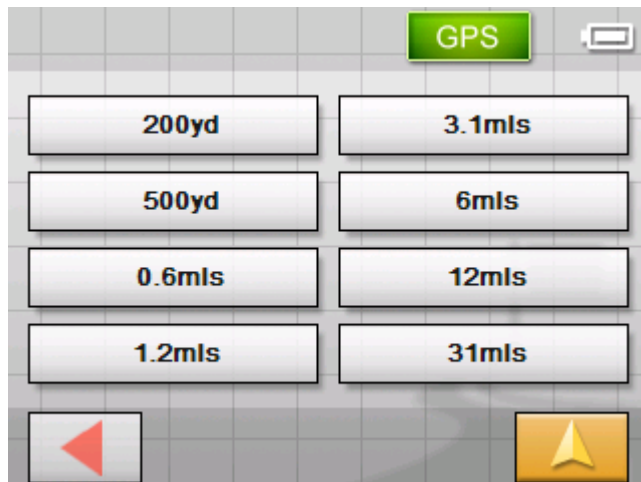
2. Tap on the **Route** button.

The **ROUTE** screen opens.



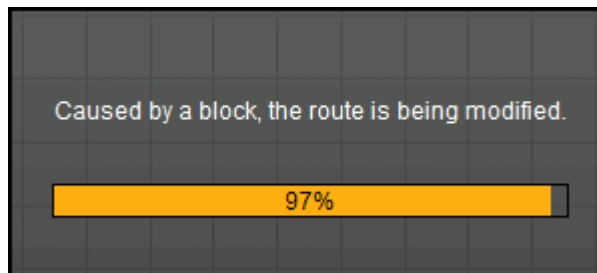
3. Tap on the **Block road** button.

The **Block** screen opens.



4. By tapping on the respective button, input how long the blocked route section should be.

The route is recalculated.

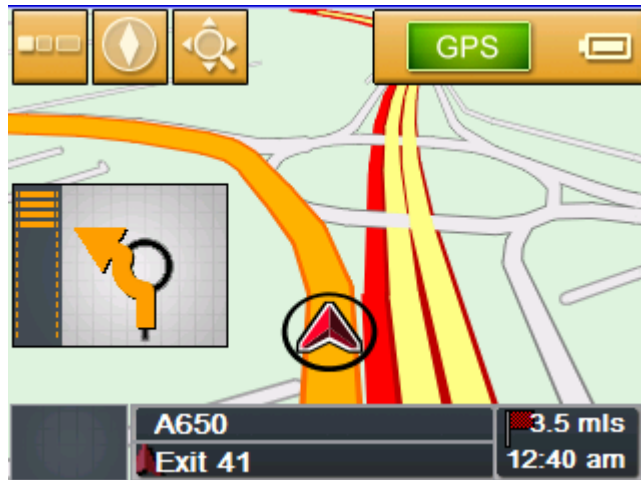


The **Block road** button is now coloured orange.





5. Tap on the **Map view** button to open the map again.



The blocked route section is highlighted in red. The route is shown in orange.

Unblocking

1. Open the **ROUTE** screen (see above)
2. Tap on the orange-coloured **Block road** button.

The block is lifted and the **Sony Personal Navigation System** continues to navigate to the originally calculated route.

Change route options

Overview

You can change the route options during navigation, perhaps because you now no longer wish to use a motorway.

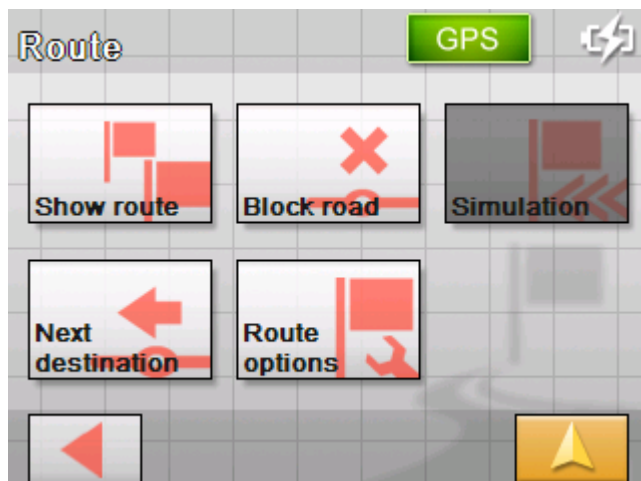
This is how you change the route options...

This function is only available during navigation.

The map is open in the **STANDARD** view.

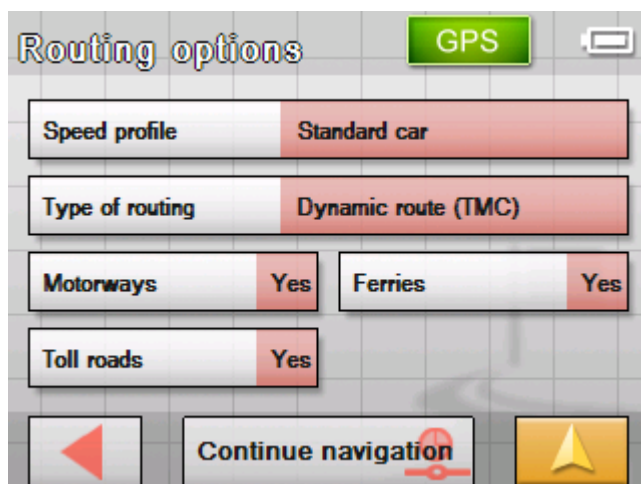
1. Tap anywhere on the map.
The **MENU** opens.
2. Tap on the **Route** button.

The **ROUTE** screen opens.



3. Tap on the **Route options** button.

The **ROUTING OPTIONS** screen opens.



4. Carry out the required change to the route options.



Refer to chapter "Routing options" on page 88 for detailed information on changing route options.

The route is recalculated. The navigation continues taking into consideration the new route options.



Note: these changes apply only to the current navigation. After this the settings that have been established in the **ROUTING OPTIONS** screen shall apply.

Simulation

Overview

Once you have planned and calculated a route, you can launch a simulated navigation. Refer to chapter "Simulating the route" on page 57 for more information.



Note: The reception of GPS-signals is not necessary for the simulation.

Simulation is restricted to routes of 60 miles max.

TMC

TMC-receiver

If your navigation device is being used in a TMC cradle, the system avails itself of the current traffic reports and can, if necessary, dynamically change the route in order, for example, to avoid a traffic jam. You can display the current valid traffic reports.



Note: compared to the standard cradle, the TMC cradle includes a module to receive TMC messages. You can recognize the TMC module from the TMC lettering on the left.

When the device is not being used in a TMC cradle, the **TMC** button is not shown.



1. Tap the **TMC** icon.

The **TMC** screen opens.



Displaying traffic information...

2. Use the arrow icons of the "Messages" section to display the next / previous traffic message.

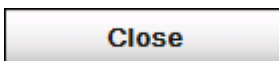
Every message contains the country, the name or number of the street (motorway, main road, country road), the concerned road section and the kind of obstruction.

Updating traffic information

3. Tap the **Update** icon to display traffic information that has been received since the **TMC** screen has been opened.



Closing the TMC screen



4. Tap the **OK** icon to close the **TMC** screen.

Considering TMC information for route calculation

The following screen informs you about a reported instruction concerning your route:



Evade

Tap the **Evade** button to evade the reported obstruction.

The route will be recalculated in order to evade the obstruction.

Ignore

Tap the **Ignore** button to ignore the reported obstruction.

Considering TMC information at a later moment



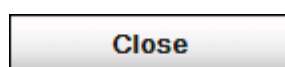
If you have selected "Route modification **With confirmation**", you may evade or ignore a reported obstruction at a later moment. Proceed as follows:

1. Tap the **TMC** symbol.

The **TMC** screen opens:



2. Use the arrow icons of the "Messages" section to search for an obstruction concerning your route. These obstructions are labelled "on the route".
3. Tap the **Status** button and select whether the respective obstruction is to be **Evaded** or **Ignored**.
4. Tap the **Done** icon to update the route. The system recalculates the route if necessary.



Tuning

Tuning

1. Tap the **Tuning** button to toggle between the **Auto tuning**,

Hold station, and Frequency input modes.

Auto tuning

In **Auto tuning** mode, the TMC module searches continually for the station which is best received. The name and the frequency of the station are being displayed.

- 1a Use the arrow keys of the "Station" section to receive another station.

As soon as another station has been found, its name and frequency are being displayed.

Hold station

If you want to hold the sender that is currently being received, press straight on the centre of the cursor pad as often as necessary to display **Hold station**.

The TMC receiver holds now this station. Nevertheless, it changes the frequency when the same station is better received on another one.

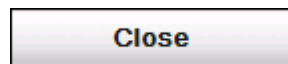
The name of the station and the frequency on which it is currently being received are being displayed.

Frequency input

If you want to enter a certain frequency switch to the **Frequency input** mode.

- 1a Use the arrow keys of the "Station" section to modify the frequency in steps of 0.1 MHz.

If a station may be received on the currently tuned frequency its name is being displayed. The bars at the right of the frequency indicate the quality of reception.



Press the **OK** soft key to save the settings and to close the **TMC INFORMATION** screen.

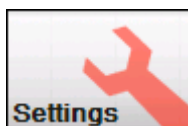
Configuring the Sony Personal Navigation System

Topics covered in this chapter:

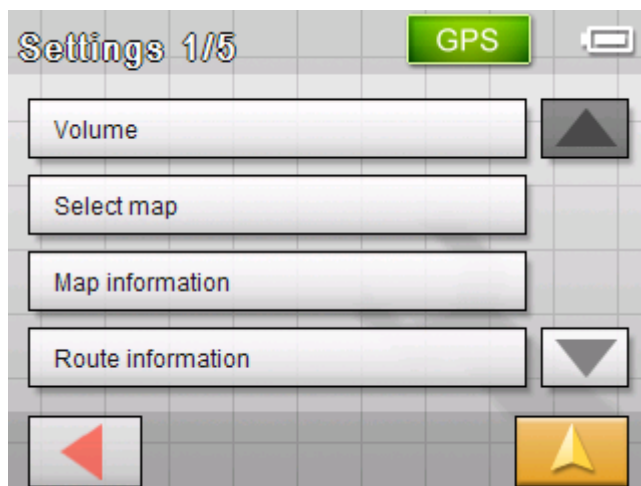
Settings	page 84
Volume	
Select map	
Map information	
Route information	
Signpost information	
Light sensor	
Graphical look	
Touch screen calibration	
Auto mode	
Routing options	
Itinerary	
Time zone	
Format	
Language	
Home address	
Radio-Muting	
Demo mode	
Product information	

Settings

1. On the **MENU**, tap on the **Settings** button.



The **SETTINGS** screen opens.



2. Use the **Down** and **Up** buttons to open the screen page that has the settings you wish to edit.
3. Tap on the button for the respective setting.
The screen opens.
4. Carry out the required changes.
5. Tap on the **Save** button to enable these changes.



6. Tap on the **Back** button in order to open the settings screen again.

- OR -

Tap on the **Map view** button to open the map in standard view.



The following describes the individual settings screens.

Volume

Volume

On the **VOLUME** screen, modify the volume of the spoken indications of the navigation system.

Tap the **Volume** field and select another value.

Select map

Select map

In the **SELECT MAP** screen you can choose a different map from your device.

To do this, tap on the **Map** field and select a different map.

You can edit the maps that should be available by using the **Installer tool**. This can be found on the supplied software DVD.

Use ActiveSync® to connect the navigation device with your computer and insert the DVD.

The Installer tool starts automatically. Follow the on-screen instructions.

Map information

Info on the map

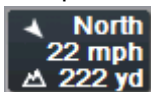
On the **MAP INFORMATION** screen, you may effect the following modifications:

Element	Signification
Points of Interest	Tap the respective command button to display (On) or not (Off) Points of Interest on the map.
Street names	Tap the respective command button to display (On) or not (Off) Street names on the map.

Route information

Route info

On the **ROUTE INFORMATION** screen, you may effect the following modifications:

Element	Signification
Distance to next destination	During navigation, shows the distance to the next destination and probable time of arrival.
Show street name	During navigation, shows the name of the street on which you are driving and the street you need to head for next.
Info bar	During navigation, shows the height above sea level, the speed and the point of the compass "north". 

Signpost information

Signpost information On the **SIGNPOST INFORMATION** screen, you may effect the following modifications:

The **Show traffic signs** command indicates whether signposts indicating exits from motorways or highways are currently being displayed or not.

Tap the **Show traffic signs** command to toggle between On and Off mode.

The new mode is now indicated on the button.



Note: This information can only be displayed when it is contained in the cartographic material.

Light sensor

Light sensor Your device has a light sensor. When it becomes too dark, it can switch the screen of your device to night mode. (Refer to the next chapter)

You can adjust the sensitivity of the light sensor in the **LIGHT SENSOR** screen.

Tap on the **Sensitivity** button and choose from **high**, **medium** or **low**.

The higher the sensitivity, the sooner the screen will switch over to night mode.

Graphical look

Graphical look On the Graphical look screen, you may effect the following modifications:

Setting	Signification
Map view	Set whether you want the map view to be day or night . Auto automatically changes the view as soon as the light sensor reacts. (Refer to previous chapter)
Brightness	Set whether you want the day or night brightness setting. Auto automatically changes the brightness as soon as the light sensor reacts. (Refer to previous chapter)
Brightness day	Select the brightness - day. (1-8)
Brightness night	Select the brightness - night. (1-8)

Touch screen calibration

Touchscreen calibration

If you think that the touch screen does not perceive contact positions correctly, the **Sony Personal Navigation System** may calibrate it.

Tap the **Start calibration** button and follow the instructions on the display.

Auto mode

Auto mode

On the **AUTO MODE** screen you can establish the settings for the map in the standard view:

Setting	Signification
Mode	Select the default map view: 2D or 3D .
3D Autozoom	Select the default for navigation with 3D view: Autozoom or No Autozoom . With Autozoom, the system changes the scale of the map depending on your current speed: When you drive slowly, the scale becomes small. When you drive fast, the scale becomes high.
2D Autozoom	Select the default for navigation with 2D view: Low Autozoom , Standard Autozoom , High Autozoom , or No Autozoom . With Autozoom, the system changes the scale of the map depending on your current speed: When you drive slowly, the scale becomes small. When you drive fast, the scale becomes high. The lower the Autozoom, the lower the scale.
2D View	Select the default for navigation with 2D view: North oriented or In driving direction .



Note: these settings have no influence on the **Search for destination** map view (with the crosshair).

Routing options

Routing options

On the **ROUTING OPTIONS** screen, indicate your speed profile. This entry will have an effect on the calculation of the remaining time and of the **estimated time of arrival (ETA)**.

1. Tap the **Speed profile** button. Select one of the available profiles and tap **OK**.
2. Tap the **Type of routing** field and select one of the following options:

Option	Signification
Dynamic route (TMC)	This option is only available when a TMC receiver is connected. With this option, the quickest route will be calculated. Reported traffic obstructions on your route will be considered automatically. The Fast route is being calculated when TMC is not received.
Fast route	The quickest route will be calculated.
Short route	The shortest route will be calculated.

3. Tap the **Motorways**, **Ferries**, and **Toll roads** fields successively and select one of the following options:

Option	Signification
Yes	The respective kind of street will be regarded for route calculation.
No	The respective kind of street will be disregarded for route calculation.

Itinerary

Proceeding automatically to the next stage point...

On the **ITINERARY** screen, determine whether you want to navigate automatically to the next stage point after having reached a stage point (Yes) or not (No).

Tap the **Proceed automatically to the next stage point** button to toggle between Yes and No.

If you don't proceed automatically, you may proceed as follows:

1. In navigation mode, tap short on any place on the map.
2. Select **Next destination**.

Time zone

Calculation of arrival times

On the **TIME ZONE** screen, select the time zone of the region you are currently staying in. This is necessary for the system to indicate correct times of arrival in navigation mode.

Element	Signification
Time zone	Tap this entry field to select the time zone of the region you are currently staying in.
Daylight saving time	Tap this entry field to switch between daylight saving time (yes) and standard time (no).



Note: If there is a clock change or if you are travelling into another time zone, you will have to adjust the respective setting.



Refer to chapter "Basic settings" on page 25 for more information.

Format

Units

On the **FORMAT** screen, determine which units are to be used for time and distance indications.

Setting	Signification
Time	Tap the Time field to toggle between 12 hours (AM/PM) and 24 hours time format.
Distance	Tap the Distance field to toggle between kilometres or miles distance units.

Language

Language

In the **LANGUAGE** screen you can set in which language you would like to have the user interface for the software and the spoken driving instructions.

The software restarts when you change the language.

You can use the Installer tool (on the software DVD) to set which languages are available.

Use the ActiveSync® to connect the navigation device to your computer and then insert the DVD.

The **Installer tool** starts automatically. Then follow the on-screen instructions.

Home address

Home address

On the **HOME ADDRESS** screen, you may save your home address to quickly start navigation homewards from anywhere.

Tap **Enter your home address**.

The **NAVIGATION** screen opens.

3. Tap the **Address** button and enter your home address as described in "Entering an address", page 29.
4. Tap the **Set as home address** button.

The address is indicated on the **HOME ADDRESS** screen.

Radio-Muting

Radio-Muting

On the **RADIO-MUTING** screen, you may activate the radio-mute function if your hands-free kit is connected to the RADIO-MUTING jack of your car radio. Possible retardations of the hands-free kit will then have no negative effects on the spoken indications of the navigation system.

Demo mode

Demo mode

On the **DEMO MODE** screen you can set whether or not demo mode should be started if you have not used the device for 5 minutes and you are not in the middle of navigating.

The demo mode simulates navigation in Monaco. You can end it by tapping anywhere on the touch screen.

You can switch immediately to demo mode by pressing the **Start demo** button.

Product information

Product information

On the **PRODUCT INFORMATION** screen, the name and the version of the software are displayed.

Tap **Show intro** to make the system explain its most important functions.

Glossary

<i>COM-port</i>	A COM port is a connector to a communications interface, usually the serial port. The ports are numbered by a number behind "COM". A communications interface is designed to connect hardware like a mouse or a GPS receiver.
<i>GMT</i>	GMT (Greenwich Mean Time) is the mean solar time at the Royal Greenwich Observatory in Greenwich near London, England, which by convention is at 0 degrees geographic longitude. Theoretically, noon Greenwich Mean Time is the moment when the Sun crosses the Greenwich meridian (and reaches its highest point in the sky in Greenwich). Up to 1972, GMT was the global time standard. Because of the Earth's uneven speed in its elliptic orbit, GMT has been replaced by UTC (Universal Time Coordinated) which is an ultra stable time standard based on atomic clocks.
<i>GPS</i>	The GPS (Global Positioning System) is based on 24 satellites that are in orbit round the earth. They are permanently emitting the time and their current position. The GPS receiver receives this information and calculates the longitude and the latitude of its own current position. The signals of at least three satellites are needed to determine the longitude and the latitude. With the signals of at least four satellites the elevation may be calculated, too. The determination has an accuracy of about 3 yards.
<i>HDOP</i>	The H orizontal D ilution of P recision (HDOP) indicates the quality of position determination. Theoretically any value from 0 to 50 is possible. The smaller the value is, the more accurate is the position determination (value 0 = no deviation from the actual position). Values up to 8 are convenient for street navigation.
<i>POI</i>	P oint of I nterest (POI). See ➔Special destination.
<i>RDS</i>	R adio D ata S ignal (RDS) is a service offered by broadcasting stations. TMC information is broadcasted via RDS.
<i>Special destination</i>	Special destinations, also called POI (P oints of I nterest), are covered by the map and may be displayed on it. Harbours, airports, restaurants, hotels, petrol stations, public buildings, and others belong to the special destinations. You may determine special destinations as itinerary points for navigation purposes.
<i>TMC</i>	T raffic M essage C hannel (TMC) supplies your navigation system with the latest traffic information. A TMC module which is available as accessory receives the signals which are broadcasted by radio stations.

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