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ROUTE 66 Mobile 2005

The 1st onboard GPS navigation solution

for Symbian Series 60 Smartphone

User Manual

Version 1.0

July 2004

ROUTE 66: Best by a Mile!

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Introduction

"ROUTE 66 Mobile 2005" turns your Symbian smart phone all at a sudden into a powerful navigation system up to house number accuracy! After a short plug & play installation, turn-by-turn voice instructions and on-screen directions will guide you from your current position to the destination that you have entered. You can add any number of intermediate waypoints to your route that you may have selected from your personal contacts, your favourites and your most recent destinations as well. If you miss a turn, then "ROUTE 66 Mobile 2005" immediately recalculates your route. You can automatically download up-to-date traffic information from the ROUTE 66 internet site via a GPRS connection to your smart phone, even when you are on the road. This non-stop FREE service helps you via dynamic routing to avoid traffic jams, road works or accidents and is currently available in Great Britain, Germany, the Netherlands, France and Italy. What's more? You can display the map in night colours to keep a clear view on the road even when you are driving at night or in bird view to display the map as you would see it if you could fly like a bird. In addition to all this, you can navigate to any of the many points-of-interest like hotels, restaurants and petrol stations. You can even dial them directly to make for example a hotel reservation or inquiry before going there! In summary, "ROUTE 66 Mobile 2005" is a must for everyone looking for an affordable, flexible and powerful navigation system!

Contents

The "ROUTE 66 Mobile 2005" kit consists of the following items:

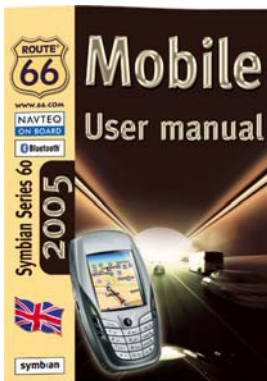
- **Reduced Size (RS) MultiMediaCard plus adapter.** Depending on the product that you have purchased the size of the MultiMediaCard will be 32 MB (Athens), 128 MB (Alps, Benelux and Iberian Peninsula) or 256 MB (Britain, France, Germany, Italy and Scandinavia).



- **Navigation software and entire geographic map** preinstalled on MultiMediaCard
- **Bluetooth GPS receiver**



- **ROUTE 66 lanyard** to wear the Bluetooth GPS receiver around your neck



- Smart phone NOT included in this packaging

Smart phone specifications

Your Symbian smart phone must have the following specifications:

- A free slot for an extra MultiMediaCard or Reduced Size MultiMediaCard
- Bluetooth wireless technology
- Symbian OS v6.1 or higher
- Series 60 platform 1.0 or higher
- Optional: a GPRS connection to download up-to-date traffic information
- For an up-to-date list of compatible smart phones, please consult our website at <http://www.66.com>
- Not compatible with Symbian UIQ and Windows Mobile

Supported smart phones:





Bluetooth GPS receiver

Features

The Bluetooth GPS receiver has the following features:

- Chipset: SiRF StarII
- High sensitivity 12 channels receiver
- Position accuracy: 10 meters
- Cold/Warm/Hot time-to-first-fix: 45/38/8 seconds
- Reacquisition time: 100 ms
- Supports NMEA-0183 and SiRF protocol
- Compatible with Bluetooth devices with Serial Port Profile (SPP)
- Battery life: > 10 hours
- Dimensions: 70 x 41 x 23 mm
- Weight: 60 grams
- Connection: Bluetooth
- LED display
- Power switch
- RF MCX connector for external GPS antenna
- Manufacturer: RoyalTek Company Ltd.

LED Display

The LED display consists of 3 LEDs that have the following meaning:

- **Battery Status LED (leftmost red/yellow LED)**
 - Red: the battery power is low, charging is required immediately.
 - Yellow: the battery is being charged.
 - Off: the battery is fully charged, the battery has adequate power.
- **GPS Status LED (green LED in the middle)**
 - Flashing green light: the GPS receiver is switched on and the GPS position is fixed.
 - Steady green light: the GPS receiver is switched on but the GPS position is not yet fixed.
- **Bluetooth Status LED (rightmost blue LED)**
 - Flashing blue light: the Bluetooth connection is established.

Getting started

To start using "ROUTE 66 Mobile 2005", you have to carry out the following steps:

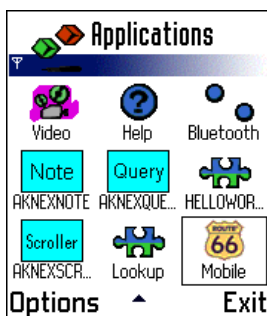
- **Step 1: Charge the battery of the Bluetooth GPS receiver**
 1. Before you can use the Bluetooth GPS receiver, the battery has to be fully charged. In order to do so, you have to connect the charger cable to the power jack of the GPS receiver and to plug it into the cigarette lighter outlet of your car. While the battery is being charged, the Battery Status LED will show a yellow light. Note that the Bluetooth GPS receiver standard comes with a fully charged battery.
 2. As soon as the battery is fully charged, the Battery Status LED will turn off. Now you can unplug the charger cable from the GPS receiver and from the cigarette lighter outlet of your car.
- **Step 2: Switch on the Bluetooth GPS receiver and wait for a fixed GPS position**
 1. After you have switched on the Bluetooth GPS receiver, the GPS Status LED will initially show a steady green light to indicate that the GPS position has not been fixed yet.
 2. After the position has been fixed, the GPS Status LED will change into a flashing green light. Now the Bluetooth GPS receiver is ready to be connected to your smart phone.
- **Step 3: Insert the MultiMediaCard into your smart phone and launch "ROUTE 66 Mobile 2005"**
 1. In case your smart phone only supports Reduced Size MultiMediaCards (see the documentation of your smart phone) you have to remove the adapter.
 2. Insert the MultiMediaCard into your smart phone. See the documentation of your smart phone for how to insert the MultiMediaCard.



3. Switch on your smart phone and launch "ROUTE 66 Mobile 2005".
- **Step 4: Activate "ROUTE 66 Mobile 2005"**
 1. If you are launching "ROUTE 66 Mobile 2005" for the first time, you are automatically requested to activate the product. See below how to activate your product.
 - **Step 5: Start navigating**
 1. Select **Start** from the **Options** menu, enter a search text that contains information about the address where you want to go, press **Options** and select **Search**, select your destination from the list of search results, press **Options** and select **Navigate to**.
 2. As soon as you select **Navigate to**, the smart phone will automatically carry out a search for Bluetooth devices in your neighbourhood. Select the Bluetooth GPS receiver and set it as the **Default GPS receiver**.
 3. After the Bluetooth connection between the smart phone and the Bluetooth GPS receiver has been established, the Bluetooth Status LED will show a flashing blue light and you can start navigating.

Product activation

Before you can start using "ROUTE 66 Mobile 2005", you have to activate the product first. In order to do this, you should go to the **Applications** view, push the joystick up or down and left or right to select "ROUTE 66 Mobile", next press **Options** and select **Open**.



This opens the **Product activation** view.



You can now press **Options** and select:

- **Preferences** to select the language of the user interface and voice prompts. You should go to **Language** to change the language and to **Select map** to select the map that you want to activate. After you have done so you should press **Back**.



- **Activate via SMS** > to open the view in which you have to enter the **Product key**.



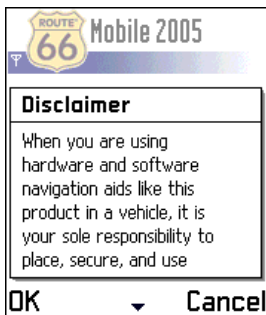
Enter the 8-character **Product key** that you can find on the **Quick Reference Card**. Note that the product key is not case sensitive. If you do not wish to be informed about new ROUTE 66 products and free updates, push the joystick down and press it to deselect the checkbox. Next press **Activate**. A message will be displayed to confirm that your **Product key** was sent via the Short Message Service (SMS) to the ROUTE 66 Product Activation Server.



Depending on your physical location and your network provider, the time between sending the **Product key** to the ROUTE 66 Product Activation Server and receiving the **Activation key** back from the ROUTE 66 Product Activation Server may take up to 15 minutes! During this time the following screen will be shown:



As soon as you receive back the SMS containing the **Activation key**, you will see the following **Disclaimer** text:



Please read the **Disclaimer** carefully and press **OK** to confirm that you agree with it. Next you will be asked if you want to see the **Disclaimer** when launching "ROUTE 66 Mobile 2005" next time:



Press **OK** to skip the **Disclaimer** when launching "ROUTE 66 Mobile 2005" again. After you have done so you will see the ROUTE 66 splash screen and you will hear the text "Welcome to ROUTE 66!" at the same time.



This completes the product activation.

Important: please note that the following restrictions apply to the use of the **Product key**:

- You can use the same **Product key** on the same smart phone using different SIM cards as many times as you want.
- You can use the same **Product key** on a second smart phone using different SIM cards only 1 week after the first activation.
- You can use the same **Product key** on a third smart phone using different SIM cards only 1 month after the first activation.
- It is strongly recommended not to delete the SMS containing the **Activation key** so that you can use the same **Activation key** later again.

Description of the menus

Below you can find a description of the menus of "ROUTE 66 Mobile 2005".

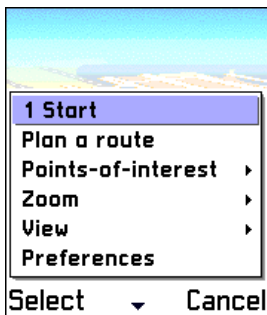
Map view

When you are in the **Map** view, you can press **Options** and select:

- **1 Start*** (press 1) to start searching for an address, point-of-interest, favourite, contact or recent destination on which different operations can be performed (see **Start**).
* Select this option if you want to start navigating with your Bluetooth GPS receiver to a single destination without any intermediate waypoints.
- **Plan a route**** to define a list of waypoints that can be used for navigation or to calculate a route (see **Plan a route**).
** Select this option:
 1. if you want to calculate a route just to obtain a route description. While doing this, your Bluetooth GPS receiver does not have to be connected to your smart phone.
 2. if you want to navigate with your Bluetooth GPS receiver along a route that consists of multiple waypoints.
- **Points-of-interest >** to search for points-of-interest like hotels, restaurants or petrol stations.
 - **around cursor** to search for points-of-interest like hotels, restaurants or petrol stations around the current position of the cursor on the map.
 - **around GPS position** to search for points-of-interest like hotels, restaurants or petrol stations around the current GPS position.
 - **around departure** to search for points-of-interest like hotels, restaurants or petrol stations around the point of departure of the route.
 - **around destination** to search for points-of-interest like hotels, restaurants or petrol stations around the destination of the route.
- **Zoom >**
 - **to GPS position** to zoom to the current GPS position (only enabled if a GPS receiver is connected to the smart phone).

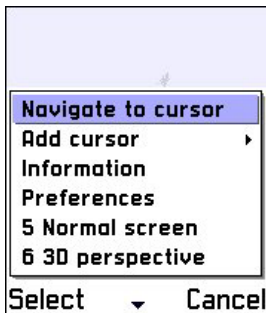


- **to entire map** to display the entire map.
- **to route** to zoom to the route (only enabled if a route has been calculated).
- **to departure** to zoom to the departure point of the route (only enabled if a route has been calculated).
- **to destination** to zoom to the destination point (only enabled if a route has been calculated or when you are navigating).
- *** in** (press *) to zoom in on the map.
- **# out** (press #) to zoom out on the map.
- **View >**
 - **2 Turn arrows** (press 2) to display the turn-by-turn arrows (see **Turn arrows**).
 - **GPS Information** (press 3) to display the GPS information (only enabled if a GPS receiver has been connected, see **GPS Information**).
 - **TMC Information** (press 4) to display the list of traffic messages (see **TMC Information**).
 - **Route description** to display the list of driving directions (only enabled if a route has been calculated, see **Route description**).
 - **Legend** to display the list of different map items and their colours (see **Legend**).
 - **About Mobile 2005** to display the copyright information and version number.
- **Preferences** to customize the application (see **Preferences**).



Tip: pressing the joystick reveals some shortcuts. Here they are:

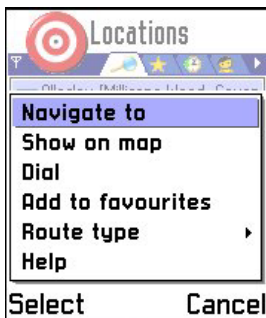
- **Navigate to cursor** to navigate to the current position of the cursor on the map.
- **Add cursor >** to add the current position of the cursor on the map to the favourites or to the waypoints.
- **Information** to display a label with information about a specific item on the map.
- **Preferences** to customize the application (see **Preferences**).
- **5 Normal/Full screen** (press 5) to switch between full screen and normal screen.
- **6 2D/3D perspective** (press 6) to switch between 2D and 3D perspective.
- **7 Day/Night colours** (press 7) to display the map in night colours or day colours.
- **8 Update TMC** (press 8) to update the list of traffic messages via a GPRS connection.
- **9 Sound on/off** (press 9) to switch between sound on and off.
- **0 Latest instruction** (press 0) to repeat the latest voice instruction.



Start

When you are in the **Start** view, you can press **Options** and select:

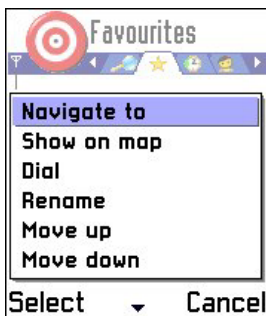
- **Locations >**
 - **Search** to search for an address, point-of-interest or the address of a contact (only enabled if you have entered at least two characters).
 - **Navigate to** to navigate to the selected item in the list.
 - **Show on map** to display the selected item in the list on the map.
 - **Dial** to directly dial the phone number of the selected item in the list (only enabled if a phone number is available).
 - **Add to favourites** to add the selected item in the list to the favourites.
 - **Route type >** to select the type of the route.
 1. **Fastest/Car** to set the fastest route by car as the type of the route.
 2. **Shortest/Car** to set the shortest route by car as the type of the route.
 3. **Fastest/Lorry** to set the fastest route by lorry as the type of the route.
 4. **Shortest/Lorry** to set the shortest route by lorry as the type of the route.
 5. **Pedestrian** to set the route for pedestrians as the type of the route.



- **Favourites >**
 - **Navigate to** to navigate to the selected item in the list.
 - **Show on map** to display the selected item in the list on the map.
 - **Dial** to directly dial the phone number of the selected item in the list (only enabled if a phone number is available).
 - **Rename** to rename the selected item in the list.
 - **Move up** to shift the selected item one position upward in the list.
 - **Move down** to shift the selected item one position downward in the list.



- **Delete** to delete the selected item from the list.
- **Delete all** to delete all items in the list.
- **Route type >** to select the type of the route.
 1. **Fastest/Car** to set the fastest route by car as the type of the route.
 2. **Shortest/Car** to set the shortest route by car as the type of the route.
 3. **Fastest/Lorry** to set the fastest route by lorry as the type of the route.
 4. **Shortest/Lorry** to set the shortest route by lorry as the type of the route.
 5. **Pedestrian** to set the route for pedestrians as the type of the route.



Tip: by changing the order of the tabs you can customize the application in such a way that you only need a few key strokes on your smart phone to start navigating. For example if you have made **Favourites** the first tab, then pressing "1", followed by "9" makes you start navigating to the 9th destination in your **Favourites** list.

- **History >**
 - **Navigate to** to navigate to the selected item in the list.
 - **Show on map** to display the selected item in the list on the map.
 - **Dial** to directly dial the phone number of the selected item in the list (only enabled if a phone number is available).
 - **Add to favourites** to add the selected item in the list to the favourites.
 - **Move up** to shift the selected item one position upward in the list.
 - **Move down** to shift the selected item one position downward in the list.
 - **Delete** to delete the selected item from the list.
 - **Delete all** to delete all items in the list.
 - **Route type >** to select the type of the route.
 1. **Fastest/Car** to set the fastest route by car as the type of the route.
 2. **Shortest/Car** to set the shortest route by car as the type of the route.
 3. **Fastest/Lorry** to set the fastest route by lorry as the type of the route.
 4. **Shortest/Lorry** to set the shortest route by lorry as the type of the route.
 5. **Pedestrian** to set the route for pedestrians as the type of the route.



Tip: by changing the order of the tabs you can customize the application in such a way that you only need a few key strokes on your smart phone to start navigating. For example if you have made **History** the first tab, then pressing “1”, followed by “9” makes you start navigating to the 9th destination in your **History** list.

- **Contacts >**
 - **Look up address** to look up the address of a contact.



Plan a route

Remark: select this option:

1. if you want to calculate a route just to obtain a route description. While doing this, your Bluetooth GPS receiver does not have to be connected to your smart phone.
2. if you want to navigate with your Bluetooth GPS receiver along a route that consists of multiple waypoints.

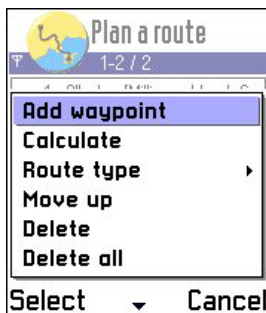
Tip: select **Start** if you want to start navigating with your Bluetooth GPS receiver to a single destination without any intermediate waypoints.

When you are in the **Plan a route** view, you can press **Options** and select:

- **Add waypoint** to search for an address, point-of-interest, favourite, contact or recent destination (see **Add waypoint**) and add as a waypoint to your route.
- **Calculate** to calculate the route between the waypoints (only enabled if at least two waypoints have been defined).
- **Route type >** to select the type of the route.
 1. **Fastest/Car** to set the fastest route by car as the type of the route.
 2. **Shortest/Car** to set the shortest route by car as the type of the route.

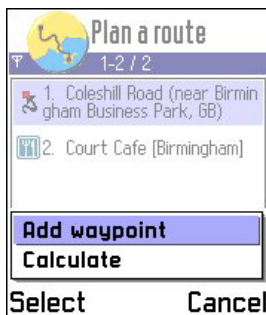


3. **Fastest/Lorry** to set the fastest route by lorry as the type of the route.
 4. **Shortest/Lorry** to set the shortest route by lorry as the type of the route.
 5. **Pedestrian** to set the route for pedestrians as the type of the route.
- **Move up** to shift the selected item one position upward in the list.
 - **Move down** to shift the selected item one position downward in the list.
 - **Delete** to delete the selected item from the list.
 - **Delete all** to delete all items in the list.
 - **Save route** to save the waypoints of the route for later use.
 - **Open route** to open a route that you have saved before.



Tip: pressing the joystick reveals some shortcuts. Here they are:

- **Add waypoint** to search for an address, point-of-interest, favourite, contact or recent destination (see **Add waypoint**) and add as a waypoint to your route.
- **Calculate** to calculate the route between the waypoints (only enabled if at least two waypoints have been defined).



Add waypoint

When you are in the **Add waypoint** view, you can press **Options** and select:

- **Locations >**
 - **Search** to search for an address, point-of-interest or the address of a contact (only enabled if you have entered at least two characters).
 - **Add as waypoint** to add the selected item in the list as a waypoint to the route.
 - **Show on map** to display the selected item in the list on the map.
 - **Dial** to directly dial the phone number of the selected item in the list (only enabled if a phone number is available).

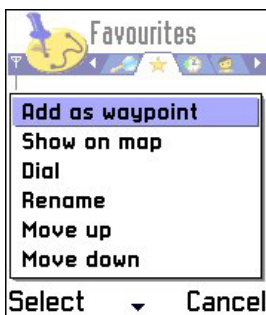


- **Add to favourites** to add the selected item in the list to the favourites.



- **Favourites >**

- **Add as waypoint** to add the selected item in the list as a waypoint to the route.
- **Show on map** to display the selected item in the list on the map.
- **Dial** to directly dial the phone number of the selected item in the list (only enabled if a phone number is available).
- **Rename** to rename the selected item in the list.
- **Move up** to shift the selected item one position upward in the list.
- **Move down** to shift the selected item one position downward in the list.
- **Delete** to delete the selected item from the list.
- **Delete all** to delete all items in the list.



- **History >**

- **Add as waypoint** to add the selected item in the list as a waypoint to the route.
- **Show on map** to display the selected item in the list on the map.
- **Dial** to directly dial the phone number of the selected item in the list (only enabled if a phone number is available).
- **Add to favourites** to add the selected item in the list to the favourites.
- **Move up** to shift the selected item one position upward in the list.
- **Move down** to shift the selected item one position downward in the list.
- **Delete** to delete the selected item from the list.
- **Delete all** to delete all items in the list.



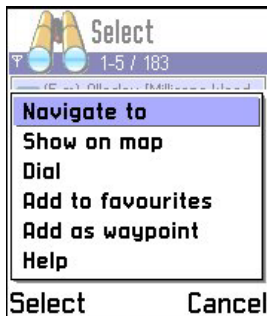
- **Contacts >**
 - **Look up address** to look up the address of a contact.



Select

When you are in the **Select** view and you have selected the radius in which you want to search for selected categories of points of interest, you can press **Options** and select:

- **Navigate to** to navigate to the selected item in the list.
- **Show on map** to display the selected item in the list on the map.
- **Dial** to directly dial the phone number of the selected item in the list (only enabled if a phone number is available).
- **Add to favourites** to add the selected item in the list to the favourites.
- **Add as waypoint** to add the selected item in the list as a waypoint to the route.



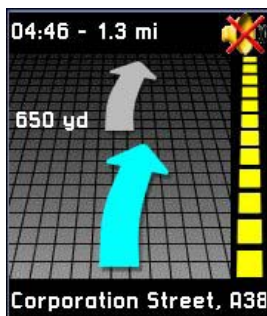
Turn arrows

When you are in the **Turn arrows** view, you can push the joystick up or down to step forward or backward through the route and to simultaneously hear the voice instructions.



Tip: pressing the joystick reveals some shortcuts. Here they are:

- **5 Normal/Full screen** (press 5) to switch between full screen and normal screen.
- **9 Sound on/off** (press 9) to switch between sound on and off.





GPS Information

When you are in the **GPS Information** view, you can monitor GPS data like the geographic coordinates, number of visible satellites, driving speed, driving direction, altitude, date and time.

GPS information
Satellites: 8

49° 17' 26.05" N
008° 36' 11.02" E

Altitude: 488 ft
Speed: 86.53 mph
Direction: 138°

Back

TMC Information

When you are in the **TMC Information** view, you can press **Options** and select:

- **Update** to update the list of traffic messages via a GPRS connection.

Traffic info.
6-7 / 65

M3 London - Basingstoke
14:28 05/05/2004
between Fleet Services and exit J4A Farnborough (A327) slow traffic. This situation is expected to continue for at least the next quarter an hour.

M4 Cardiff - Port Talbot
14:28 05/05/2004
between exit J38 (A48) and e

Options Back

- **Show on map** to display the selected item in the list on the map.

A1 Highgate (London) - Potters Bar
14:13 05/05/2004
between Borehamwood (A411) and Mill Hill London (A41) queuing traffic. This situation is expected to continue for at least the next quarter an hour.

- **Clear** to delete all traffic messages and calculate the route again.



Traffic information is available for selected countries and selected products (see the table below).

Product title	Availability of traffic information
ROUTE 66 Mobile Athens 2005	No
ROUTE 66 Mobile Alpenländer 2005 ROUTE 66 Mobile Pays Alpins 2005	No
ROUTE 66 Mobile Benelux ROUTE 66 Mobile Bénélux 2005	The Netherlands
ROUTE 66 Mobile Britain 2005	United Kingdom
ROUTE 66 Mobile Deutschland 2005	Germany
ROUTE 66 Mobile France 2005	France
ROUTE 66 Mobile Italia 2005	Italy
ROUTE 66 Mobile Península Ibérica 2005	No
ROUTE 66 Mobile Skandinavien 2005 ROUTE 66 Mobile Skandinavia 2005	No

Route description

When you are in the **Route description** view, you can press **Options** and select:

- **Show on map** to display the selected item in the list on the map.
- **Dial** to directly dial the phone number of the selected item in the list (only enabled if a phone number is available).



Legend

When you are in the **Legend** view, you can select:

- **Cities/Symbols** to show how cities and road numbers are displayed on the map.



- **Roads** to show how different types of roads are displayed on the map.



- **Areas/GPS** to show how areas and arrows are displayed on the map.



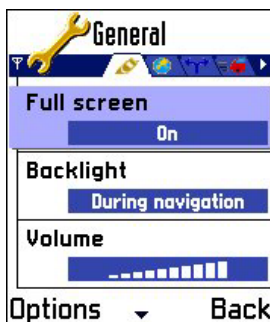
- **Icons** to show how points-of-interest are displayed on the map.



Preferences

When you are in the **Preferences** view, you can select:

- **General >**
 - **Full screen** to display the application on the entire screen (On/Off).
 - **Backlight** to select when the backlight of the screen should be switched on (Always on/During navigation/Always off).
 - **Volume** to adjust the volume of the voice instructions.
 - **Language** to select the language of the user interface and voice instructions.
 - **Units** to select the distance units (Kilometres/Miles).
 - **Order of tabs** to change the order of the Locations, Favourites, Contacts and History tabs.

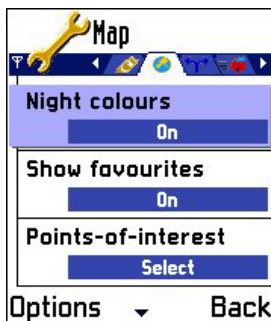


Tip: by changing the order of the tabs you can customize the application in such a way that you only need a few key strokes on your smart phone to start navigating. For example if you have made **Favourites** the first tab, then pressing “1”, followed by “9” makes you start navigating to the 9th destination in your **Favourites** list. Of course you create a similar behaviour with the destinations listed in the **History** list.

- **Map >**
 - **Night colours** to display the map in night colours (On/Off).
 - **Show favourites** to display the favourites on the map (On/Off).
 - **Points-of-interest** to select which categories of points-of-interest you want to display on the map.
 - **Rotate map** to rotate the map in the direction in which you are driving during navigation (On/Off).
 - **3D perspective** to display the map in 3D perspective (On/Off).
 - **Viewing angle** to adjust the angle under which the map is displayed in 3D perspective.

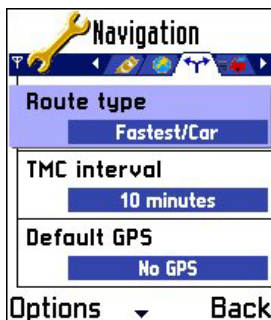


- **Scale** to display the scale on the map (On/Off).
- **Select map** to select which map you want to use.



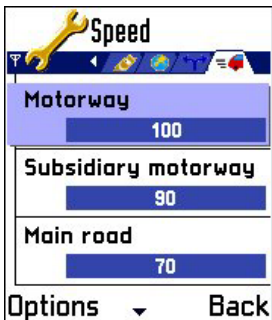
- **Navigation >**

- **Route type** to select the type of the route (Fastest/Car, Shortest/Car, Fastest/Lorry, Shortest/Lorry, Pedestrian).
- **TMC interval** to select the update interval of the traffic messages (Never, 10/20/30 minutes).
- **Default GPS** to select the default GPS receiver.
- **Default GPRS** to select the default GPRS connection (On/Off).
- **Avoid motorways** to avoid motorways when calculating a route (On/Off).
- **Avoid toll roads** to avoid toll roads when calculating a route (On/Off).
- **Avoid ferries** to avoid ferries when calculating a route (On/Off).
- **Time indication** to display the estimated time of arrival or remaining travel time (Arrival time/Travel time).
- **Automatic zooming** to automatically zoom in on the map near road intersections during navigation (On/Off).
- **Safety speed** to adjust the speed at which the arrows instead of the map are displayed.
- **Alarm speed** to set the speed at which you will be warned that you are driving too fast.
- **Alarm type** to select the type of alarm that will warn you when driving too fast (Acoustic alarm/Visual alarm).



- **Speed >**

to adjust the speeds on different types of road to reflect your personal style of driving.



Customer Support

If you have any questions regarding the use of "ROUTE 66 Mobile 2005", please send an e-mail to support@66.com. You can also visit the ROUTE 66 web site (<http://www.66.com/>) from time to time in order to stay informed about free updates and our latest offers.