



Portable Navigation

OWNER'S MANUAL MODEL: LN400/600

**Please read this manual carefully before
operating your Navigation device.
Retain it for future reference.**

**Designs and specifications are subject to
change without notice for improvement.**



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Notes for safety

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		

What is GPS?

The Global Positioning System (GPS) is a satellite-based navigation system made up of a network of 24 satellites placed into orbit by the U.S. Department of Defense. GPS was originally intended for military applications, but in the 1980s, the government made the system available for civilian use. GPS works in any weather conditions, anywhere in the world, 24 hours a day. There are no subscription fees or setup charges to use GPS.

Explanation Graphical Symbols:



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

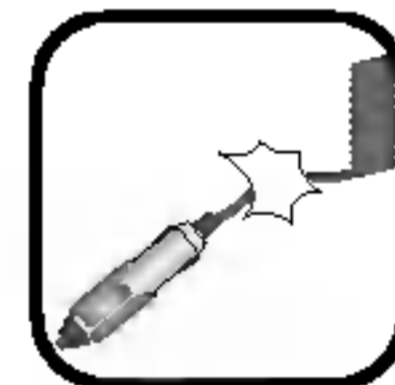
SD memory card

SD Memory Card in data terminal equipment may have little reserve capacity due to a map data. In this case, separate SD Memory Card should be purchased.

Notes for safety



Always operate the vehicle in a safe manner. Do not become distracted by the navigation while driving, and always be fully aware of all driving condition. Minimize the amount of time spent viewing the screen of the navigation while driving and use voice prompts when possible. Do not enter destinations, change settings, or access any functions requiring prolonged use of the unit's controls while driving. Pull over in a safe and legal manner before attempting such operations.



Do not kink or crease the power cable or place heavy objects on the power cable. Fire can result from damaged power cables.



Unplug the AC adapter during electrical storms. Electrical shock may result.



Do not handle power plug and adapter with wet hands. Electrical shock may result.



Immediately power off the player and unplug the AC adapter if smoke or odors emit from the player or adapter. Fire can result from improper use.



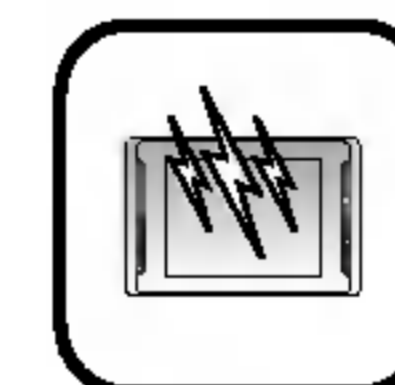
Make sure to insert the power plug tightly. Fire can result from improper use.



Use only the specified power adapter. Using a different type of adapter may damage the product.
(DC 10.5~16V)



The appliance is not intended for use by young children or infirm persons without supervision.



Note that malfunctions may occur if you use the product in places where static electricity occurs frequently.



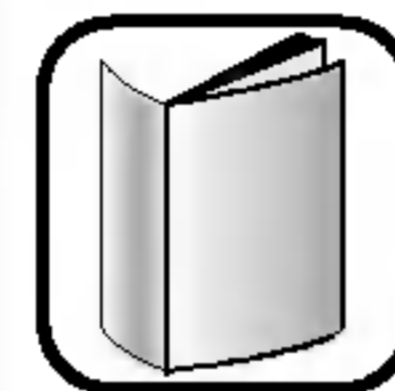
Do not use the product near water. Do not touch this product with wet hands.

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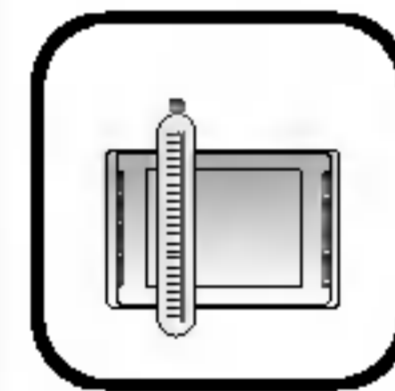
Notes for safety



Never attempt to disjoin or repair the product yourself.



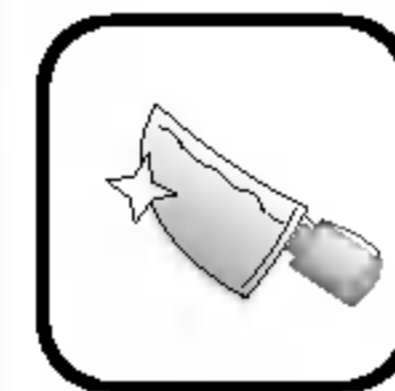
Never use the product for other purposes than those described in this guide.



Do not use for many hours at extremely low or high temperature.
(-10~60°C)



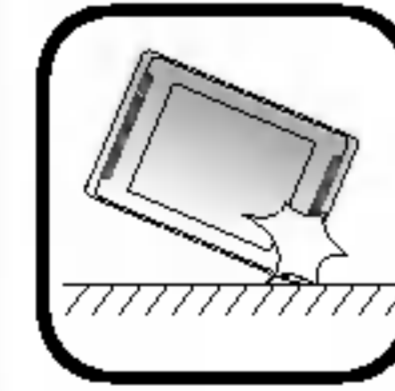
Avoid to leave the product in hot or humid place.



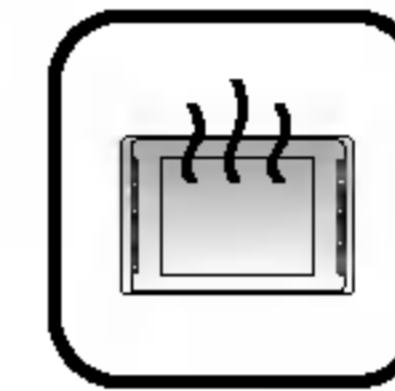
Take special attention when touching the product box, owners manual and accessories to avoid cuts.



While driving, keep the sound volume at a proper level.



Do not drop it and avoid heavy impact at anytime.



If the product emits an unusual odor or excessive heat, or you notice anything else that seems unusual, do not use the product and contact our Customer Service Center.



Always use soft and dry cotton cloth when cleaning the product. Use of water/detergent/benzene/surfactants as cleaning agents is strictly prohibited.



When attaching a navigation holder, remove impurities in the area to attach before attaching, and press suction button to avoid falling.

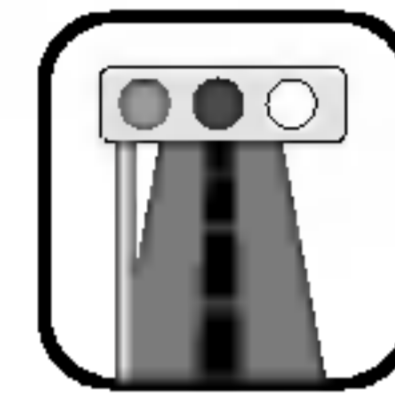


Do not pull out SD Memory Card during the operation of navigation program. It may cause a mechanical trouble.



Do not use a navigation in the extended period of time. It may result in discharge of battery.

Notes for safety



Please obey the practical traffic regulations.
For the safe drive, information on safe driving spot and frequently occurred accident spot is included.
Voice guidance and map route may differ from the actual traffic condition.



When moving the product, separate the power from cigar jack and separate the main body from holder or separate the holder from window before moving.

- If you attach the vacuum disk on the glass for a long period of time, the pressure in the disk slowly reduces and the vacuum disk falls off.
- Because it can be dangerous when the Navigation holder falls off from a sudden stop, install it close to the dashboard so that the dashboard can support the Navigation holder.
- If you apply too much force to adjust while the connecting arm is tightly fixed, it can deform the rubber disk connecting all the components.
- Even when the holder falls off, you can follow the instructions again to reinstall and use it.

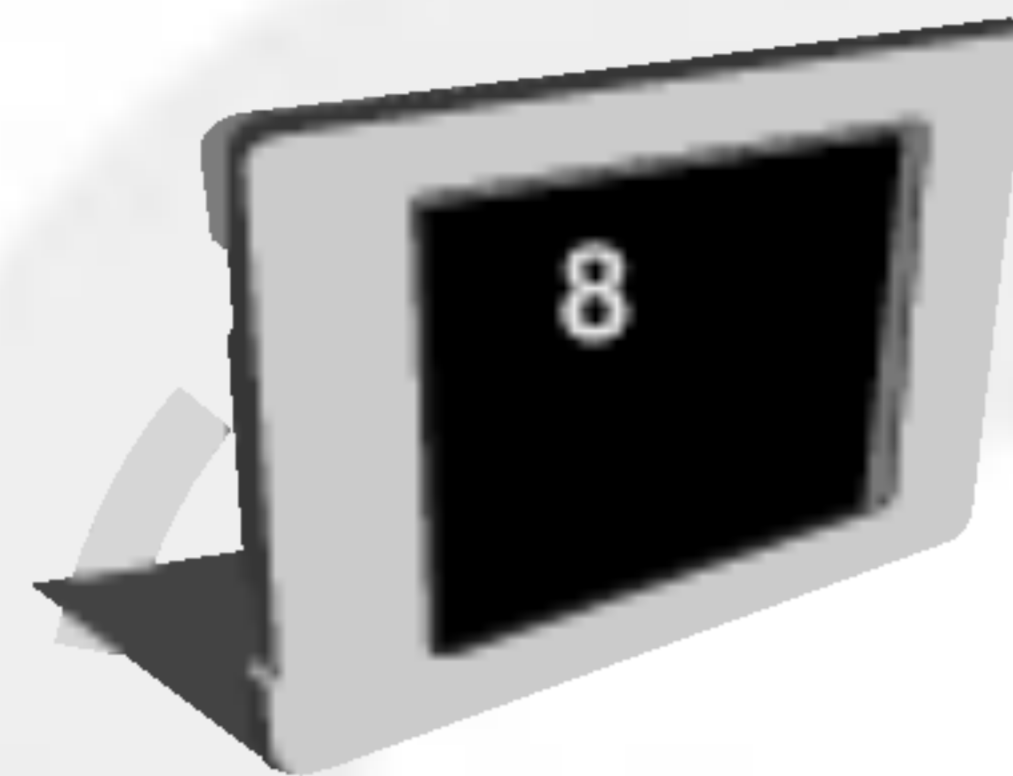
- Please note that damaged product due to negligence of the user cannot be returned or refunded.
- This unit does not support that two stations' map could be installed into the SD memory card.

Winter precautions

- The vacuum disk can easily come off from the glass due to differences in temperature between inside and outside the window.

Summer precautions

- When the vacuum disk is exposed to the hot sunshine for a long period of time, it can deform the rubber disk due to its characteristics.
- Remove the vacuum disk and store it separately when parking for a long period of time.
- The internally installed battery can be damaged when kept at direct sunlight in the car for a long period of time due to increased internal temperature. Separate the set and store it in a cool place. When the temperature of the battery rises, it can reduce the life span or cause an explosion.



Accessories



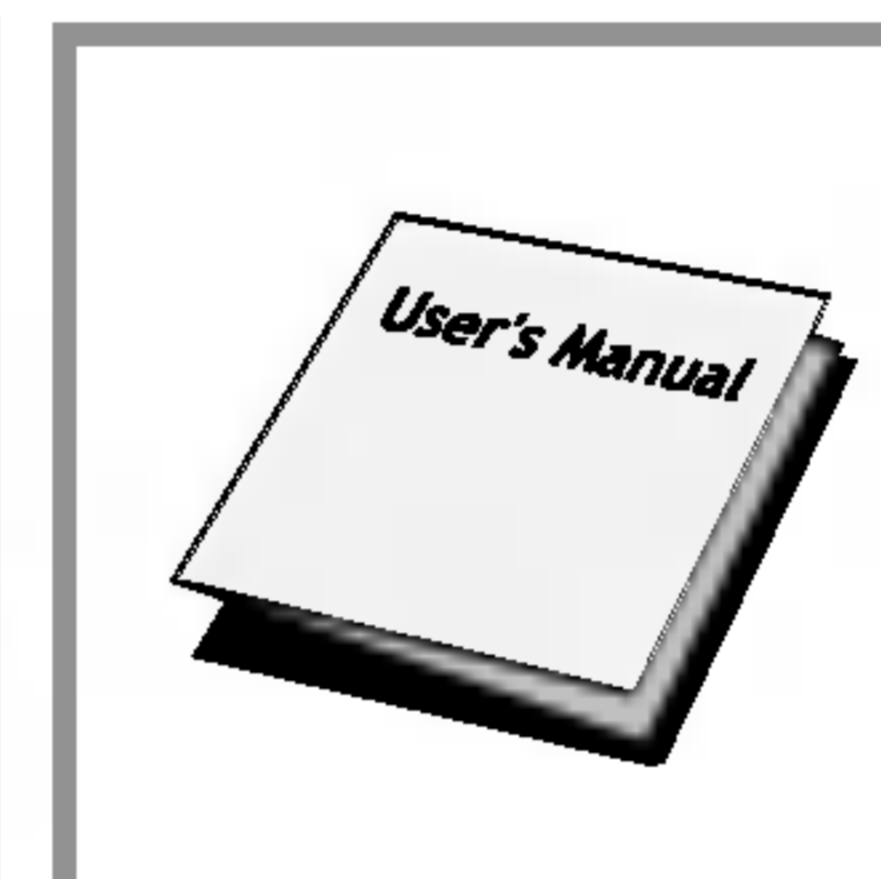
Main Set



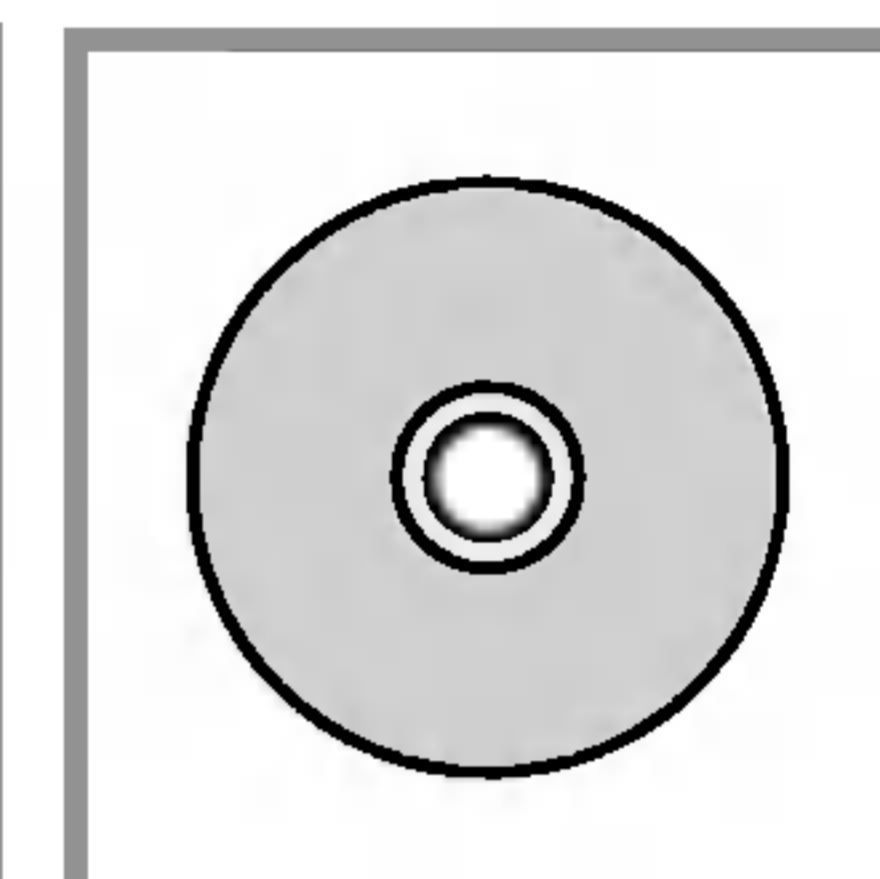
Cover Stand



Stylus Pen



Manual



Map CD



SD Memory Card



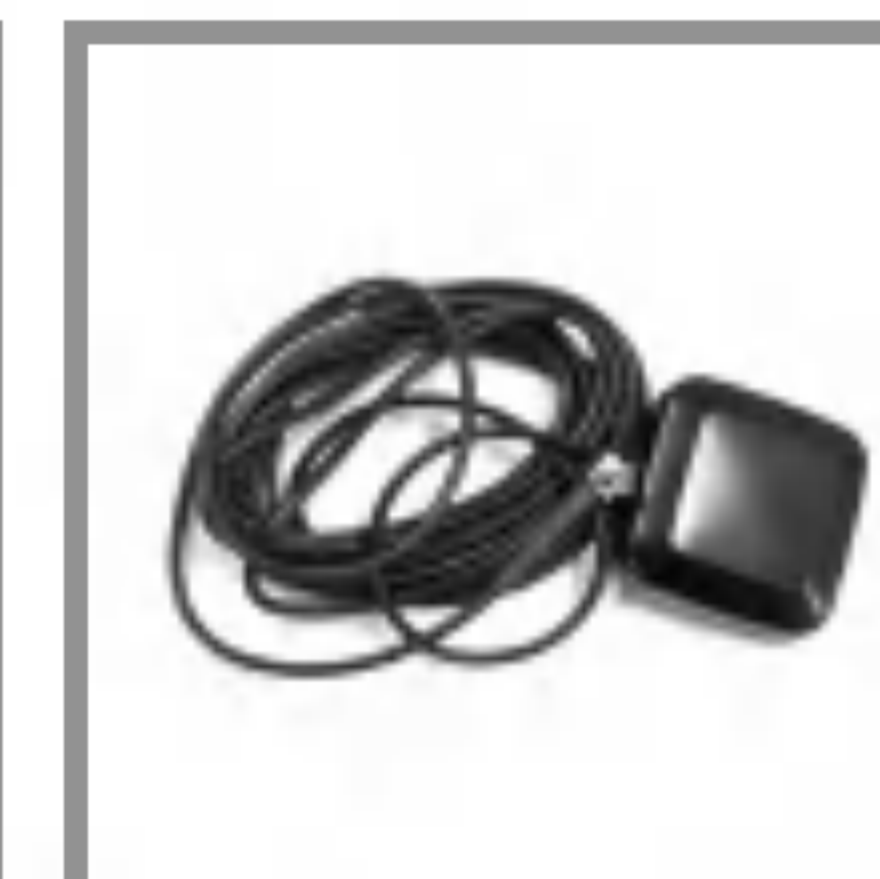
Suction-Cup Mount



Memory Reader



Cigar Light Adapter

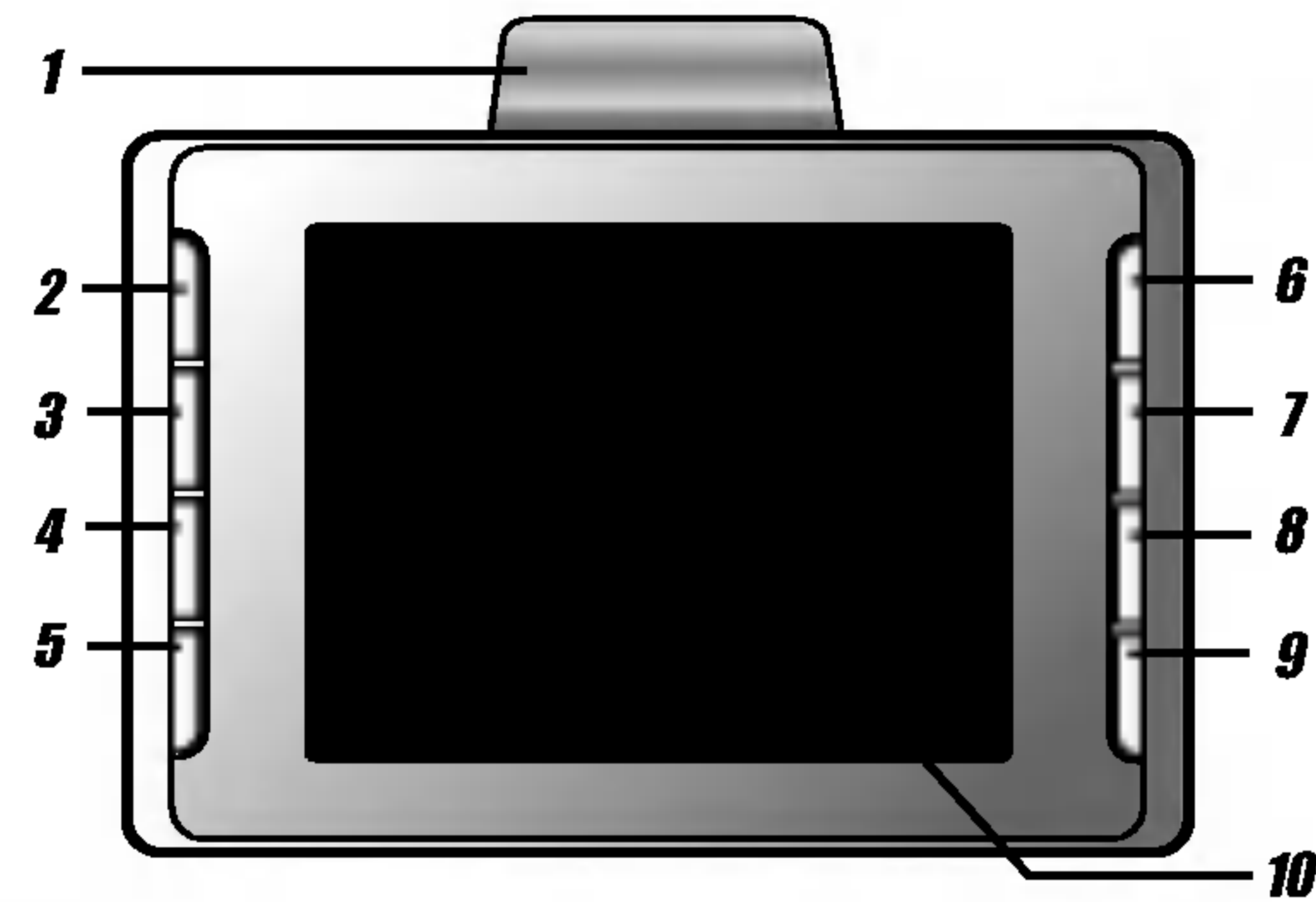



Exterior GPS (Optional)

Contents may be changed without notices.

Name of each part

Front panel



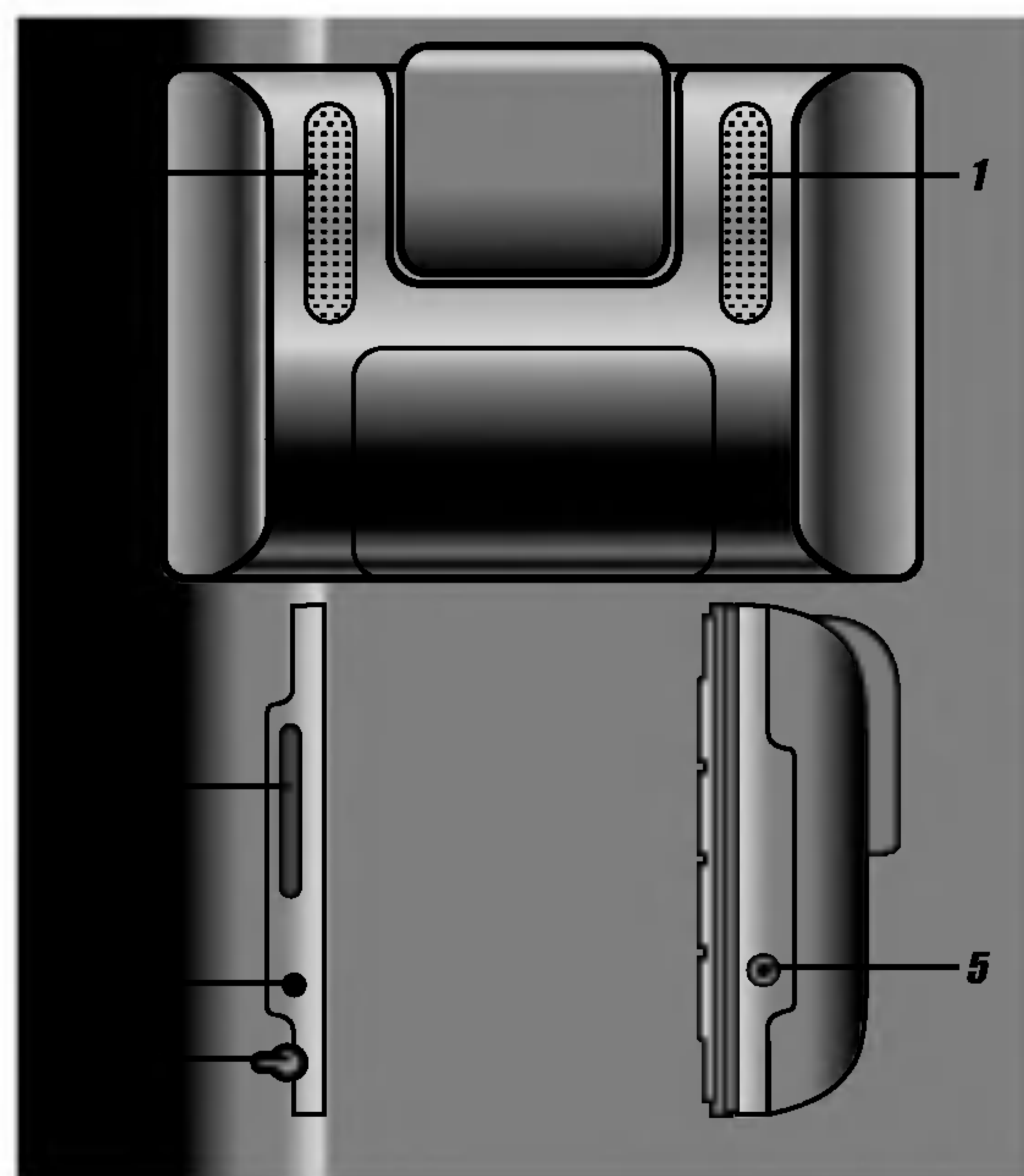
 To activate the menu function through LCD screen, press the screen with stylus pen or finger as a finger touch mode.

- 1 GPS Antenna**
Receive the satellite signals.
- 2 Power On - / Off - button**
(Press for a short time / Press for a long time)
- 3 Left LED**
Guidance function by flickering sign at the left turn in driving.
- 4 Zoom In button**
Enlarge the map level.
- 5 Zoom Out button**
Reduce the map level.
- 6 Home (Menu) button**
Move to the main menu screen/move to the previous screen.
- 7 Right LED**
Guidance function by flickering sign at the right turn in driving.
- 8 Volume Up**
Sound is louder.
- 9 Volume Down**
Sound is softer.
- 10 LCD**
Screen display according to menu.

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Name of each part

Side / Rear panel



- 1 Speaker**
Possible to get a voice guidance service.
- 2 Memory Card Slot**
Save the latest map.
- 3 Reset button**
Re-start the program in data terminal equipment.
- 4 Stylus Pen Pocket**
- 5 Power Supply Jack**



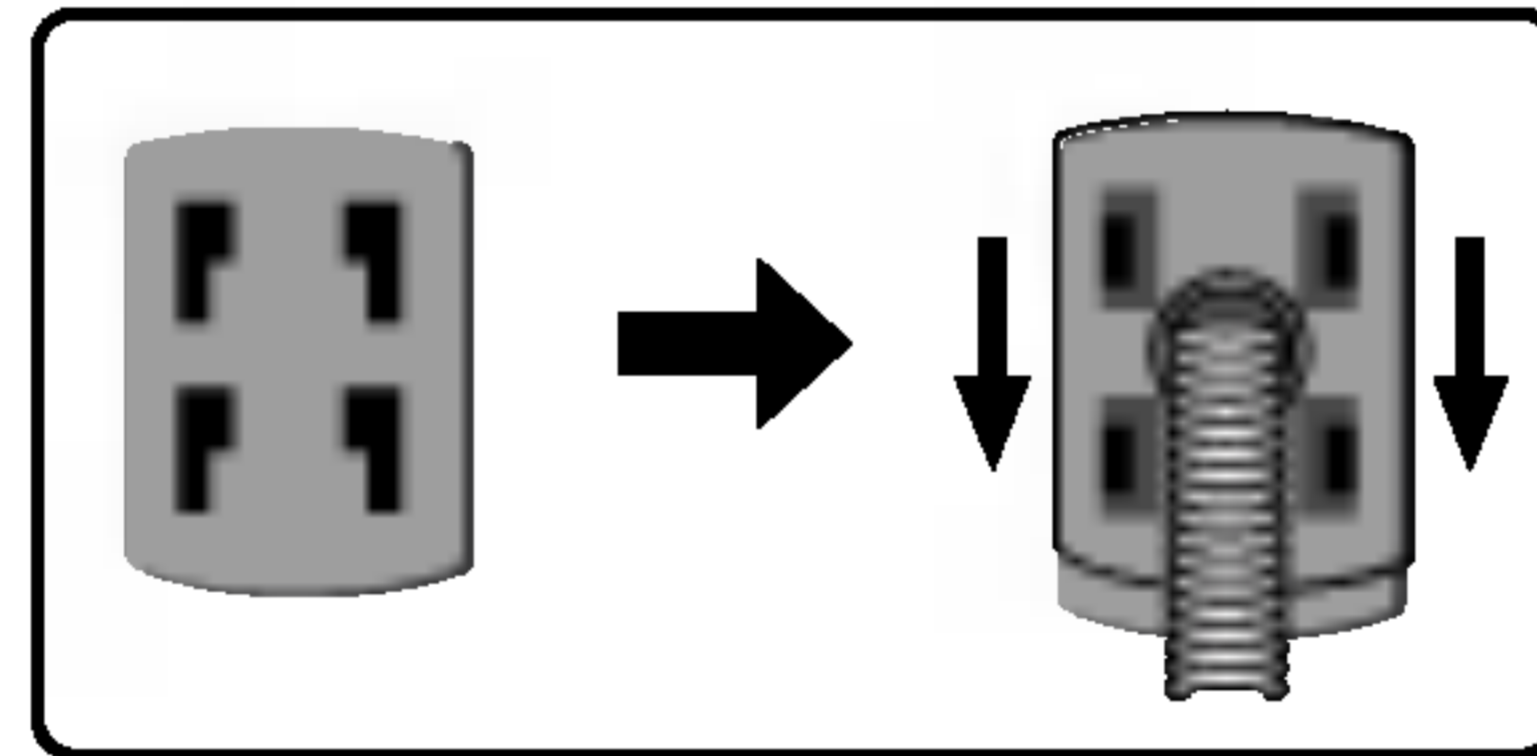
If deleting or altering the map data in SD Memory Card randomly, it may cause a trouble in the navigation function.

Connecting devices

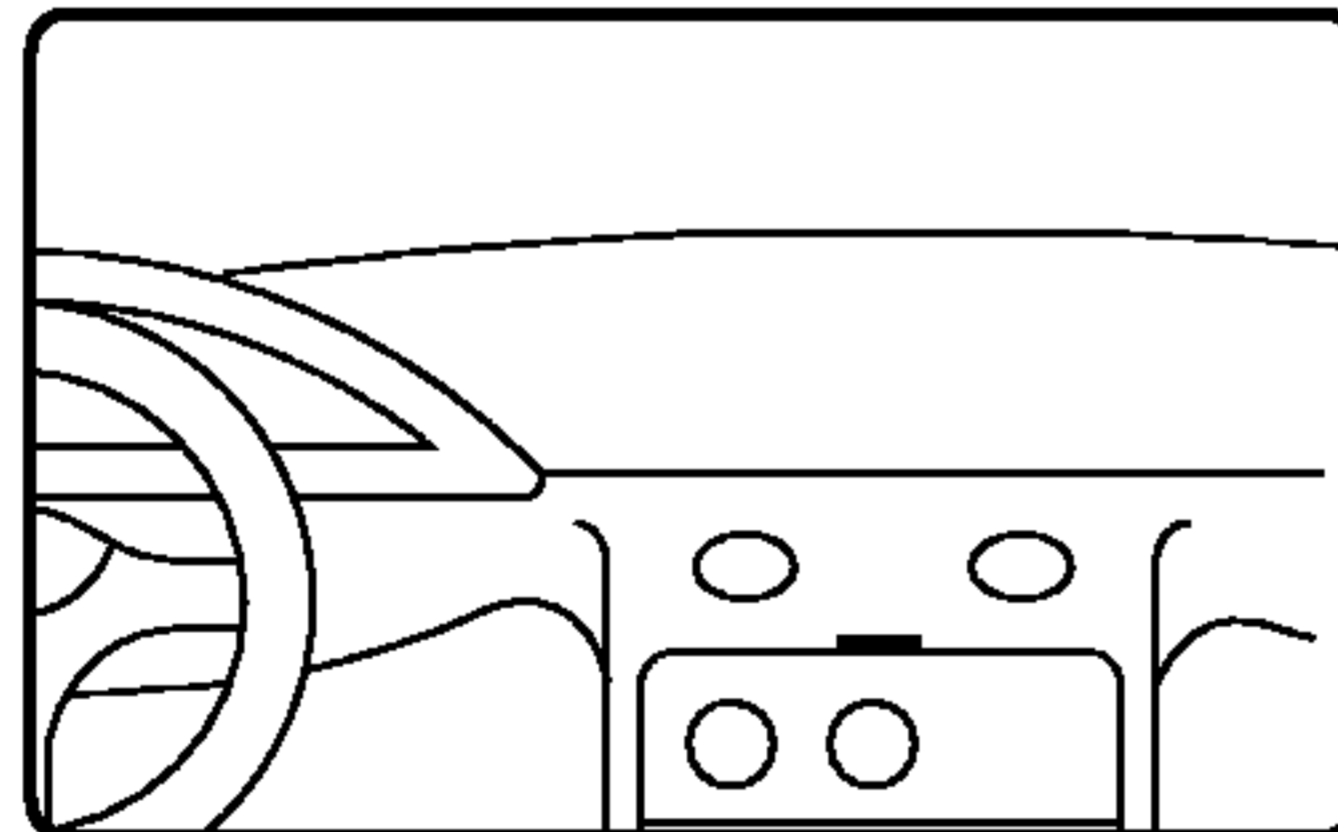
11

Installation order for the stand

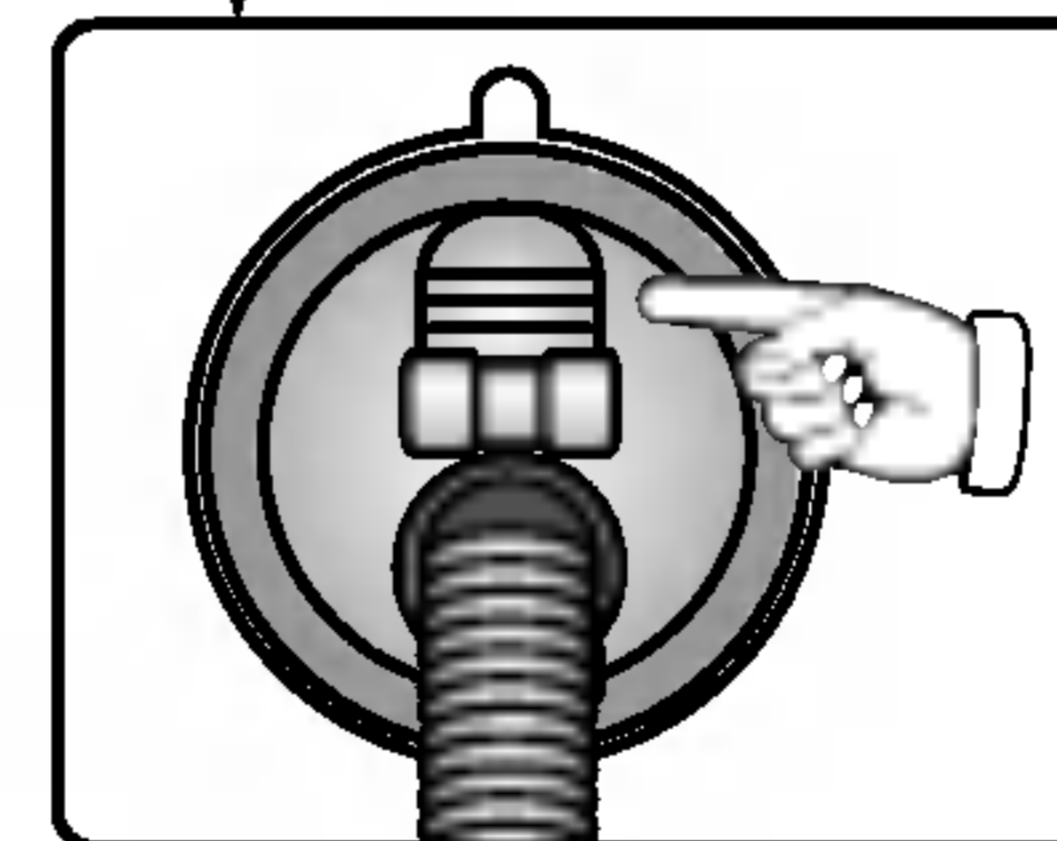
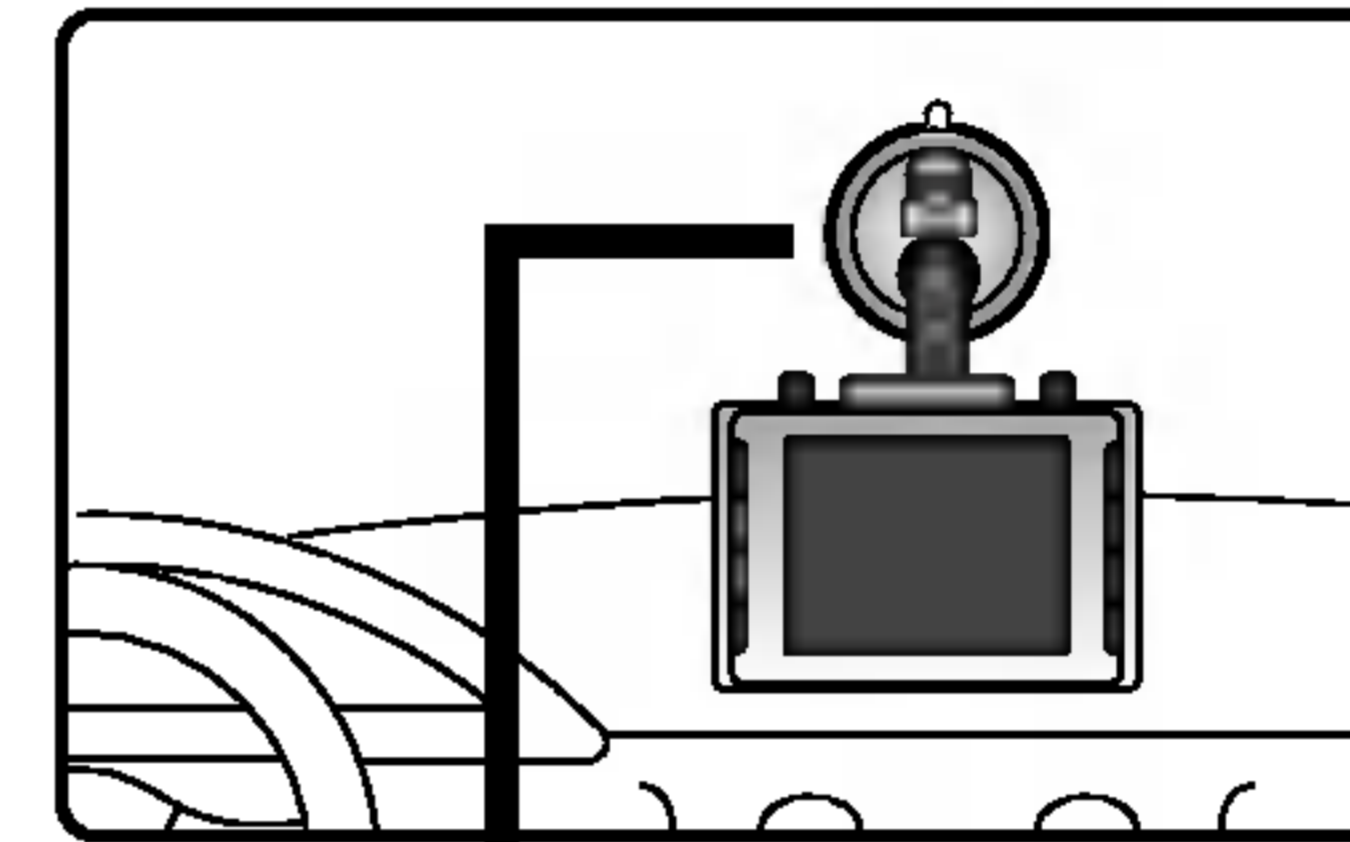
- 1** Connect the supplied car holder to navigation device.



- 2** Select a proper place in the front window.



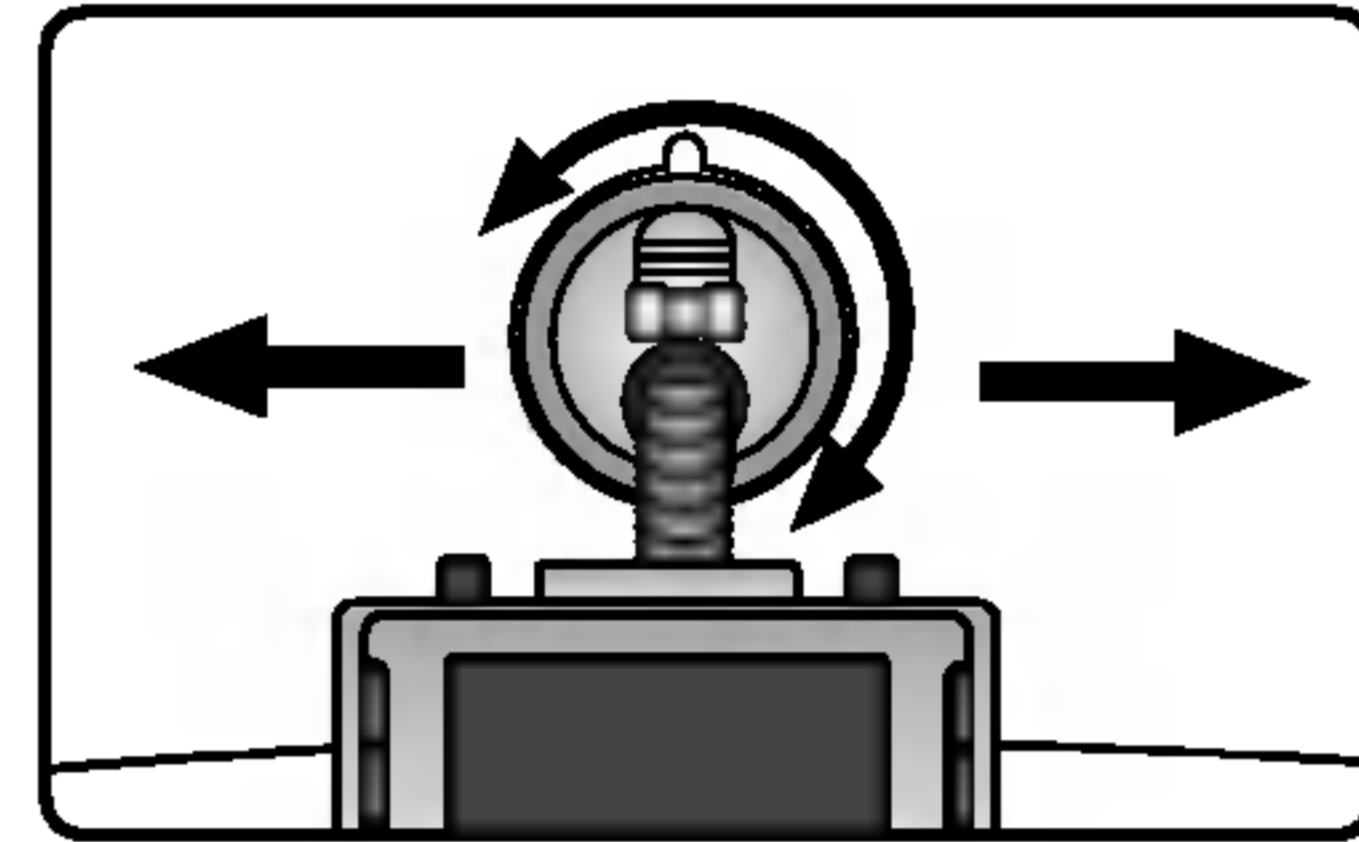
- 3** Moisten the suction cup and position the car holder on the windscreen in such a way that you can see the navigation screen without difficulty and so that it does not hinder a clear view of the road.



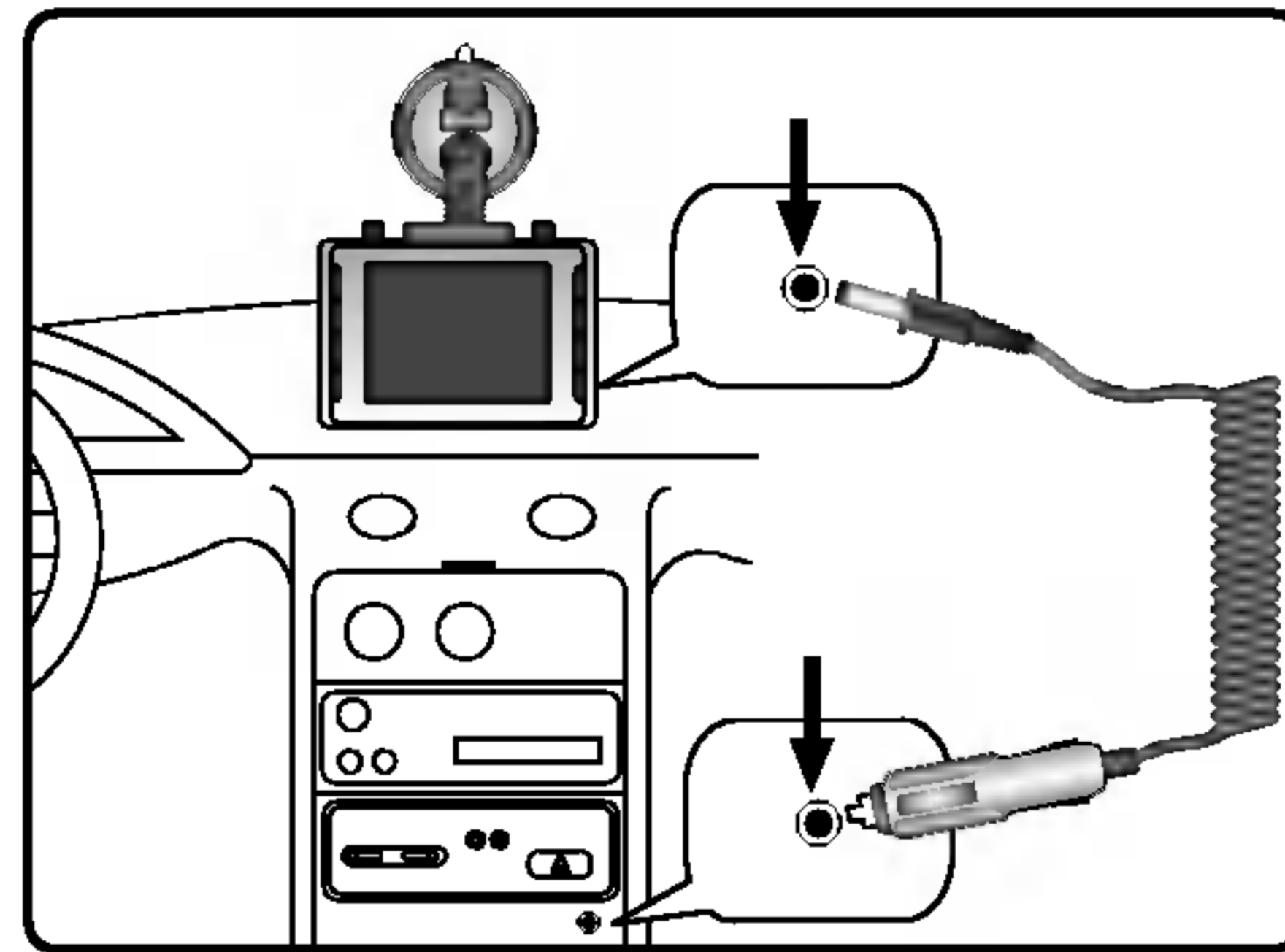
- 4** Lock the suction cap in place.
Press the vacuum lever until you hear a click.

Connecting devices

- 5** Adjust the holder matching with the user's eye level.



- 6** Use the supplied cigar lighter adapter as required to connect the navigation system to the vehicle's power supply in order to supply the power during the journey.

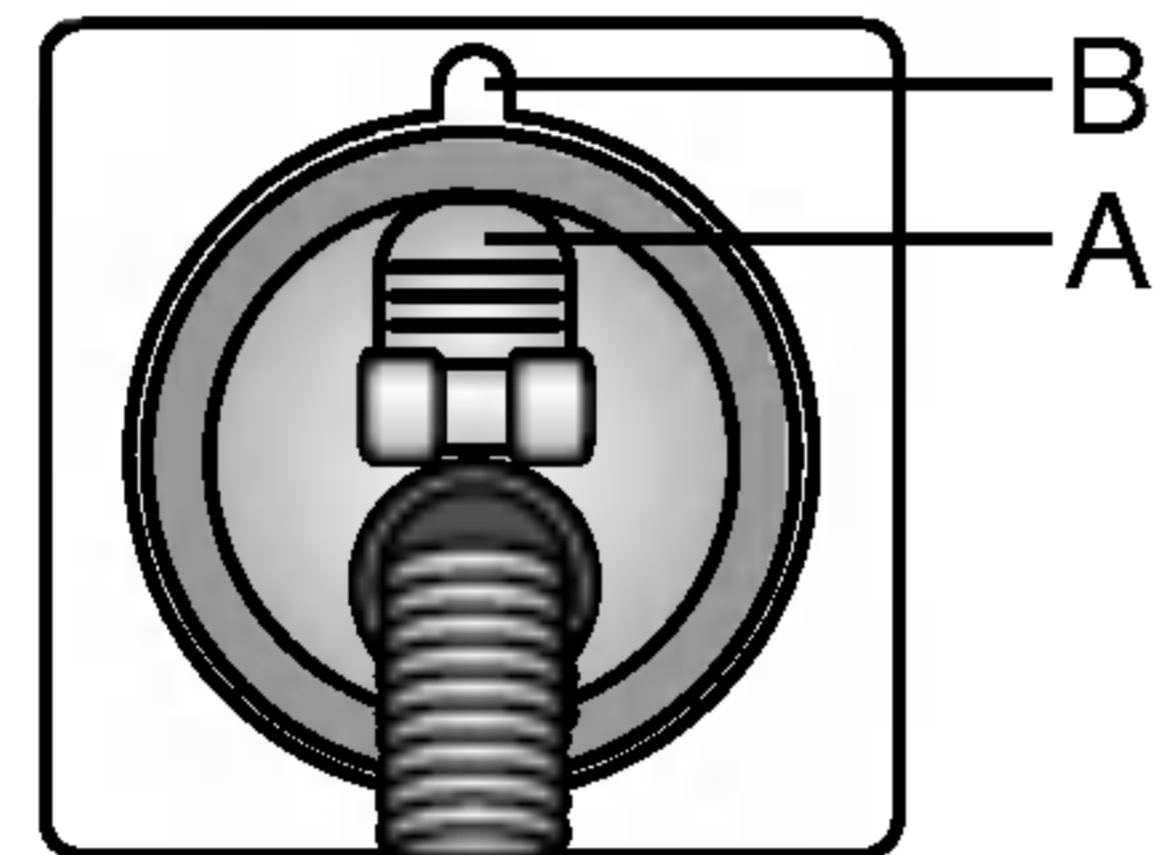


- This navigation player and its automotive adapter are designed for use in vehicles that have 12V, negative ground electrical systems. (This is standard for most vehicles.) If your vehicle has a different type of electrical system, the DC power system cannot be used.
- When attaching a navigation holder, remove impurities in the area to attach before attaching, and press suction button to avoid falling.
- Adjust the direction of holder to prevent it from disturbing the driving.
- Adjust it to the angle you can see well.
- Be careful of falling the navigation from window when you drive.
- When using the supporter, it can vibrate from the vibration from itself. Attach the supporter close to the dashboard as much as you can.

Connecting devices

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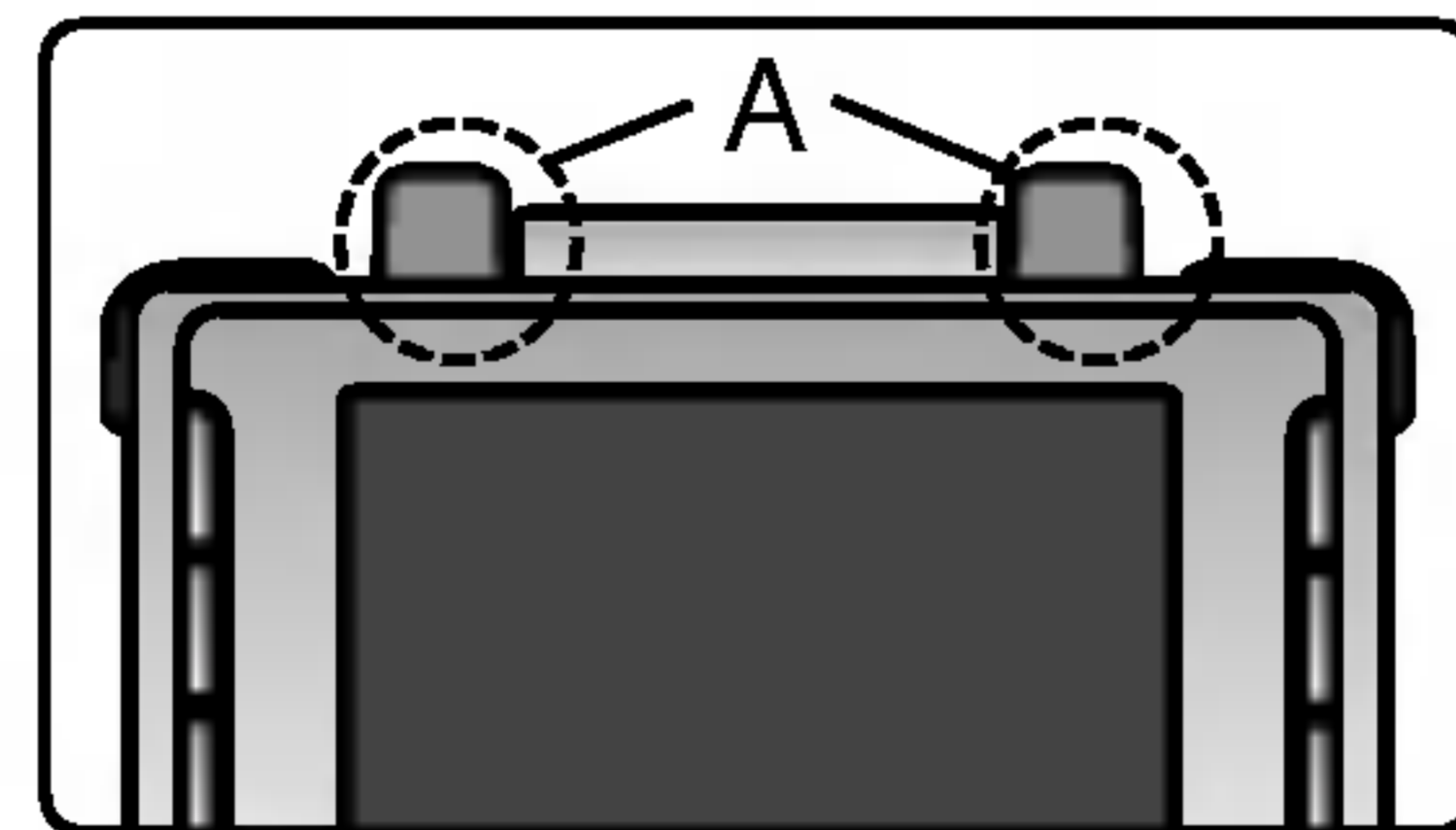
Detachable suction cup



- 1** Unlock the suction cup "A" in place.
- 2** Pull the suction cup "B".

Detachable front panel

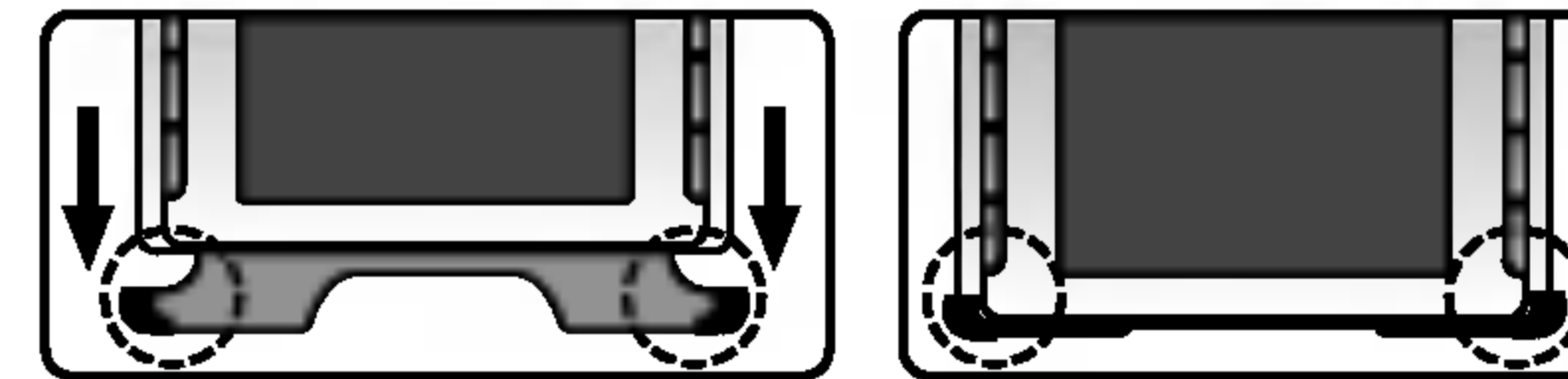
- 1** Press the "A" to open the front panel.



- 2** Pull the front panel.

Attachable front panel

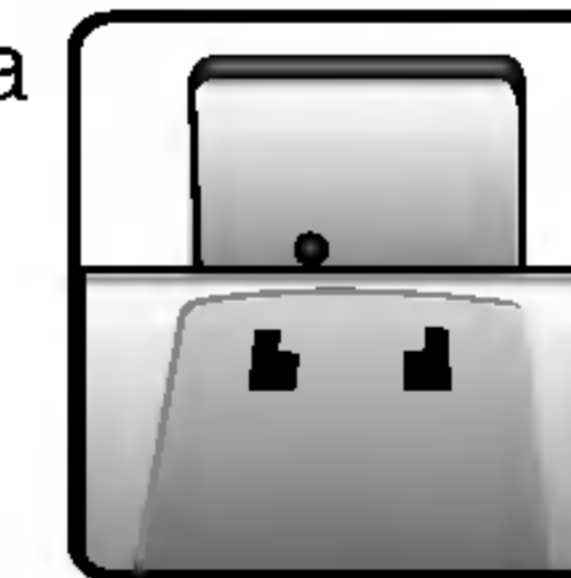
- 1** Align the bottom side of the panel with stopper.



- 2** Push the front panel or into the panel until clicks.



- You must open the GPS antenna before attaching the front panel.



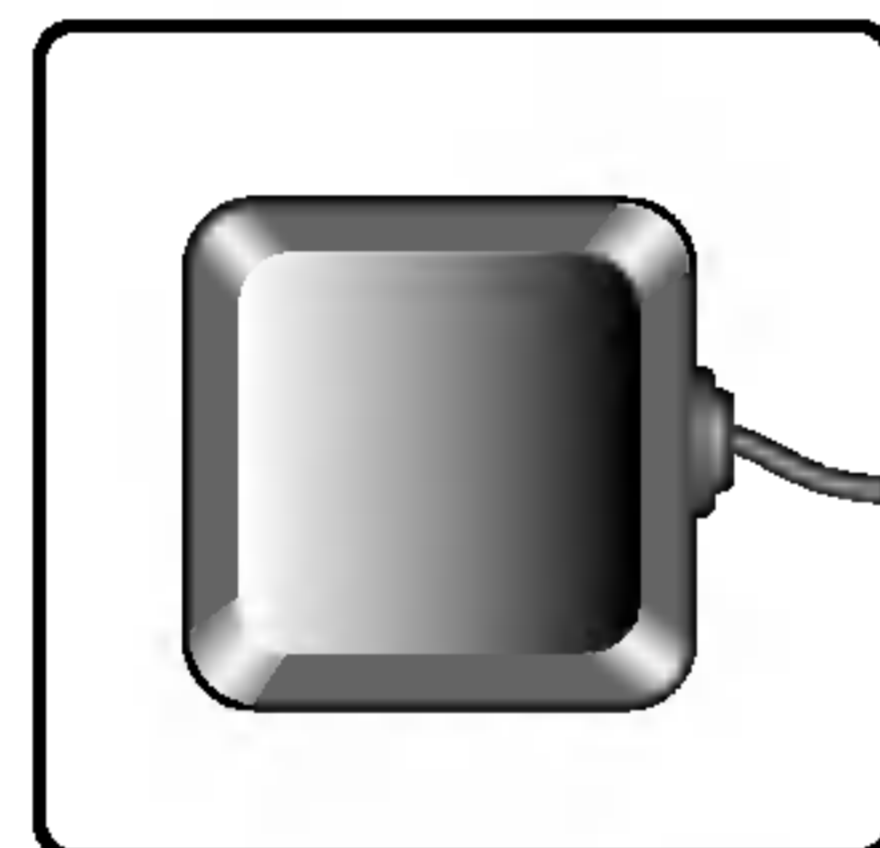
Connecting devices

Exterior GPS antenna installation

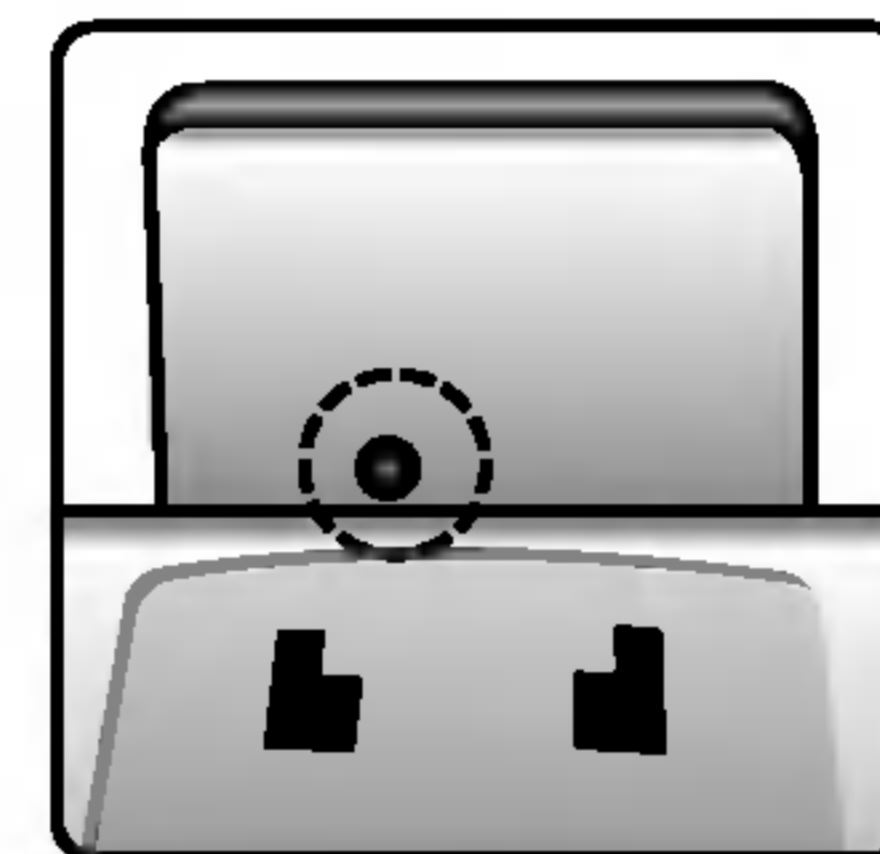
This product has GPS antenna to receive the satellite signals.

Exterior antenna, the separate purchase, may improve the receiving condition of satellite signals when the signals are poor.

- 1 Select the place to attach an exterior antenna, and attach the exterior GPS antenna.



- 2 Connect it to the connecting jack in the backside of main body GPS antenna.



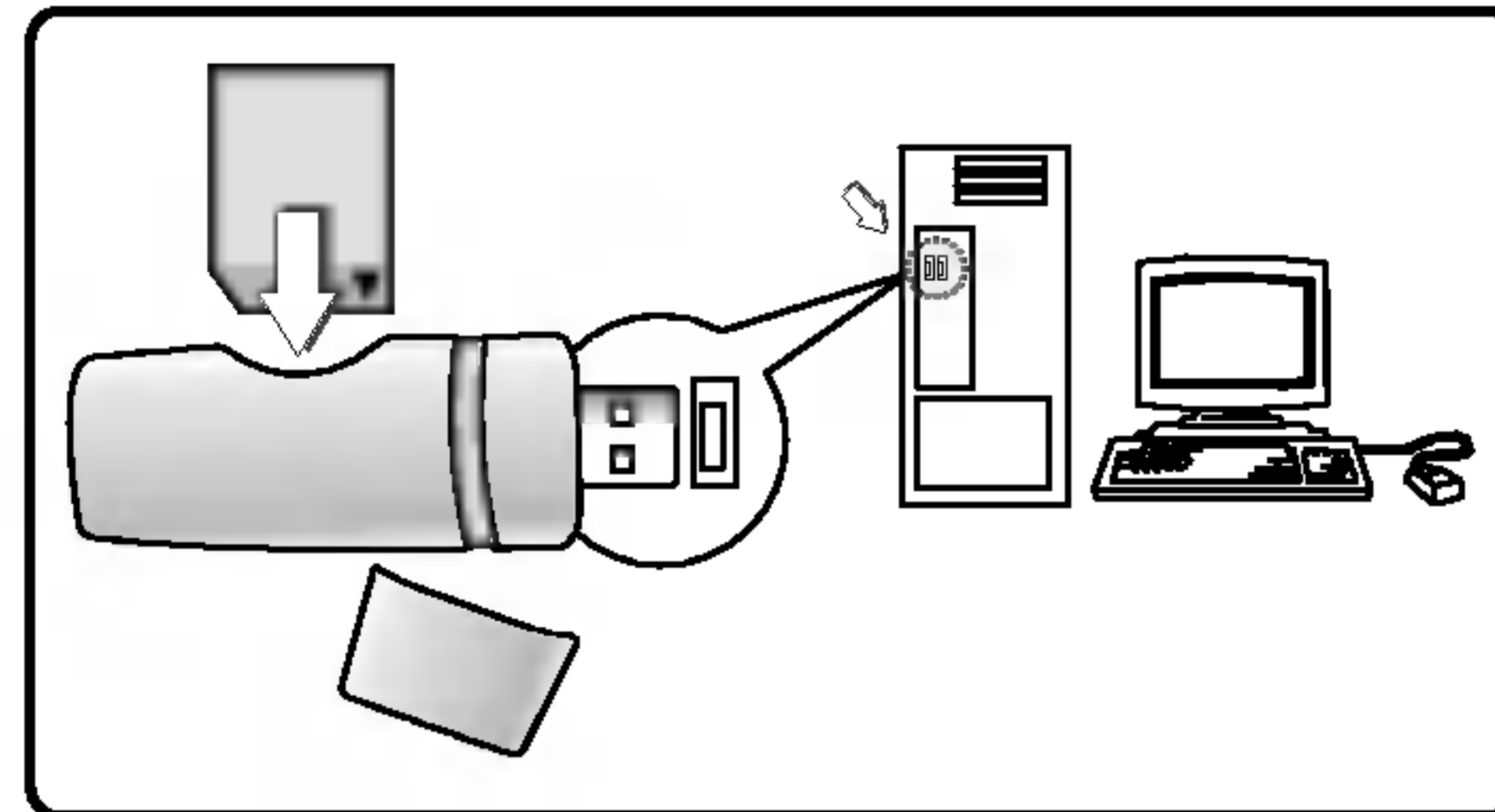
- Exterior antenna is a separate purchase.
- Attach it to the metallic surface in a hood or roof of car. (The bottom surface of exterior GPS antenna is a magnet-based.)
- Arrange the connection lines in order after the attachment of antenna to prevent them from obstructing your driving.

Connecting devices

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Connecting memory reader

- 1** Remove the memory reader cover.
- 2** Plug the SD card into the port of your memory reader.
- 3** Plug the memory reader into the USB port of your computer.



- 4** The icon is displayed in the PC tray if successfully connected.



Disconnecting memory reader

Wait until you get a message saying that you can safely unplug the device before disconnecting the USB cable.

- 1** The safe remove icon is in the system tray next to the clock.

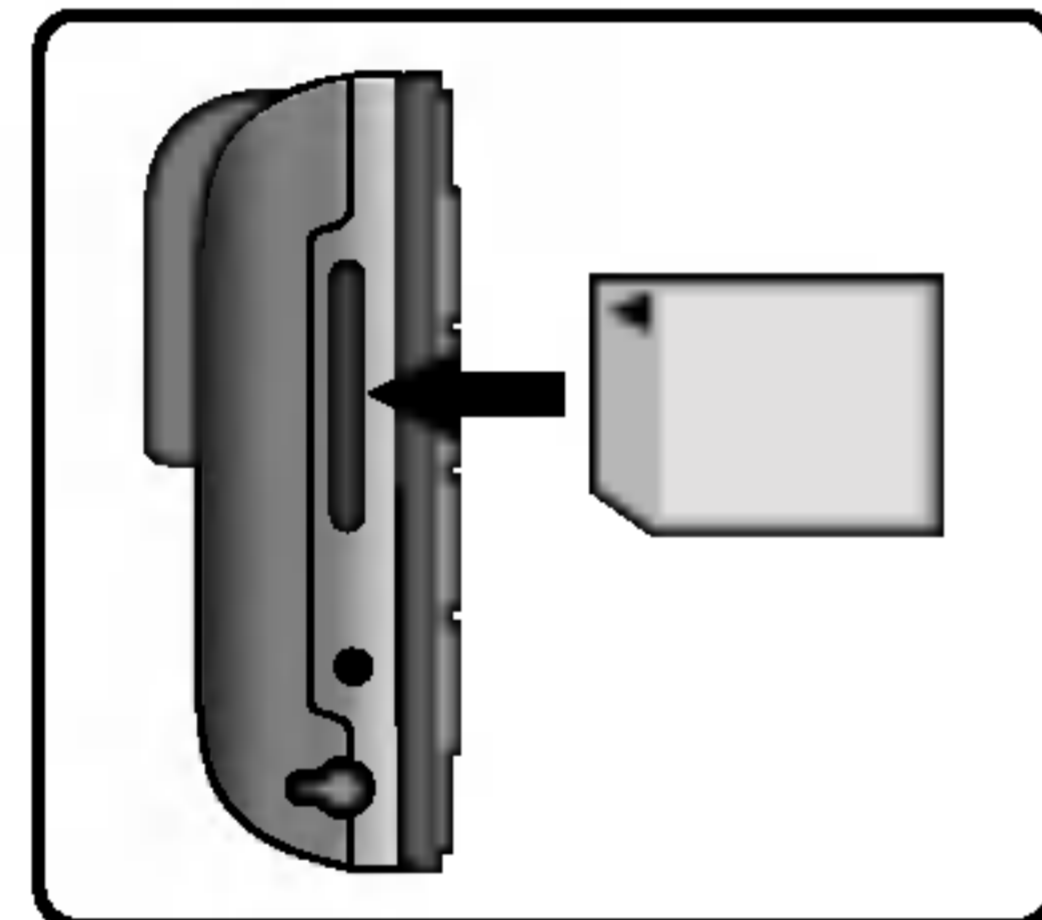


- 2** Click on the icon to eject the player from the computer and select the 'Safely remove' message.
- 3** There will be a message indicating that it is now safe to disconnect the player.
- 4** You can now go ahead and unplug the memory reader from the PC.

Before operation

Installing the navigation software

The navigation software and the digital map material are supplied on the memory card. Installation occurs relatively automatically.

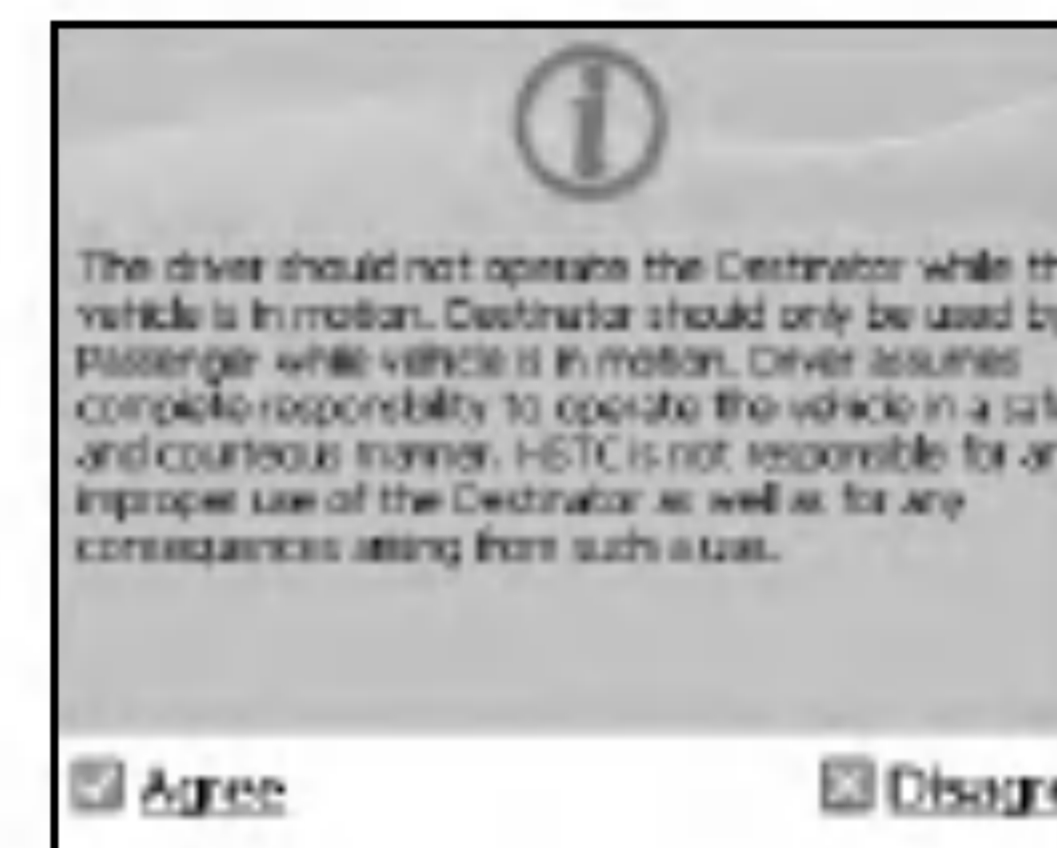


- 1** Switch the Navigation device on.
- 2** Place the memory card in the navigation system's memory card slot.
- 3** The navigation software is stored on the card and can be started immediately.

- 4** The navigation device needs a few seconds to start.

(Map data is loaded in the background)

- 5** The Navigation software's start screen informs the user.



- 6** Confirm that you have understood this by tapping the appropriate "Agree" button.



It may take some time until the GPS receiver has acquired enough satellites during initial use of the GPS navigation equipment.

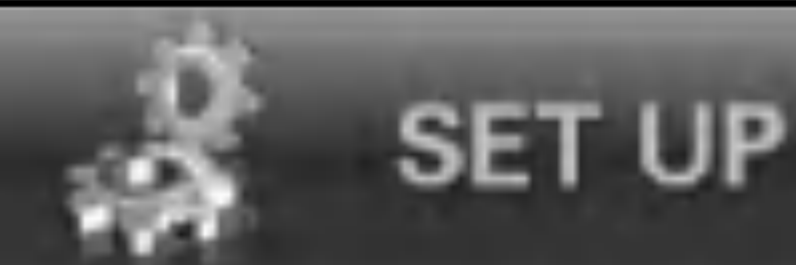
Before operation

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The menu screen



This function guides you to your final destination by voice prompts and a mapping screen, showing crossroads, city names and much more. It also provides various map-guiding modes and the approximate time left to your destination. For your safety, it also lets you know when to make a turn, by means of a blinking lamp on the left/right side.



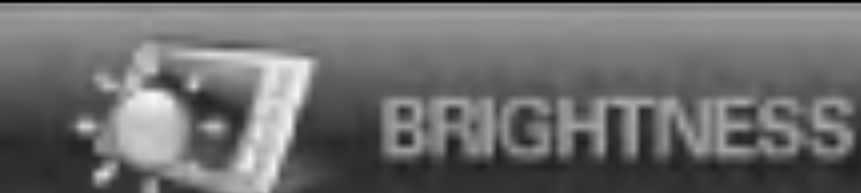
There are a number of parameters you can set on the navigation to make it operate according to your particular needs.



If your Navi appears to be unstable, please check the satellite acquisition signals received by the GPS antenna; tapping into the "GPS" menu and resetting the GPS status may help you to rectify the situation.



If the touch screen of your device doesn't seem to work correctly, you can adjust it with calibrate, the screen measuring function.

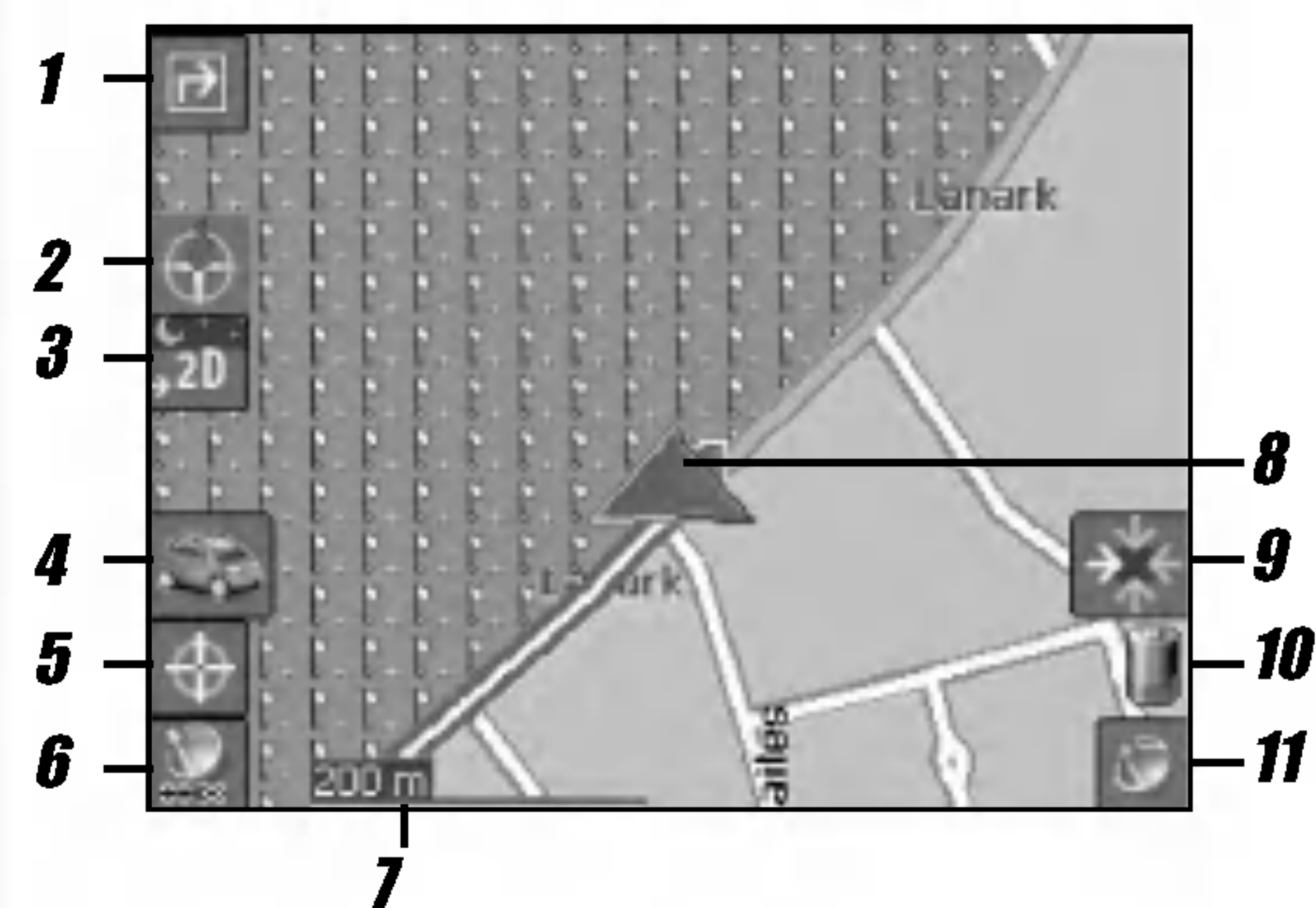


Initially your device has the backlight set to a default setting.

Navigating a route

Map description

There are various buttons and icons on the map screen that are used to plan and view a route.


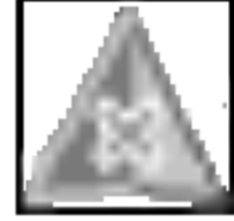



- 1** Driving directions icon
- 2** Compass icon
- 3** View selector icon
- 4** Menu icon
- 5** Route details icon
- 6** GPS-generated statistics icon
- 7** Length scale indicator
- 8** Current location
- 9** Home icon
- 10** Battery status indicator
- 11** GPS status icon





Navigating a route

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Location icons

-  Shows your current location while in navigation mode.
-  Shows your last known GPS location while in navigation mode. This is not your current location, because there is no valid GPS information at this time.
-  Shows the origin in planner mode.

Map screen buttons

-  Toggles between turn by turn details and a complete list of driving direction.
-  Shows magnetic direction as you move.
-  Toggles between 2D, 2D night, 3D, 3D night view. The icon indicates the next view to be display.
-  Lets you define and plan your route via the destination menu. Also allows you to access the options menu and settings menu.



Displays details about your route, such as ETR(Estimated Time of Remaining) and the distance to your destination.



Displays GPS-generated information, such as laltitude, longitude coordinates, geographic position, current location, altitude, and speed. The icon indicates the next item to be displayed.



Calculates a route to a pre-set POI or address.



Displays battery status. When the battery power is low, a message box will appear.



Displays GPS status, such as information about your satellite fix, and the latitude, longitude and altitude of your position. The icon appears green when there is a GPS fix, and red when there is no GPS fix. Also provides a link to the GPS settings screen.

Navigating a route

How to zoom and scroll


The Zoom scroll bar can be used to Zoom In (+ Magnify) or to Zoom Out (- Expand) on the displayed map.

With Automatic zoom selected (Settings Menu ► Map Settings button) you can use the zoom buttons to override the auto zoom, but the zoom will return to its previous level after several seconds of inactivity.

When Automatic zoom is not selected, you can zoom in or zoom out manually and it will remain at that level.

You can scroll the map by holding your stylus on the screen, and dragging the image in any direction.

Types of view

The  icon on the map screen toggles between 4 types of views: 2D, 2D Night, 3D and 3D Night. The icon indicates the next view to be displayed.

2D View



The 2D view is the straightforward two-dimensional view. This is the default map view. In this view, the map is dynamically updated, and allows for manual panning and zooming.

2D Night View



This is a high contrast, two-dimensional view, optimized for night driving or adverse weather conditions. The map is dynamically updated, and allows for manual panning and zooming.

Navigating a route

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3D View



The 3D view is a simplified three-dimensional view showing the map in a basic 3D relief. It shows the basic relief (outline) and details of the surrounding roads and general area.

3D Night View



The 3D night view is a simplified three-dimensional view with high-contrast coloration optimized for night driving or adverse weather conditions.





Zoom function is not supported in 3D view.
(This function makes the viewing angle bigger or smaller.)

Destination

Menu button

The menu icon  opens the Destination menu.

Click the  and  icons at the icon of the screen allows you to cycle between the Destination menu, the Options menu and the Settings menu.



The destination menu

1 At the map screen, click  icon to open the Destination menu.

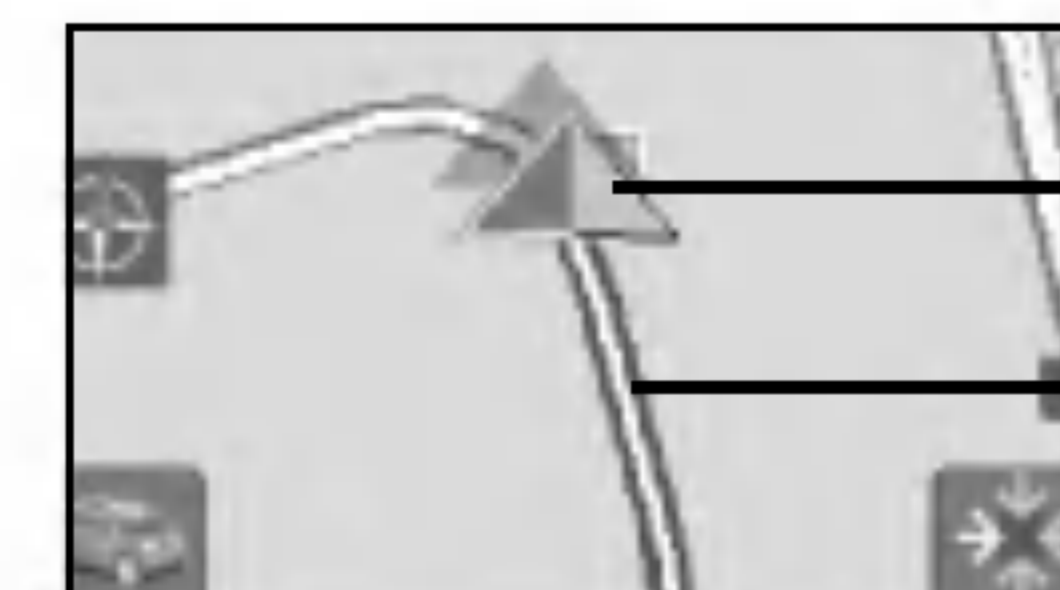
2 You can choose your destination from the following options.



- Address list
- Point of Interest (POI) list
- Favorites list
- History list
- Trip Planner list
- Avoid Roads list

3 From your current position, the route is calculated and displayed as a blue line.

The green triangle  represents your Origin (or departure point).




Origin

Route

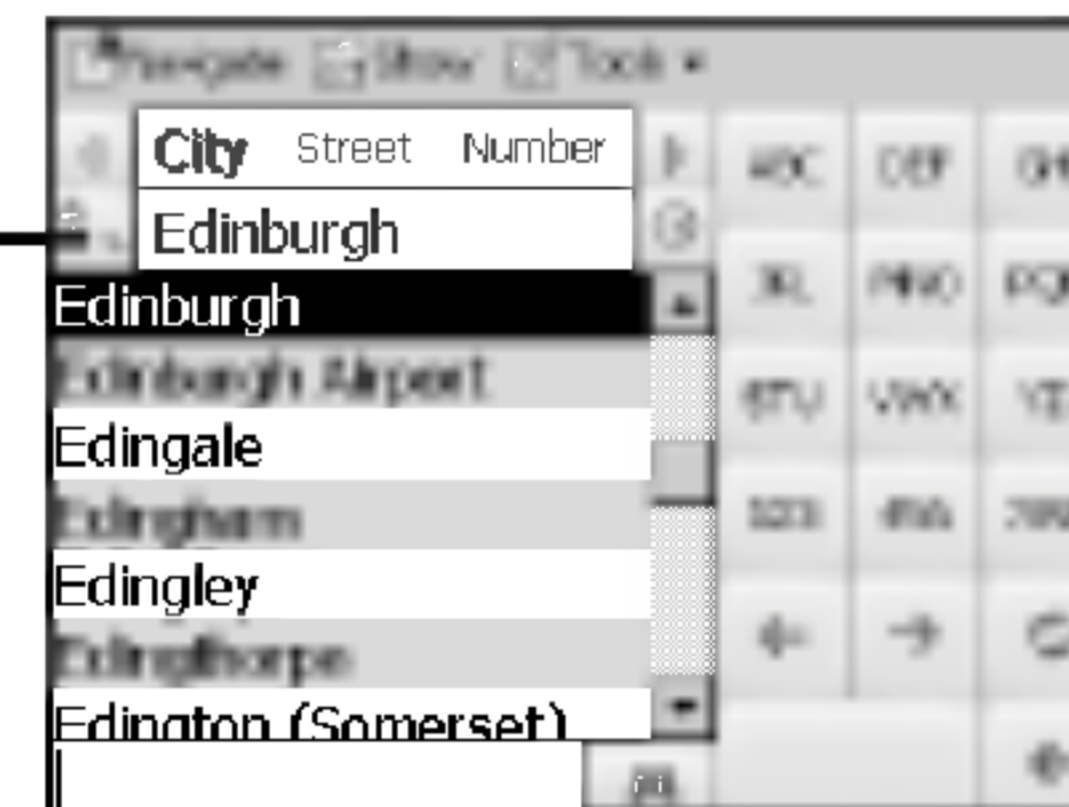
Destination


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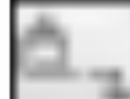
Navigate to an address


 When you navigate to an address, there are several ways of defining your destination. You can navigate to a destination by selecting an address, a ZIP/Postal Code, or an intersection.

Click on this button to change your search type





The default order for entering your destination is **City** ➔ **Street** ➔ **Number**, but by clicking on the  icon, you can cycle through the different ways of specifying your address.

 Lets you search for an address by first entering the City, then the Street, then the Number.

 Lets you search for an address by first entering the Street, then the City, then the Number.

 Lets you search for an address by first entering the ZIP/Postal code, then the Street, then the Number.


 Lets you search for an address by first entering the Street, then the ZIP/Postal code, then the Number.

 Lets you search for an intersection by entering the City, the first Street, then the intersecting Street.

 Move a cursor to left.

 Move a cursor to right.

 Change to capital / lowercase alphabet.

 Deletes the previous character at the cursor position.



 Inserts a space at the cursor position.

Destination

For example, to navigate to an address using the City ▶ Street ▶ Number search other

1 Click “Region” if you are navigating a route across several maps. Highlight your selection from the list of installed maps. (If the map “major loads of Europe” is not installed, you will not see the Region option.)

2 Click “City” and use the keyboard to enter the first few characters of the city name. The scroll list will update accordingly.

Click  icon to expand the list for easier scrolling. You can also change your keyboard from uppercase to lowercase by clicking  icon.

3 Click “Street” to display a list of street names for the selected city. Select the street name by entering the first few characters or by scrolling down the list (eg: Birch, Ave).

4 Not all cities/towns are mapped to the street level. In such cases, the software will display Street data not found. You can still navigate to the city as selected.

5 Click “Number” and enter the number using the keyboard.

6 Once you have entered your destination, there are several options available on the toolbar found at the top of the screen.



Calculates and displays your route, which is shown as a blue line on the map.



Shows the destination on the map and displays its details.




Allows you to add the destination to your Favorites Folder, or to set it as your Origin.




As you drive, the navigation provides you with turn-by-turn voice and visual directions, letting you know when your next turn is due.

Destination

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If you don't know the entire name of a city or street, type in part of the name and click the  icon.

This will display a list of all names containing your typed sequence.

For more information on a City, Street or Number click  icon to display details about the location, such as its city, street name, and latitude and longitude coordinates.

Navigate to a point of interest (POI)



The Points of Interest (POI) list is a collection of potential destinations of interest in predefined categories. POIs are identified on the map by various icons. POI navigation is especially handy when you need to find a facility, attraction or amenity by category or type.


For example, you can ask the navigation to guide you to the closest bank, mall, hotel, restaurant, gas station, etc.



- 1** From the Destination Menu, press the POI icon.
- 2** Click "Region" if you are navigating a route across several maps. Highlight your selection from the list of installed maps. (If only one map is installed, you will not see the Region option.)


Destination

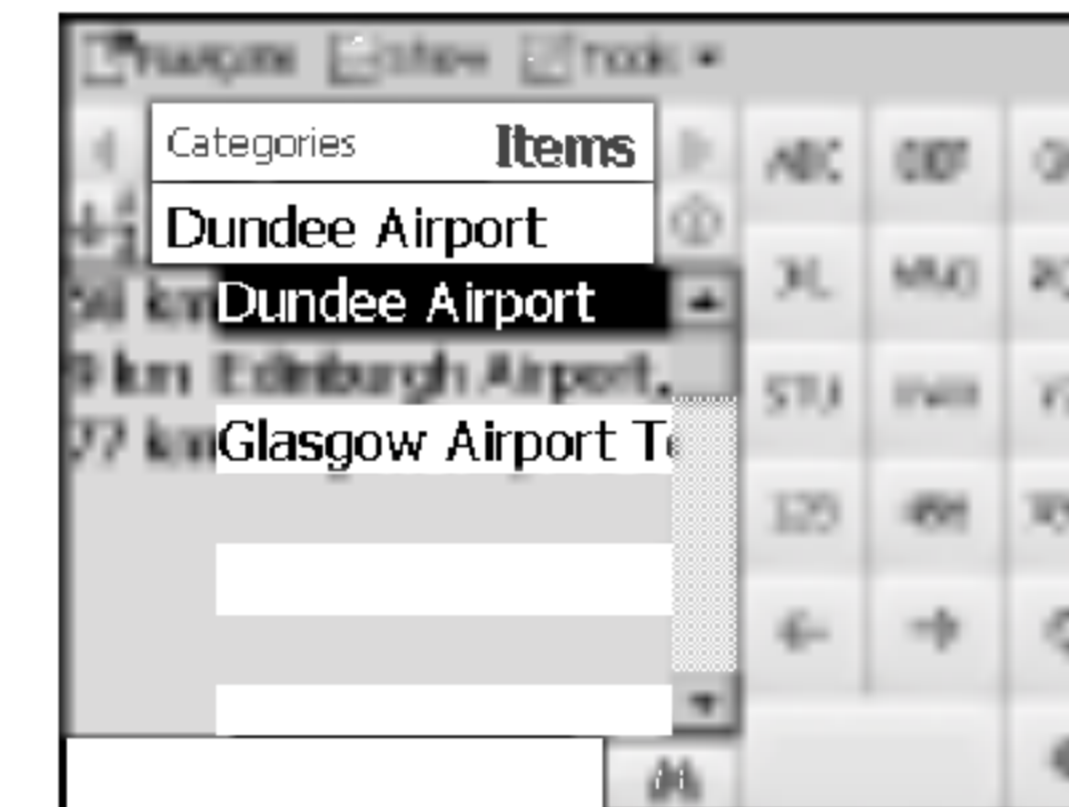
- 3** Click “Category” and highlight your selection from the list of POI categories. For example, we can search for the nearest airport.






At this point, you can display all the items within a category on the map screen by clicking the  icon beside any of the categories.

When selected, the icon will appear as  icon. Press  to return to the map screen.

- 4** With Airports highlighted, tap “Items” to display a list of Airports in your area. The POIs are listed in order of distance. To sort them alphabetically, click  icon.



- 5** Highlight your choice and click  to calculate your route. The route is shown on the map as a blue line from your current GPS position.
- 6** You can select  to preview your destination on the map, or click  to add the destination to your Favorites or to set it as your Origin. Select Settings to define your Search Radius and Search Center.

Destination

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Navigate to a favorite

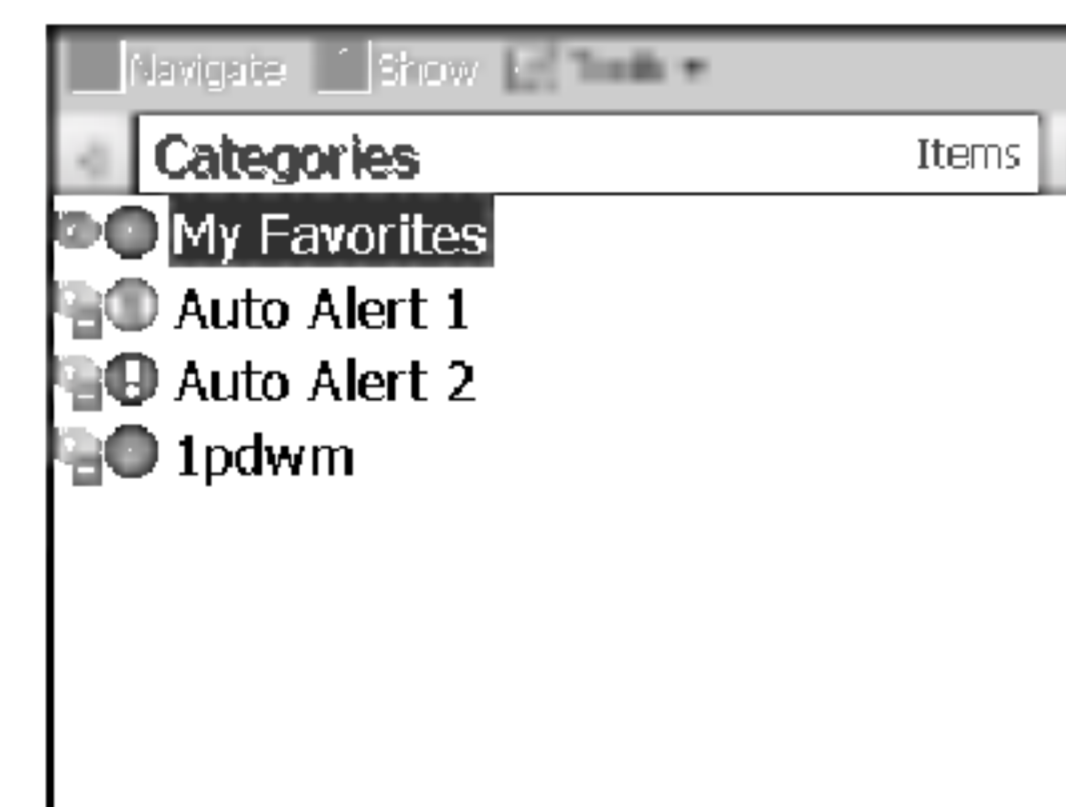


You can select a destination from your list of stored favorites.

(The next section describes how to save an item to your favorites list.)

A favorite is an address or destination previously stored by you for quick and easy retrieval. You can also save, edit or delete destinations from this folder.

- 1** From the Destination menu, click the “Favorites” icon. Your list of Favorites categories is displayed.
- 2** Highlight My Favorites and tap “Items”. A list of stored items is displayed.



- 3** Highlight your selection and click



to calculate your route.

The route is shown on the map as a blue line from your current GPS position.

- 4** You can also select



to preview your destination on the map, or press



to edit or delete your choice, or to set it as your Origin.

Configuring Auto Alerts Category

An Automatic Alert refers to an item that you configure so that the navigation will alert you when you are within a certain distance of the item's location.

You can configure two distances for each Automatic Alert.

The navigation will first alert you when you are within the first distance and then alert you when you are within the second.

Automatic Alerts must be stored in either one of three predefined categories - Auto Alerts 1, Auto Alerts 2, and Favorites Alerts.

- 1** From the Destination dialog, select Favorites.
- 2** Highlight the Auto Alerts folder you want to configure and select Edit... from the Tools menu.

- 3** To enable both alerts, check both boxes. Or, you can disable one of the alerts by clearing the box next to it. If you configure two alerts, the first must have a greater distance than the second.
- 4** From the pull-down menus, select a distance for each enabled alert. The navigation will alert you when the distance between your current traveling position and the location of the alert equals the distance you enter here.
- 5** Close the Edit menu.
- 6** To display the map of items in the Auto Alerts category, check the box to the left of the category name, just as you would to display map positions of Items in any other category.
- 7** Select Save to complete the configuration.

Destination

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Configuring Auto Alerts Items

You can change the name, comment, and category of any item in Auto Alerts 1 or Auto Alerts 2. Note that if you change the category of an item to something other than Auto Alerts 1 or Auto Alerts 2, it will no longer function as an auto alert. Only those items in categories Auto Alert 1 and Auto Alert 2 will function as automatic alerts.

- 1** From the Destination dialog, select Favorites to display all the categories.
- 2** Highlight a category and then select Items from the upper menu bar. All items in the category are displayed.
- 3** Highlight the alert you want to edit and select Edit from the tools menu.

- 4** You can change the name, comment, and category of an item. You cannot change any other information.

- 5** Close the edit window.



If you change the category, the item will be moved out of the current category. Only those items found in either Auto Alerts 1 or Auto Alerts 2 will function as auto alerts.

Favorites Alerts



From the Favorites folder, you can add a new Category called Favorites Alerts. These alerts function the same way as Auto Alerts, but can be used specifically for items from your list of Favorites, such as your favorite restaurants and places of interest.

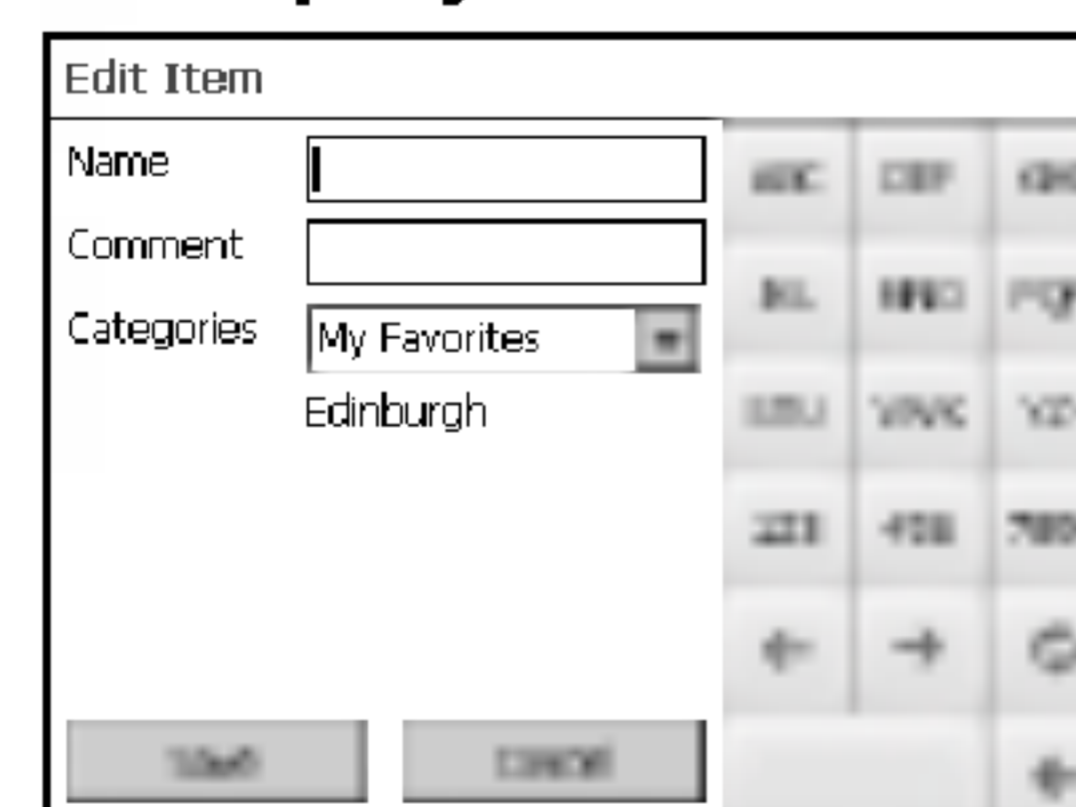
30

Destination

Save to a favorites

When selecting a Destination which you may use regularly, you can save it to your personalized Favorites list.

- 1** At the map screen, click  icon to open the Destination menu.
- 2** Select and specify your desired destination as described previously, be it from Address, POI, History or Contacts.
- 3** To save the location in your Favorites folder, click  icon and select Favorites. The Edit Item Properties screen is displayed.



Name	<input type="text"/>	ANC	CEP	CRS
Comment	<input type="text"/>	BL	BRG	PGP
Categories	<input type="text" value="My Favorites"/>	CSU	SWC	YD
	Edinburgh	JZ	FS	7800
		←	→	⊙
				⊕
Save	Cancel			

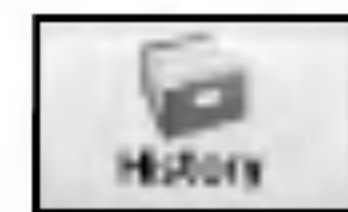
- 4** Enter a name and comment that will help you recognize the item in future.

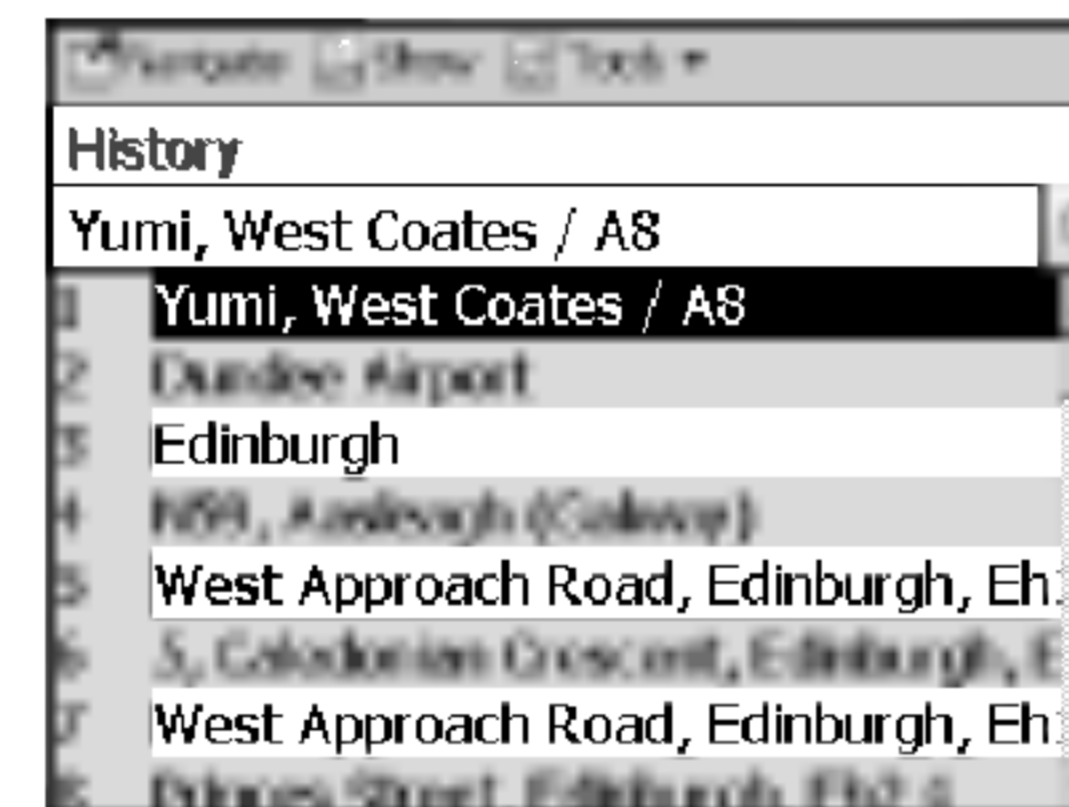
- 5** Enter a new category name or select an existing one and press "Save". Your favorite destination has now been stored for future use.

Destination

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Navigate to a history item

 History allows you to select an existing destination from a list of previously traveled routes. The software automatically stores the last few destinations in memory. As each new route is added to the top of the list, the older destinations at the bottom are erased.



1 From the Destination Menu, press the “History” button to display your list of previously traveled routes.

2 Highlight your selection and click

 **Navigate** to calculate your route.

The route is shown on the map as a blue line from your current GPS position.

3 You can also select  **Show** to preview your destination on the map, or press

 **Tools** to edit or delete your choice, or to set it as your Origin.

Destination

Navigate to a point on the map

You can navigate to any point on the map by tapping its location directly on the map screen. This feature is especially handy when you want to navigate to a specific point you see on the map, but you don't have its street address.

Dialog Box on the Map Screen



1 Use the stylus to scroll or drag the map to a specific point, and then tap the desired location.

2 A dialog box displays the address of that point, and lets you select whether you want to navigate to it, recalculate your route, add the point to your Favorites, or set it as your Origin (if you are in Planner Mode).

3 To clear the cursor dialog, just tap the screen again.





If you need to reset the point of Origin, tap the map screen to open the Cursor Dialog, and select "Set as Origin". All new route calculations will use this as the starting point, but only if you are in Planner Mode. In Navigation Mode, your current GPS location is always your Origin.

Destination


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Trip planning

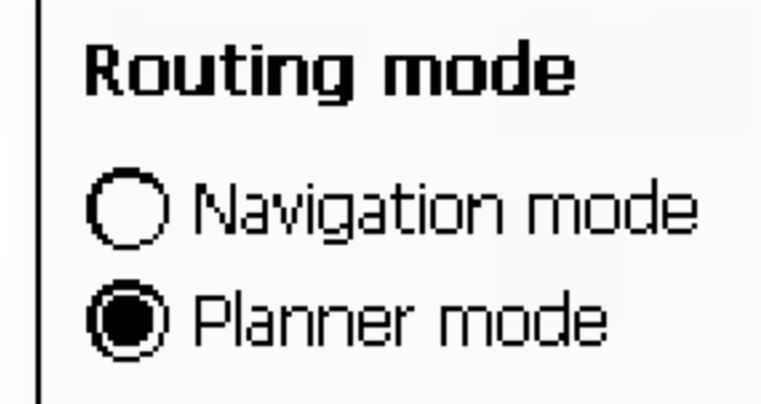
 Trip planning is useful when you have more than one destination along your route. This process is similar to the procedures used to enter or select a destination and initiate navigation, except that you must be in Planner Mode.

When you click , the Route is calculated in stages, from the departure point to the first waypoint. Once you've reached the first waypoint, the route is recalculated to the second waypoint, and then recalculated to the third waypoint, and so on.



How to you trip planning

1 Ensure you are in Planner Mode. To do this, click  icon and cycle to the Settings Menu.


2 Click  icon and for Routing mode, select Planner mode.

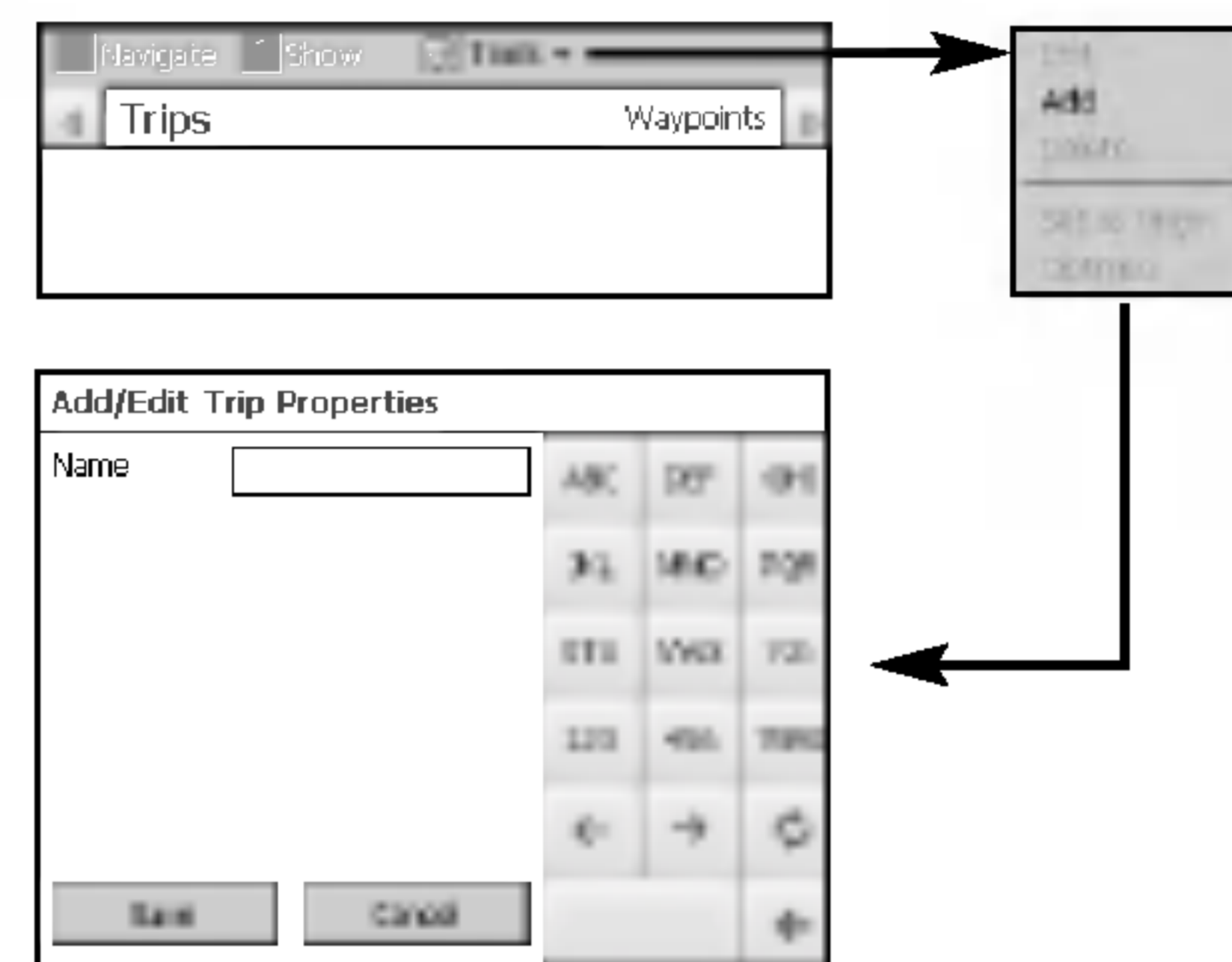


3 Press the  button to save and return to the map screen.


4 At the map screen, click  icon and select  icon from the Destination menu.

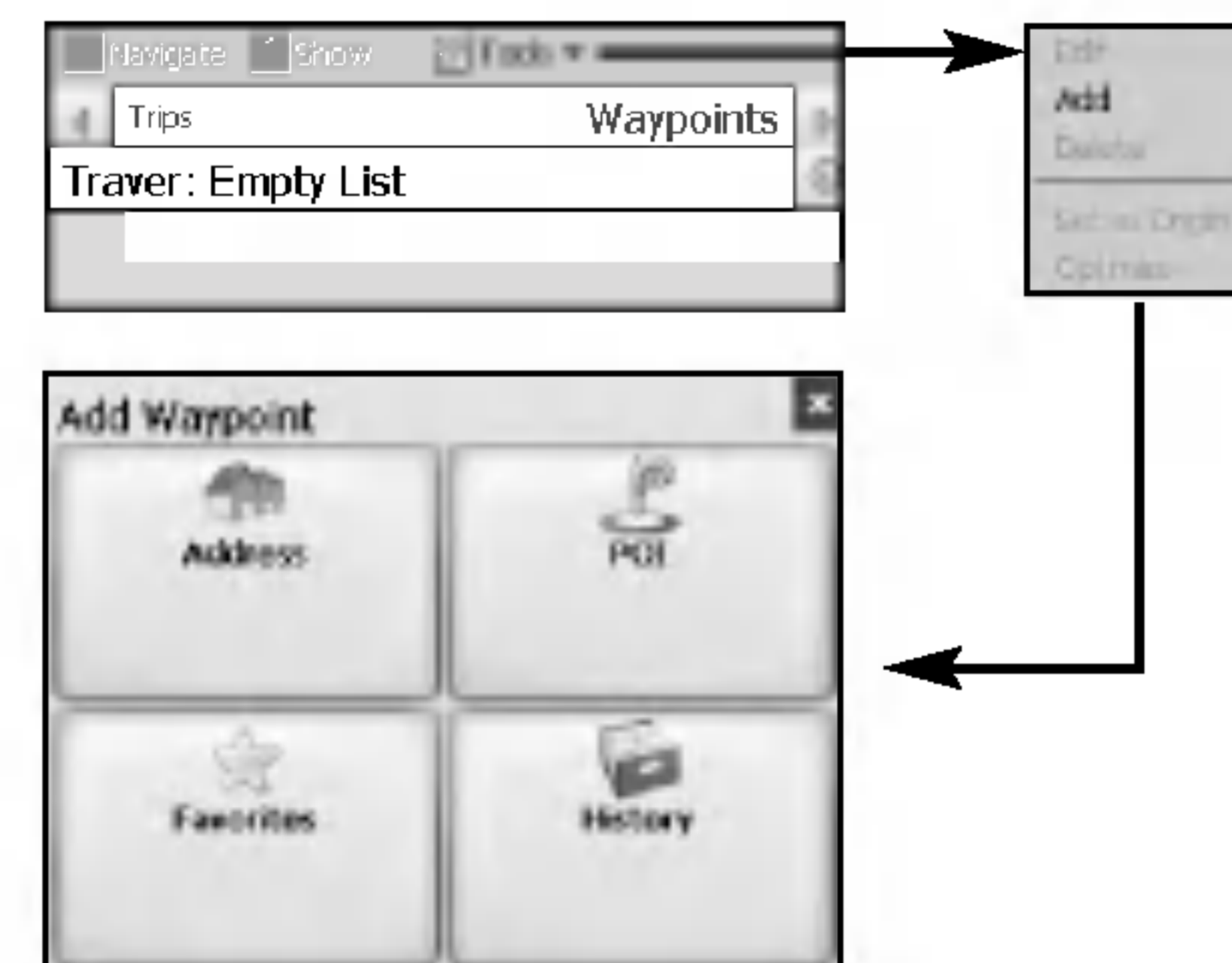
Destination

- 5** From the tool bar at the top of the screen, click  icon and select **Add** to create a trip folder.



If this is the first time you are using Trip Planner you will need to create a Trip Folder in which to store your trip details. You can use any name. For this example we will be using My trip.

- 6** Enter the name of your trip folder and press **Save**. You can now enter the waypoints of your trip.
- 7** Highlight your trip folder, and press **Waypoints** above to define your waypoints.
- 8** From the tool bar at the bottom, click  and select **Add** to define your waypoints.
- 9** Select the address of your first waypoint.

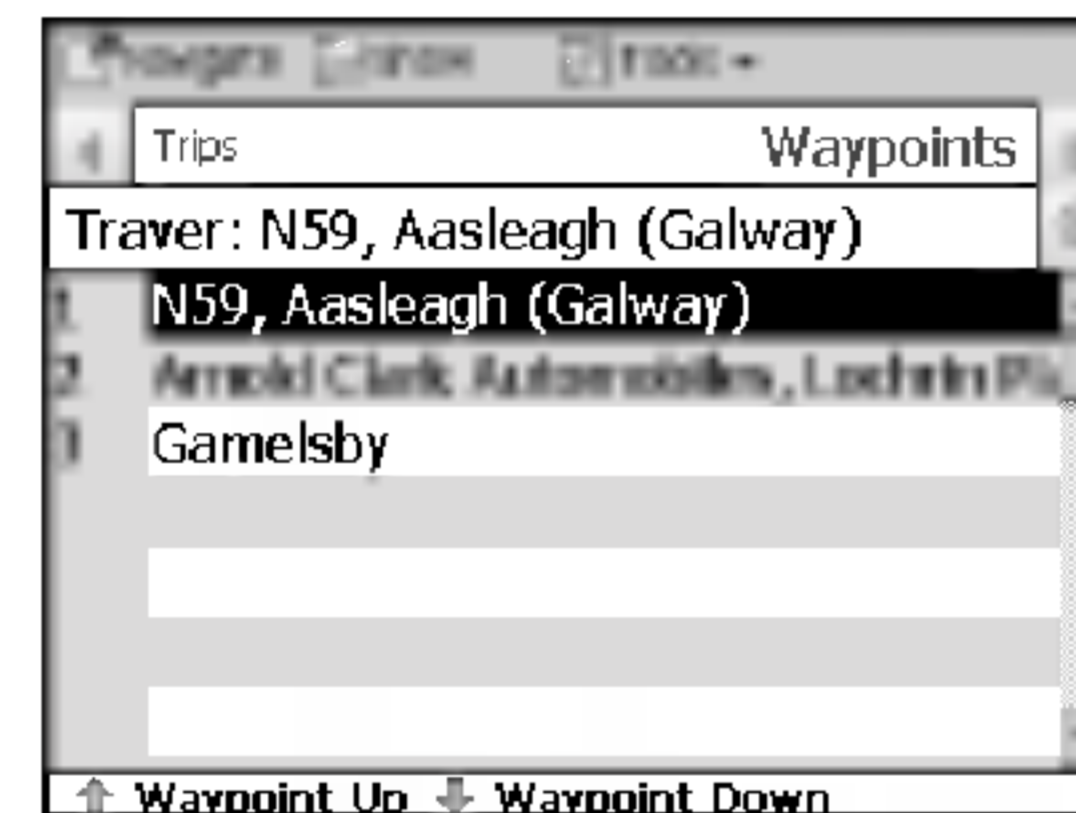





What is a waypoint? A waypoint is a stop or break in your journey, along a predefined route.



Destination

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- 10** In the Edit WayPoint Properties screen, you can change the name or details of the waypoint. Press “Save” to add to your trip. Repeat steps 6 to 9 to enter all the waypoints.



- 11** Select the  to view the complete route. The first part of the route is shown as double blue lines. The remaining parts of the route are shown in a series of single line vectors.
- 12** Using  **Waypoint Up** or  **Waypoint Down**, you can change the order of your waypoints to suit your purposes.

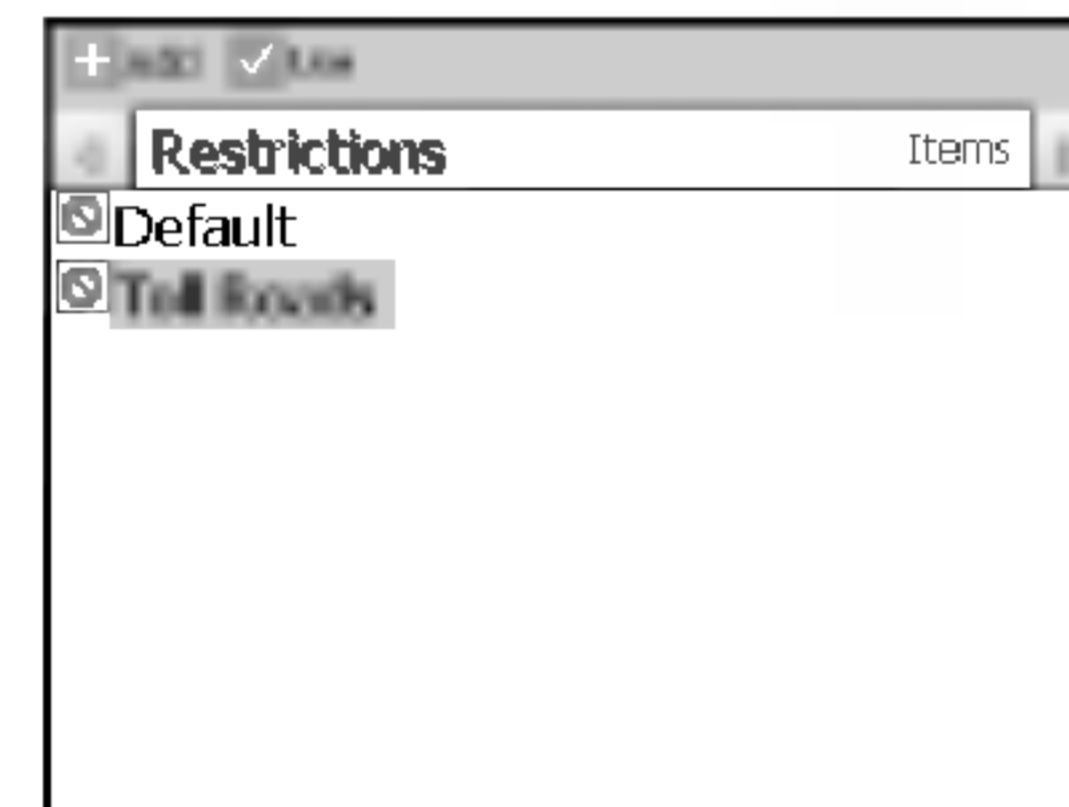
- 13** You can also click on Tools  **Show** → **Optimize**, which will automatically sort the waypoints for the most effective and quickest route.
- 14** To calculate the route, click  **Navigate**. The route is shown as a blue line from your current GPS position.

Avoid Roads



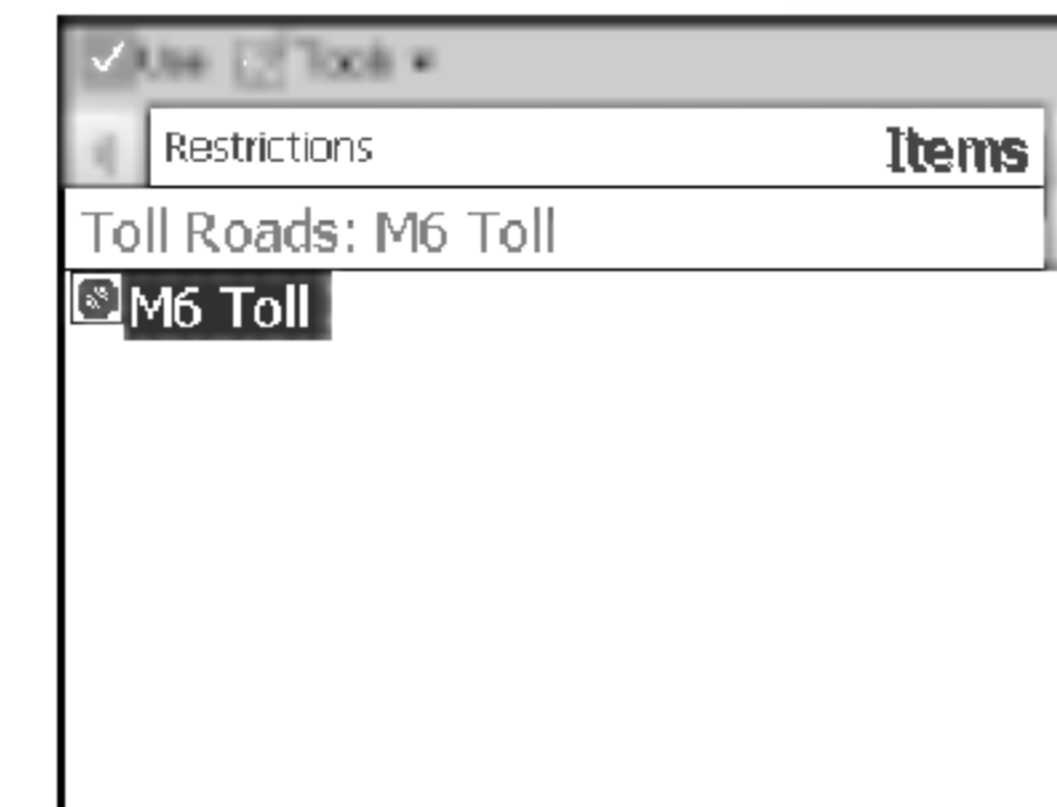
You can specify that certain roads be excluded from your route calculations. For example, you may prefer to not travel on any toll roads.

- 1 From the Destination Menu, click Avoid Roads button to display a list of road categories.



- 2 To place restrictions on a desired road category, highlight Restrictions and click Use or Avoid to suit your preference. Click to add a new category.

- 3 Tap on Items to list all the roads in a highlighted category. To specify restrictions for a particular road, highlight it and click Use or Avoid. To preview a highlighted road on the map screen, click and select Show.



- 4 Once you have specified your road restrictions, press to return to the map screen.

Options

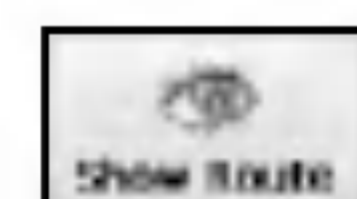
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The options menu



The Options Menu provides choices for displaying your route, displaying your driving directions, canceling a route, playing and recording a route, switching maps, selecting your mode of travel, and getting help with basic navigation.

Show route



This option displays your route on the map screen in its entirety, plus details such as the address of and distance to your destination, the ETR (Estimated Time Remaining).

Driving directions



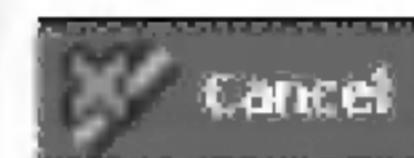
This function displays a visual list of your route, distances to each maneuver, and street names. By using the scroll bar on the right hand side, you can scroll through the entire route. Tapping on the maneuver twice displays that part of the route. Voice and visual prompts (displayed at the top of the screen) are provided at varying intervals to indicate your next turn or change of direction.



Displays your route on the map screen in its entirety, plus details such as the address of your destination, ETR.

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Options



Cancel Cancels and clears the route from the map screen.



Show Displays the highlighted portion of the list on the map screen, including the street name, distance to it, and an arrow diagram to indicate the turn. You can also use the Prev and Next arrows to scroll to the previous or next turn.

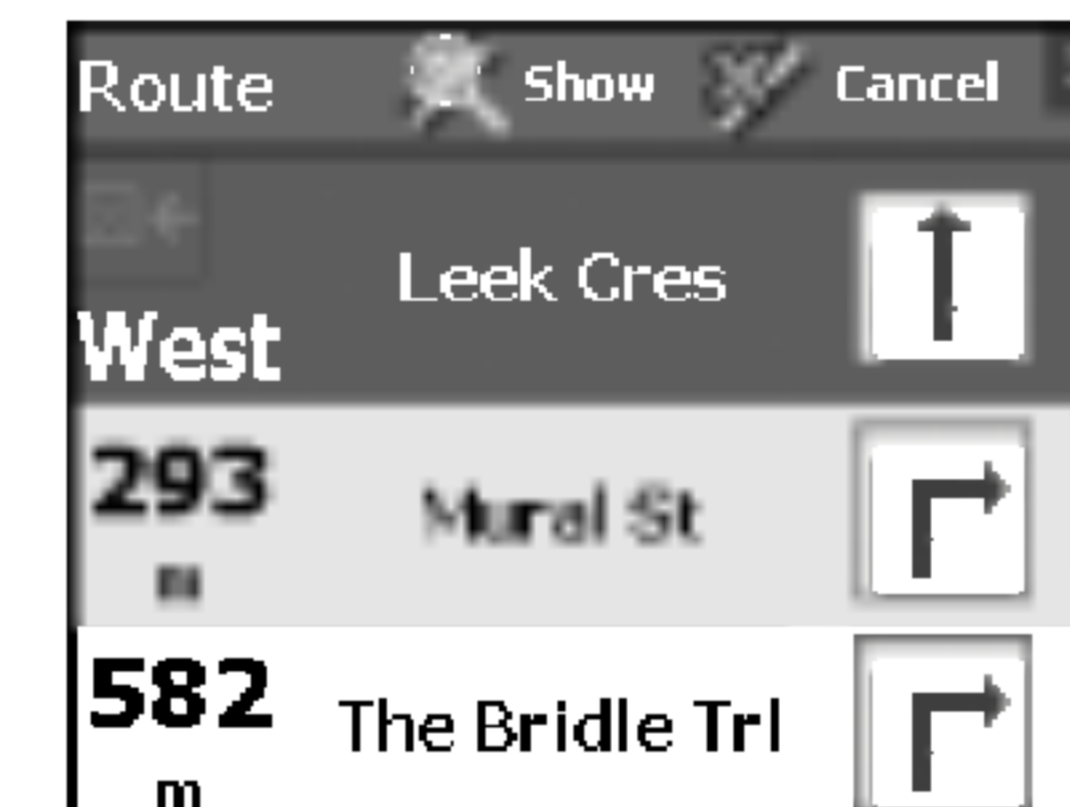


Avoid Will recalculate your route to exclude this particular turn or maneuver.

Turn by turn



This view indicates the distance to your next turn, and the name of the next street immediately after completing the previous turn. Voice and visual prompts are displayed at varying intervals to indicate your next turn or change of direction.



Cancel route

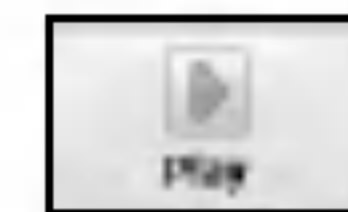


Cancel route Cancels and clears the route from the map screen.

Options

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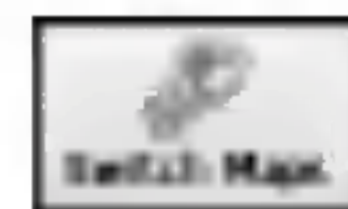
Play



This feature allows you to record your route as you're traveling, and then to play it back on the map screen at a later time. From the Play/Record screen, you can record a route, play back a route, change the speed of the playback, and delete

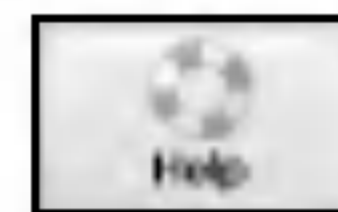
recordings. Pressing  returns you to the map screen.

Switch map



This feature lets you switch between your maps. The Switch Maps screen also displays details and version numbers of your maps, and allows you to delete maps.

Help



This button launches an abbreviated help file with basic navigational definitions and instructions.

About



Displays software version and details about your navigation application.

The settings menu

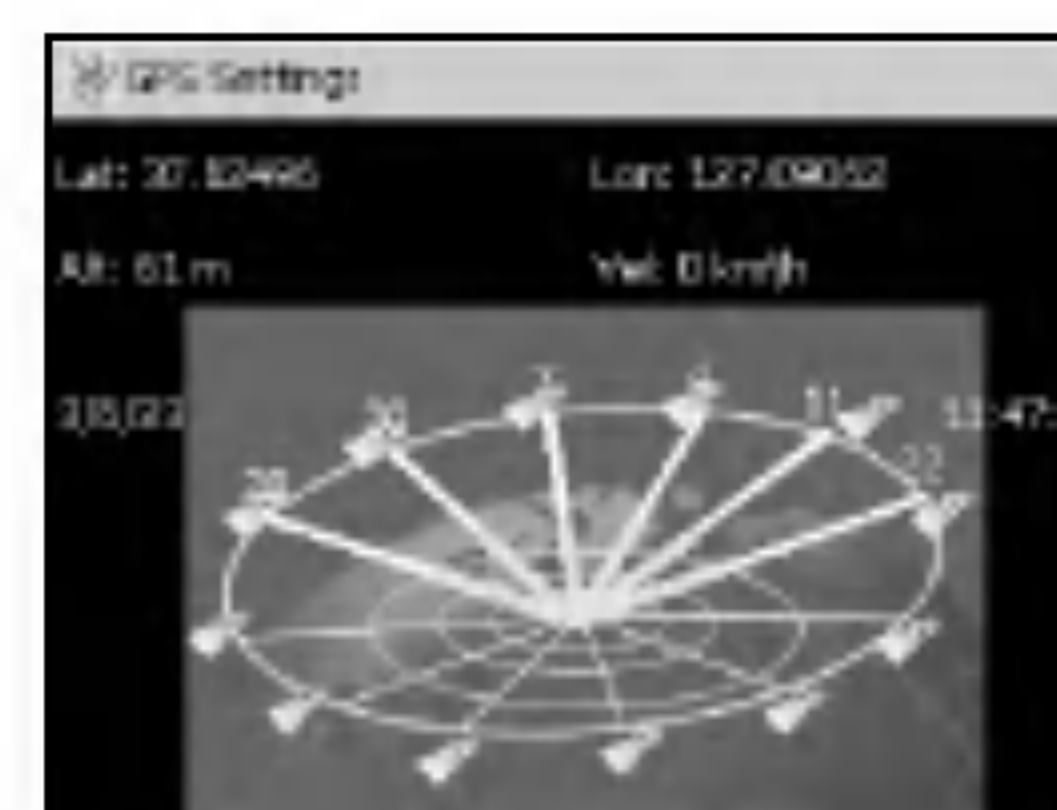


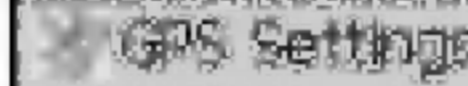

The Settings Menu allows you to change the settings which determine how your route is calculated or displayed.

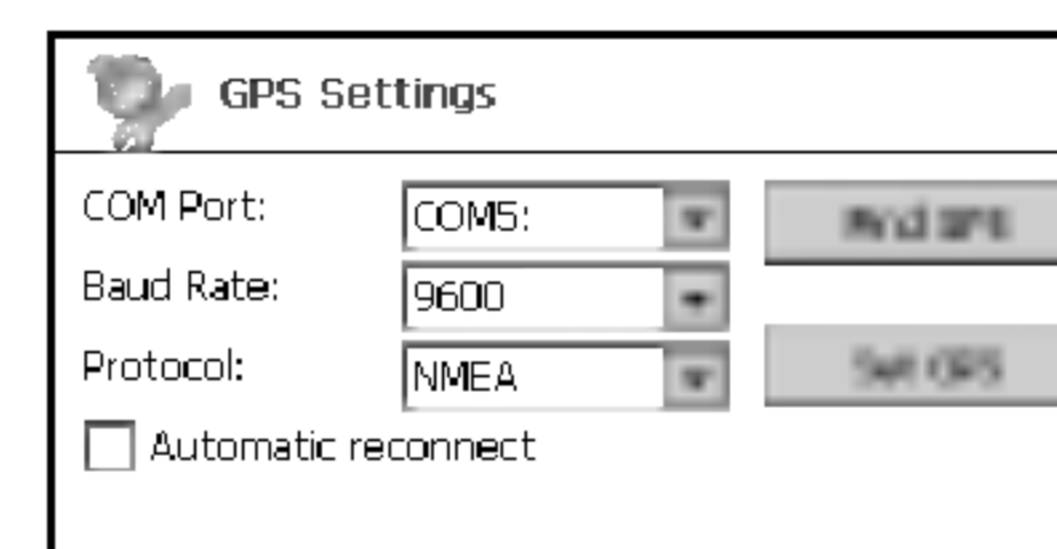
GPS status and settings



The Navigation uses GPS signals to pinpoint your location. In Navigation mode, the software automatically acquires GPS signals and constantly updates your vehicle's location and position. The GPS may take a few minutes to find its current location initially. For best results, ensure that the GPS has a clear view of the sky.



To view your GPS configuration, click on the . You can access this button via the Settings Menu → GPS Status, or by clicking on the  icon on the map screen.


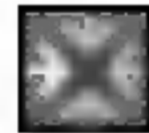


- **COM Port** : Defines the Communications Port.
- **Baud Rate** : Transmission rate of data.
- **Protocol** : Default is NMEA.
- **Find GPS** : Searches for and locates the GPS signal.
- **Set GPS** : Sets the GPS Configuration.

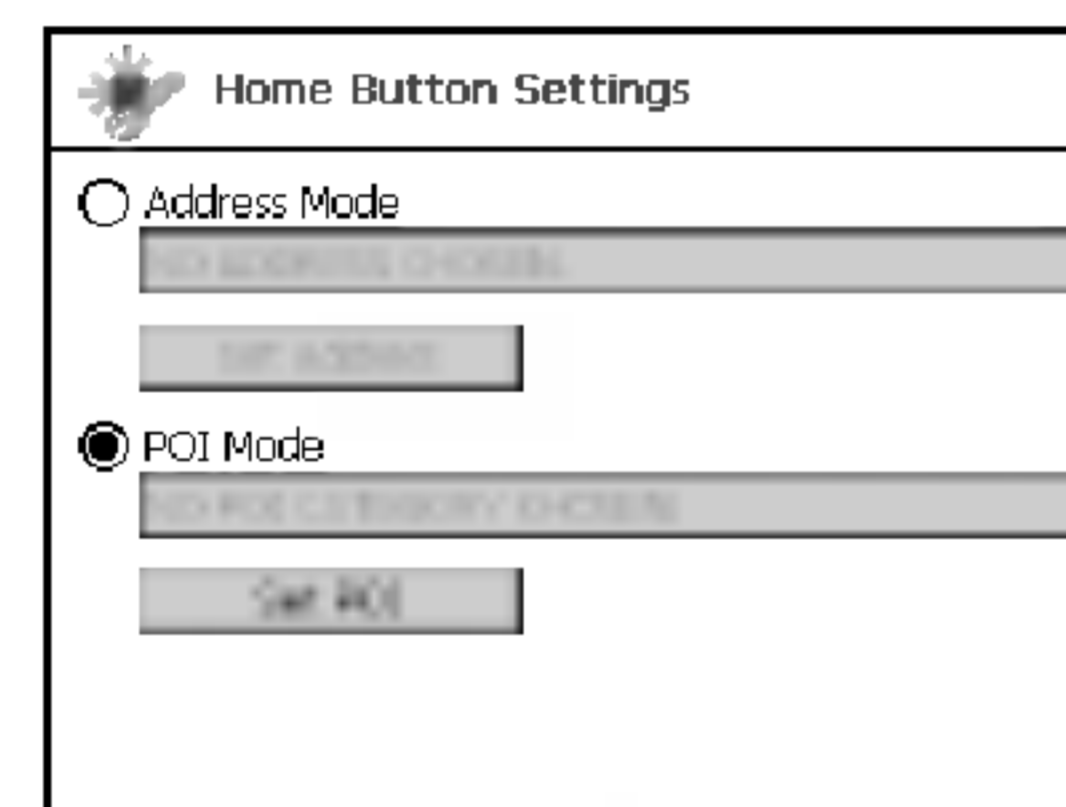
Settings

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Home button settings

 The Home Button Settings button lets you define an address or POI as your home destination. Whenever you want to navigate to your home destination (for example, the nearest gas station), click  icon.

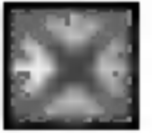
In the Home Button Settings screen, select either POI Mode or Address Mode to set your desired destination.




Home Button Settings

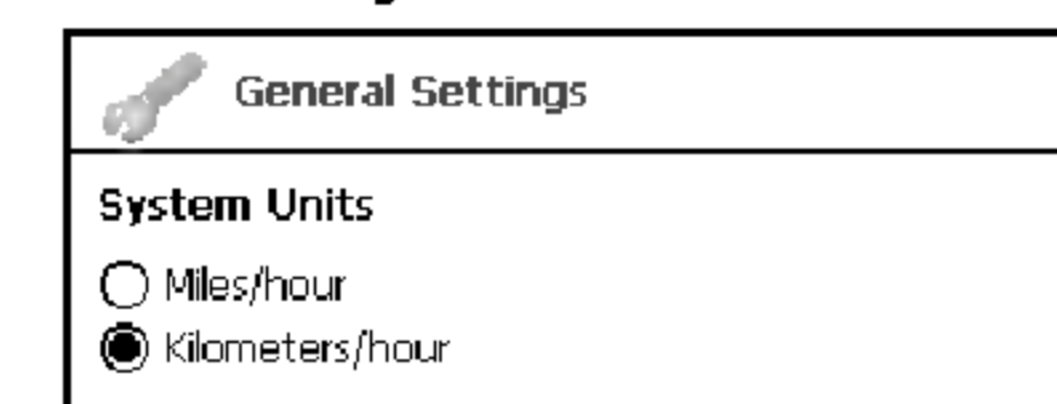
Address Mode

POI Mode

Now, when you click  icon, the Navigation will automatically calculate a route to this destination.

General settings

 The General Settings screen allows you to choose the unit of measurement for your route.



General Settings

System Units

Miles/hour

Kilometers/hour

All distances are displayed in imperial or metric units.

- Imperial (Miles and yards)
- Metric (Kilometers and meters)

Settings

Map settings



The Map Settings screen lets you customize your map display.

Map Settings	
Map Orientation	Map Font
<input checked="" type="radio"/> Forward is up <input type="radio"/> North is up	<input type="checkbox"/> Use large labels
Zoom Mechanism	
<input checked="" type="checkbox"/> Automatic zoom	

Map Orientation

- **Forward is up**
Orients the map so that your forward direction is always at the top.
- **North is up**
Orients the map so that north is always at the top.

Zoom Mechanism

- **Automatic Zoom**
Ensures that the zoom will return to its previous level after several seconds of inactivity.

Map Font

- **Use large labels**
Increases the size of street names to make the map easier to read.

Route settings



The Route Settings screen lets you choose the parameters for route calculation.

Route Settings	
Routing mode	U Turn Usage
<input type="radio"/> Navigation mode <input checked="" type="radio"/> Planner mode	<input type="checkbox"/> U Turn enabled
Route generation	
<input checked="" type="radio"/> Quickest route <input type="radio"/> Shortest route	

Routing Mode

- **Navigation Mode**
Provides voice instructions as you drive. This mode is the one you will use most frequently. Destinator ND uses the satellite-based global positioning system (GPS) to constantly detect your current position. As you drive, your location is compared to the destination you have chosen and you will be constantly provided with accurate driving directions. Even if you accidentally drive off course, Destinator ND will direct you back on track.

Settings

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- **Planner Mode**
You set an origin and a destination, and Destinator ND displays a map that shows you the route. In this mode of operation, the satellite-based global positioning system (GPS) is not used. Your current position is not detected and Destinator ND does not keep track of your driving progress. Use Planner Mode for trip planning.

Route generation

- **Quickest route**
The navigation calculates the route by picking the shortest distance and highest speed limits.
- **Shortest route**
The navigation calculates the route by picking the shortest distance.

U Turn Usage

- **U Turn enabled**
If you select this option, the route will be calculated by including any U Turns that are needed. If you clear this option, the route will be calculated without any U Turns. (This feature is included because some drivers prefer not to make U Turns.)



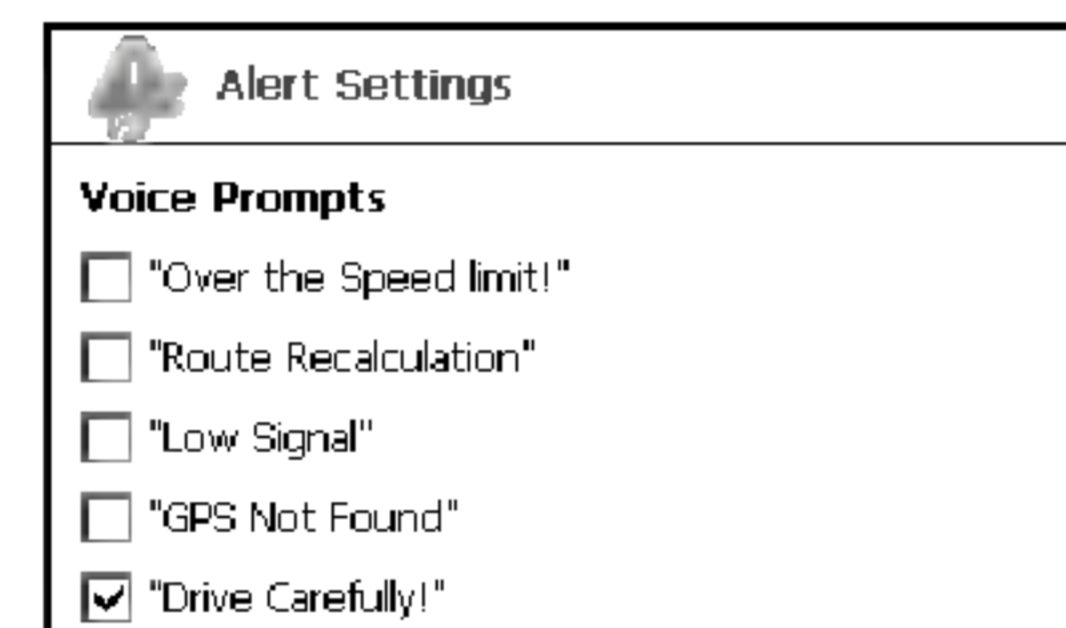
Route generation excludes any detours, stops or delays along the route.

Settings

Alert settings



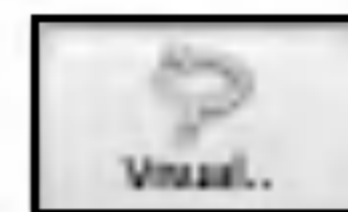
This screen displays warnings and alerts which, when selected, will provide voice prompts.



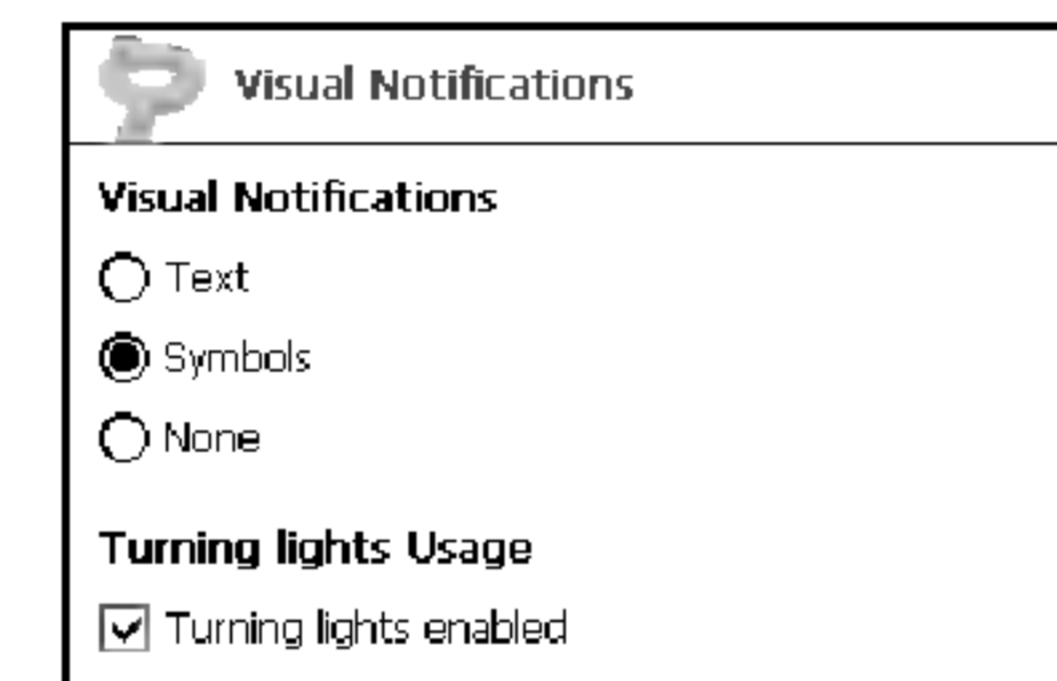
Voice Prompts

- **Over the Speed Limit**
Gives you a voice prompt when your car exceeds the speed limit on this section of the road.
- **Route Recalculation**
If you deviate from the original route, Destinator ND automatically recalculates a new route and updates ETR and distances.
- **Low Signal**
Warns that you are in an area of low GPS signal.
- **GPS Not Found**
Alerts you if the GPS signal is lost, or if power is removed from the GPS receiver.
- **Drive Carefully**
Friendly reminder at the start of each journey.

Visual notifications



The Visual Notifications screen lets you choose how the Navigation notifies you of your upcoming turns.



Visual Notifications

- **Text**
Visual notification is displayed in written form.
- **Symbols**
Visual notification is displayed in pictorial form (as an arrow diagram).
- **None**
No visual prompts are displayed.

Turning lights enabled

- **Turning lights enabled**
Select this box to enable the Turning Light feature.

Settings

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Visual notification is displayed in written form. There are red or blue LED lights installed on both sides of the Navigation Device. The Navigation Device software prompts the lights to indicate upcoming manoeuvre.

The LED's on the right side of the device will indicate turns and exits to the right, and the LED's on the left side of the device will indicate turns and exits to the left.

When the turning lights feature is enabled, the LED's will blink at a rate of once per second at the following distances from the manoeuvre.

- At 500 meters from the manoeuvre, the blue LED will blank for 5 seconds.
- At 250 meters from the manoeuvre, the blue LED will blank until you are 30 meters from the manoeuvre. (The blinking will stop after 1 minute).
- At 30 meters from the manoeuvre, the red LED will blank until you reach the manoeuvre. (The blinking will stop after 30 seconds.)

Recalculating or canceling your route will stop will the LED's from blanking.

Look & Feel



The Look & Feel screen allows you to customize the sound and appearance of the Navigation.

Look & Feel	
Voice Prompts	Default
Skin	Default

Look & Feel Screen

- **Voice Prompts**
Default or change to different voice. See Destinator Community at www.destinator1.com. Click on Community, login and select Skin Designer.
- **Skin**
Default skin or different skins, if available. See Destinator Community at www.destinator1.com. Click on Community, login and select Skin Designer.

The GPS function

State	3D	S/N	38.0(4)	Satellite	7/7		
PDOP	2.1	HDOP	1.2	VDOP	1.8		
<small>\$GPGGA,09.159,141,3707.4997,N,12705.4399,E,1,07,1.2,59.3</small> <small>\$GPGSA,A,3,25,14,06,30,16,20,01,,,,,2.1,1.2,1.8*38</small> <small>\$GPRMC,09.159,141,A,3707.4997,N,12705.4399,E,0.00,0307</small>							
	38	37	38	37	37	38	38
	1	6	14	16	20	25	30
PREV							GPS RESET

If your Navi appears to be unstable, please check the satellite acquisition signals received by the GPS antenna; tapping into the "GPS" menu and resetting the GPS status may help you to rectify the situation.

Once you get into the second screen, you will find something like a GPS dashboard.

There, 'State' gives the overall performance of the GPS antenna in terms of acquiring satellite signals, where V means failure and 2D/3D means success.

'Satellite' tells you which satellite signals are acquired (by the device's antenna) from all that are available.

PDOP is an abbreviation of Positional Dilution of Precision, HDOP of Horizontal Dilution of Precision and VDOP of Vertical Dilution of Precision.

The numerical values for three are literally 'the smaller, the better'.

At the bottom, you can see cells with unique numbers in them, which represent the respective satellites, and graphic bars with figures below them, which show the current detailed status in obtaining a signal from each satellite.

If you want to start afresh, tap the Reset button. The GPS antenna will start all over again. When you change of area, it is recommended to press on the reset button.



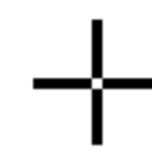
When pressing the GPS RESET, it can take long to locate of the GPS satellite. (Generally it is recommended not to press it.)

Calibration

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The CALIBRATION function

Carefully press
and briefly hold stylus on the center of the target.
Repeat as the target moves around the screen.
Press the Menu Button to cancel



If the touch screen of your device doesn't seem to work correctly - not responding accurately to your stylus taps - you can adjust it with CALIBRATE, the screen-measuring function.

After this adjustment, the LCD display screen may be able to perform and react correctly.

If the touch screen of your device doesn't seem to work correctly - not responding accurately to your stylus taps - you can adjust it with CALIBRATE, the screen-measuring function.

After this adjustment, the LCD display screen may be able to perform and react correctly.

To begin the calibration, tap and hold the center of the target. When the target moves to another position, tap and hold again.

Repeat the same step to complete the adjustment.

Once the calibration is complete, a new screen with a message starting "New calibration settings have been measured" will appear.

If you feel OK with the changed settings, just touch the screen.

Otherwise, press the  button to return to the original menu.

The BRIGHTNESS function




Initially your device has the backlight set to a default setting.

However, according the time of day – daytime or nighttime - or other physical conditions or personal needs, you can select the most suitable navigation view, at the most comfortable level, by adjusting the brightness of the screen.

Once you customize it, the settings will remain till the next change.

To open the BRIGHTNESS screen, tap the 'BRIGHTNESS' button on the home screen. Three icons will appear there, each indicating a different degree of brightness; the one at the left provides the darkest LCD, the one in the middle gives a moderately lit LCD, and the one at the right produces the brightest LCD screen.

By tapping, just choose whichever you wish. If you are completely satisfied with the change you have made in the brightness setting, just touch the "SAVE" button on the screen – unless, that is, you want to undo the change by clicking .



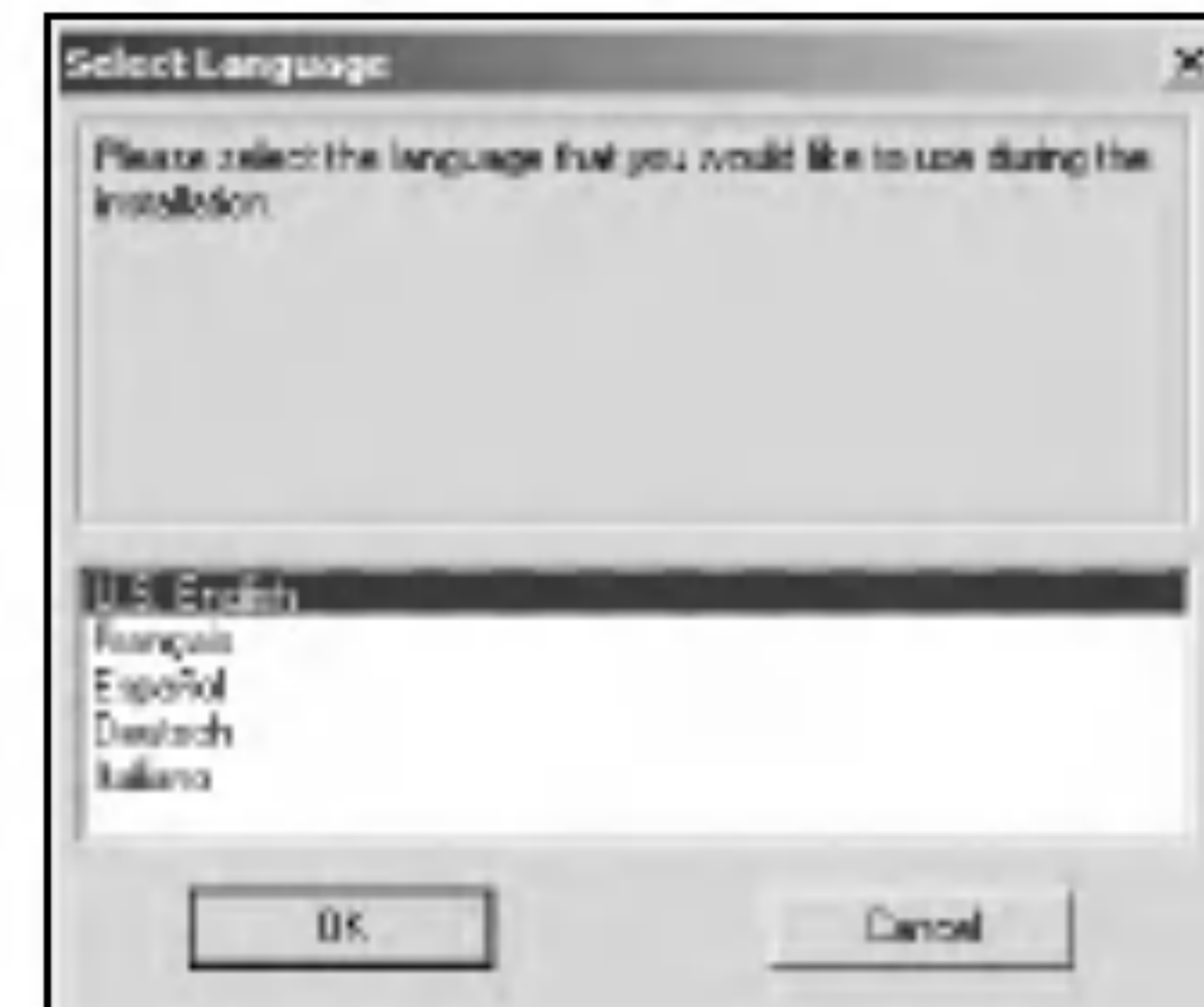
Brightness setting is not available without connecting to AC adapter.

Installing software

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This chapter will guide you through the Navigation installation, map installation, and activation.

- 1** Insert the Navigation software CD into the PC's CD-ROM drive, and the Navigation software installer screen appears automatically.



- 2** From the Select language pop-up highlight your language preference and click "OK".

- 3** After reading the Welcome message click Next.

- 4** We recommend that you use the default directory on your PC and click Next. Or, if you wish to install to a different installation directory click Browse and follow the onscreen instructions.

- 5** Select the default Destinator language for your Navigation. Click "Next".

- 6** An installation confirmation window is displayed. Click "Next".

- 7** A status window indicates the progress of the installation.

- 8** Click "Finish" to exit installer program.



This program needs the following minimal system requirements for your computer.

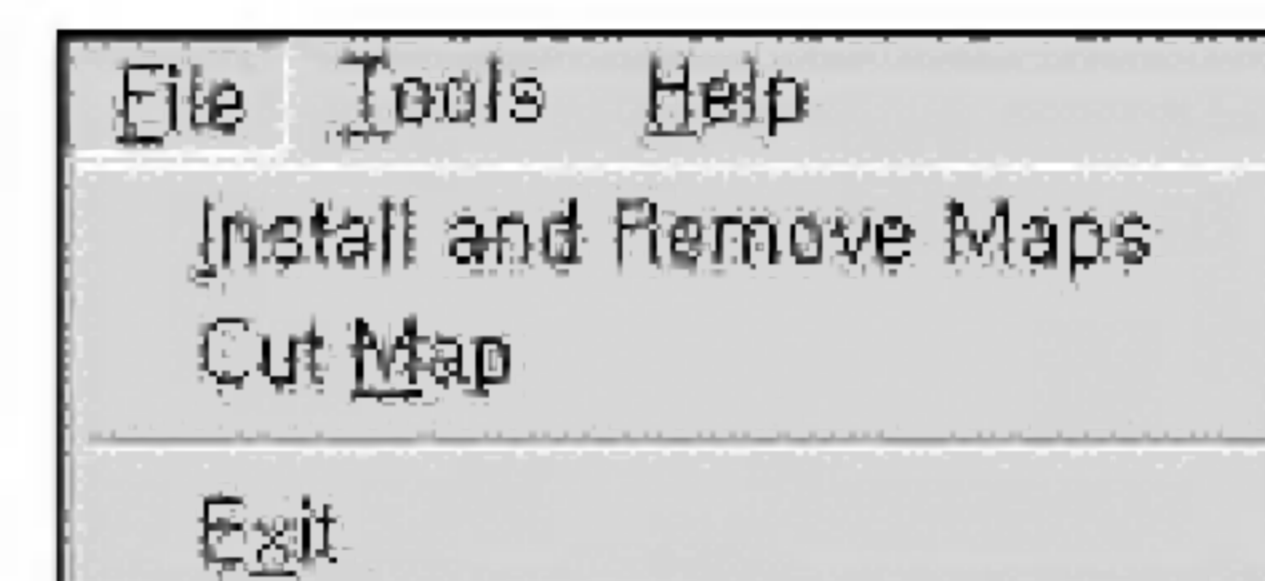
OS : Windows 98SE/ME/NT/2000/XP
HDD Space : At least 500MB

Menu and Toolbar overview



Toolbar

- **Install / Remove Map**
Dual function of installing new or self created maps or removing old not used maps to save memory.
- **Cut Map**
Allows you to create and cut own selection of map(s)
- **Favorites Importer**
You can download a list of locations from your PC to your Navigation device to any category within Favorites.
- **Quick Activation**
Launches the process for activating your Navigation device using the Quick Activation method. If you have a PPCPE device, you might consider activating your product by using the SMS Activation method described in Section 3.4 SMS Activation.

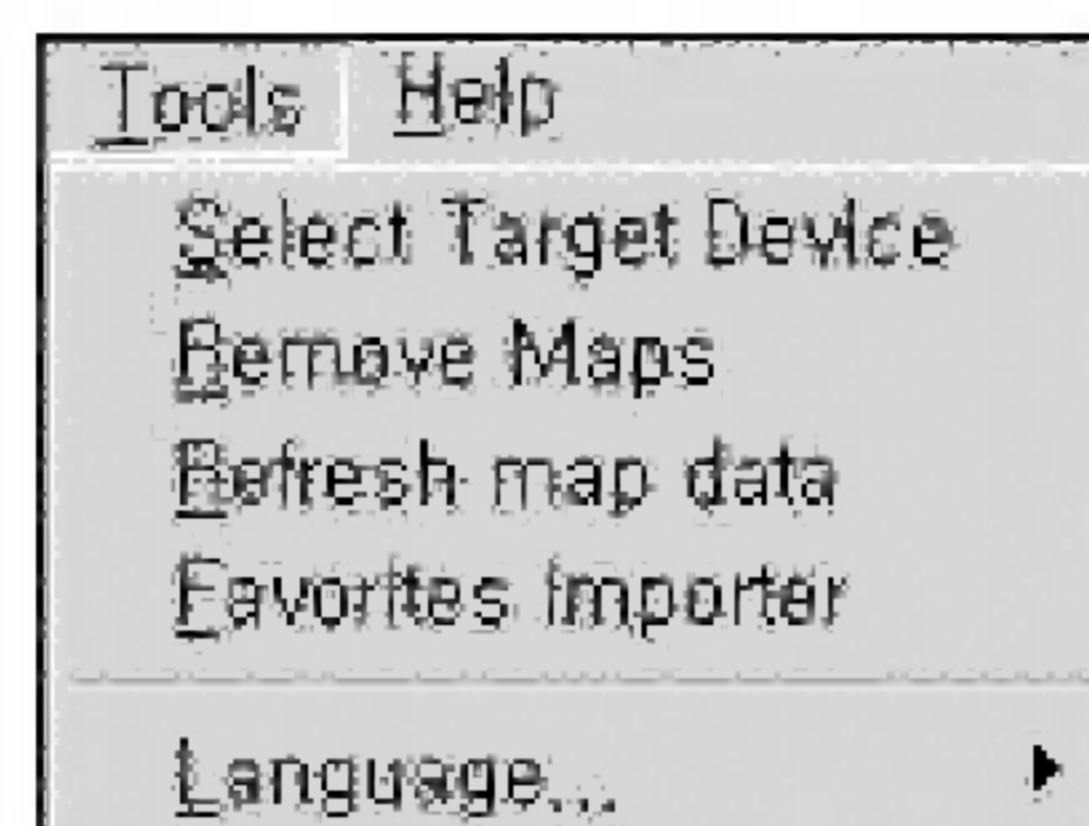


File Menu

- **Install and Remove Maps**
Install new or remove old maps.
- **Cut Map**
Cut your selection from a large map.
- **Exit**
Close down the program.

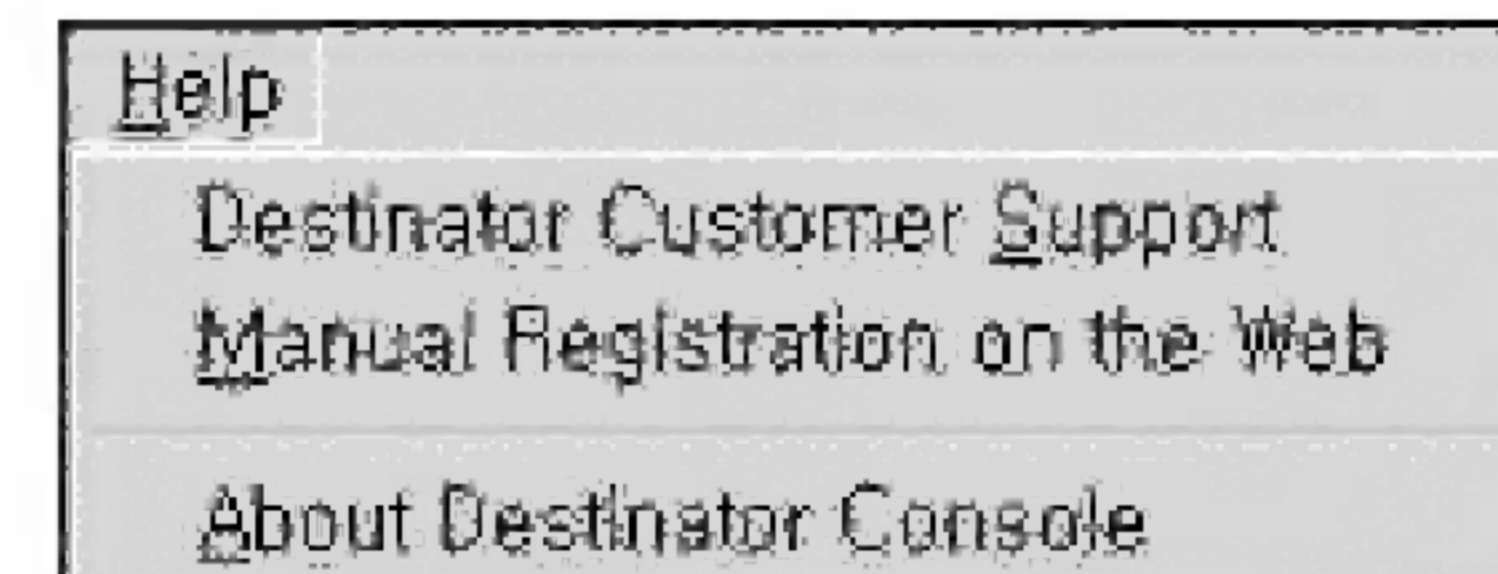
Using software

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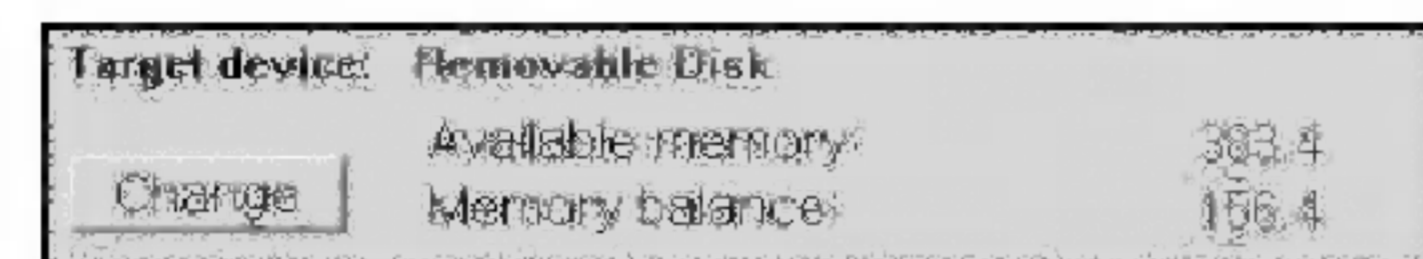
Tool Menu

- **Select Target Device**
Select where to load map.
- **Remove Maps**
Remove old or unused maps to save on memory.
- **Refresh map data**
Load new map(s) and refresh installed map window.
- **Favorites Importer**
You can download a list of locations from your PC to your navigation to any category within Favorites.
- **Language**
Select your Language to install Destinator in (default English).

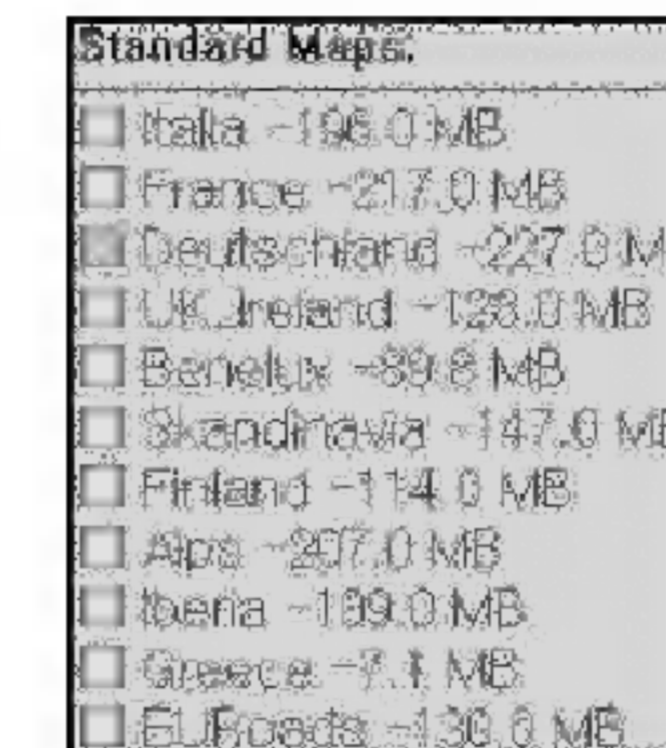



Help Menu

- **Destinator Customer Support**
Contact Destinator information.
- **Manual Registration on the Web**
Destinator Community Registration web page.
- **About Destinator Console**
Version of Destinator Console.

Install the map(s)

- 1** From “Target device” Click Change to choose where to install maps.
You can install the map(s) to the navigation main memory, to a storage card plugged into the external Flash Reader with Removable Disk.
- 2** In the Select Target device dialog, highlight where to install maps (eg: Storage Card) and click “OK”.
The Target Device window displays the size of the map(s), and the available room on the storage card or main memory.

Select maps to load

- 1** Select the map(s) you wish to load by clicking on the map image or selecting them from the list.
(√) represents a selected map to install.
- 2** Click  icon.
A Confirmation Dialog is displayed. Press the “OK” button to install the map(s), or the “Cancel” button to exit map installation and return to select map(s).
A status window will indicate the progress of the map installation.
- 3** When the map installation has completed, a successfully loaded message appears. Press “OK”.

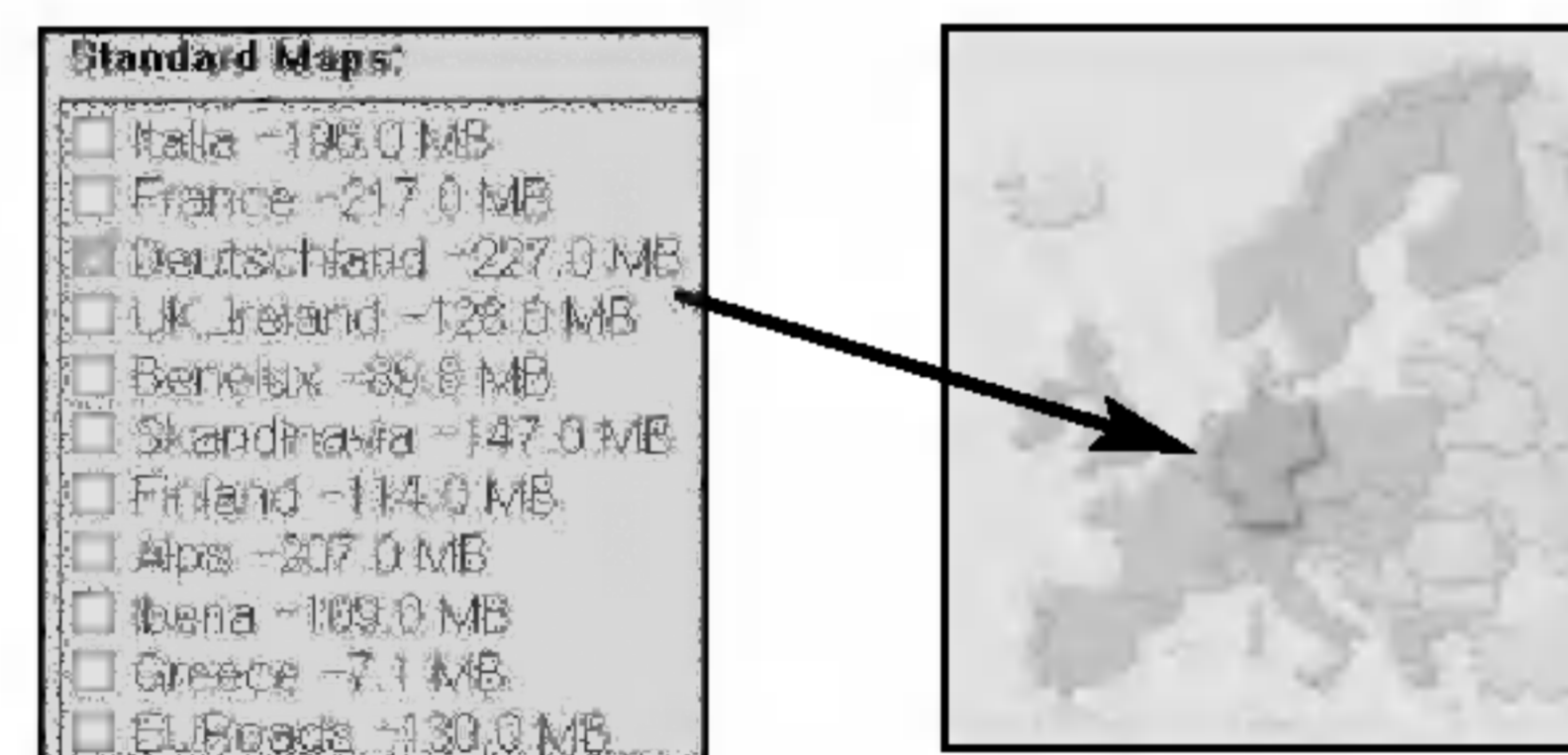
Using software

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Creating your own maps

Living in “A”, but need only the map and driving directions for “B” ? Well Destinator has made that easy with its simple to use Cut Map tool.

- 1 From “Standard Maps” window select the map(s) you wish to load by clicking on the map image or selecting them from the list. (✓) represents a selected map to install.




- 2 Click  icon.

A Confirmation Dialog is displayed, press the OK button to install the map(s), or the Cancel button to exit map installation and return to select map(s). The selected map is temporarily loaded to hard disk.

- 3 The map is displayed on screen - Then

Click  icon on a section, zone, selected area or city of interest.

- 4 Use the toolbar for “Address” or “POI” selection, to “Zoom”, to select a sub-region, or “Crop” (to select a rectangular area to be cut).

- 5 Click  icon. (Draws a Rectangle around area to cut – your selection)



Cutting map(s)



- 1 Click  icon to create that selected zone (map).



- 2 Enter an unique name as the new map name.
- 3 Pressing "Estimate" gives the size of the selected map. Do you have enough memory available? Click "OK".
- 4 Click "Cut".
To automatically store the newly cut map on your computer. Destinator creates a default directory on your computer, C:\DestinatorApps\New Maps, where all cut maps are stored.
- 5 Click "OK". From Maps Cutter, click "File" ➔ "Return to Console". (You are returned to the program).

Route cutting

Software supports route cutting, which allows you to create a map composed of a travel route. To create the route, you specify two or more points. After the route has been created you can create a map from it and download the map to your Navigation.

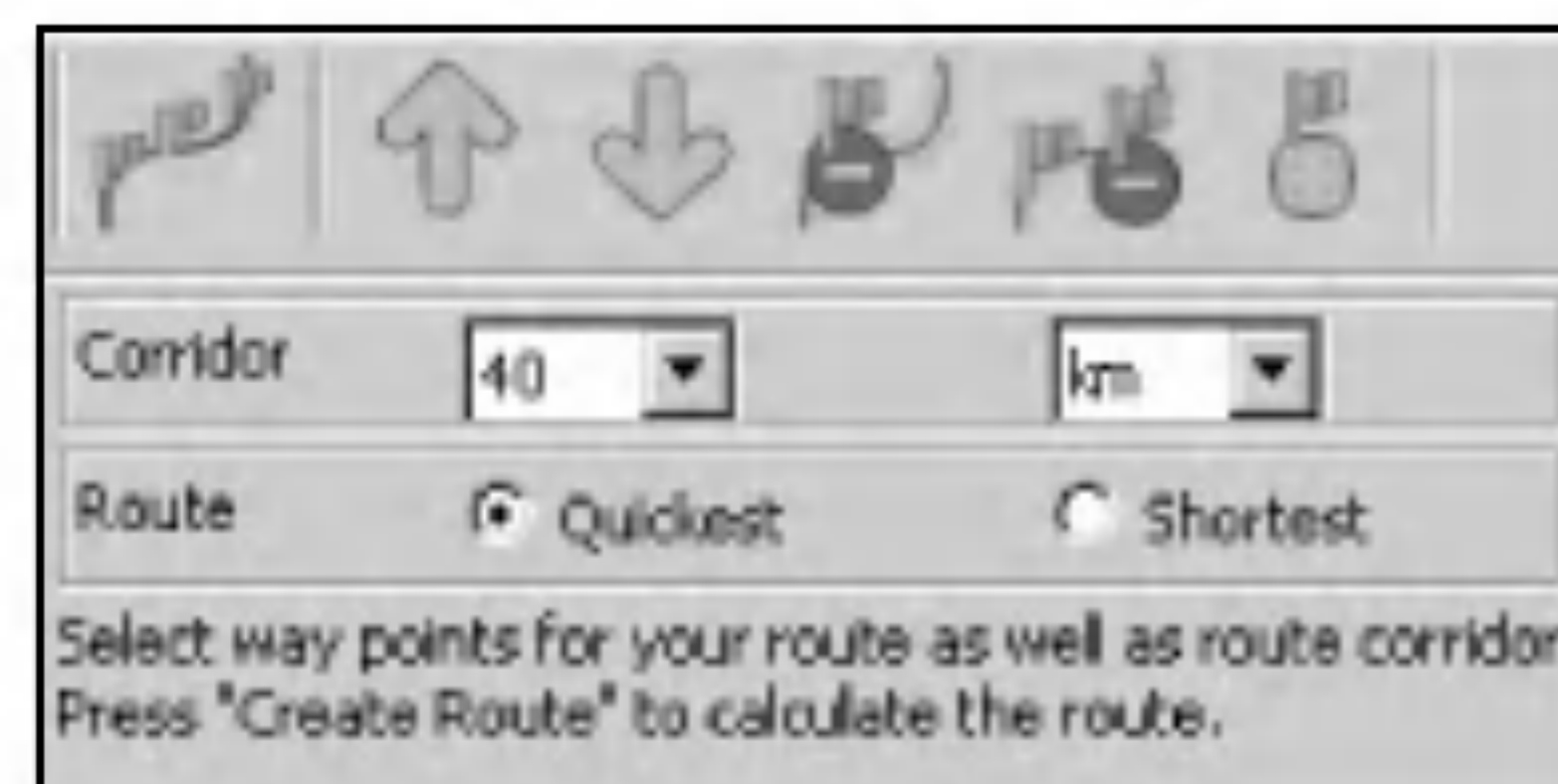
- 1 From the program, select one of the standard maps. The route you create will be restricted to the area of the predefined map.
- 2 Click  icon. An enlarged image of the map is displayed in the left-hand pane.
- 3 Click  icon. Notice the additional window that is displayed in the right-hand pane.


Using software



- 4** To establish a point on your route, click on the desired position on the map. A description of the point is displayed in the right-hand pane. To more precisely select a point, you can click on Address or POI as the next section describes. The first point you define is considered the starting point of the route. A route must include at least two points.



- 5** Some tools you can use when creating a route:
- Corridor** - You can select how much surrounding area will be included along the route's path. You can also choose either kilometers or miles.
- Route** - You can select either the quickest or the shortest route to connect the points.



 : Deletes a single point from the route. First, highlight the point in the right-hand pane, and then click the icon.


 : Click on this icon to delete all points from the route.


 : Click on this icon to show highlighted point on map.

 and  : Changes the numerical order of the points on the map and in the right-hand pane. First, highlight a point in the right-hand pane, and then click one of these icons.

Using software


6 When you have established all the points

on the route, click the  icon. Notice that all the points become connected by a blue line that is bordered by a corridor. You can use any of the tools described in step 5 to modify the route shown. If you modify the route, you will have to recreate the route by simply clicking on the Create Route icon again.

7 To create a map of the route, click  icon. You will be prompted to give the map a name. The map will be displayed in the "My Maps" section on the Navigation program. Then, you can download the map to your Navigation just as you would download any other map.

Selecting pre-put maps

1 Select map to load from Standard Maps.

2 Click  icon. The selected map is automatically loaded to hard disk and displayed in the Map Cutter window.



Do you have a specific "Address", "POI" or Region that you need to map? On the In Destinator Cutter, on the Toolbar select "Address", "POI", "Zoom" or sub-region to Cut.

Using software

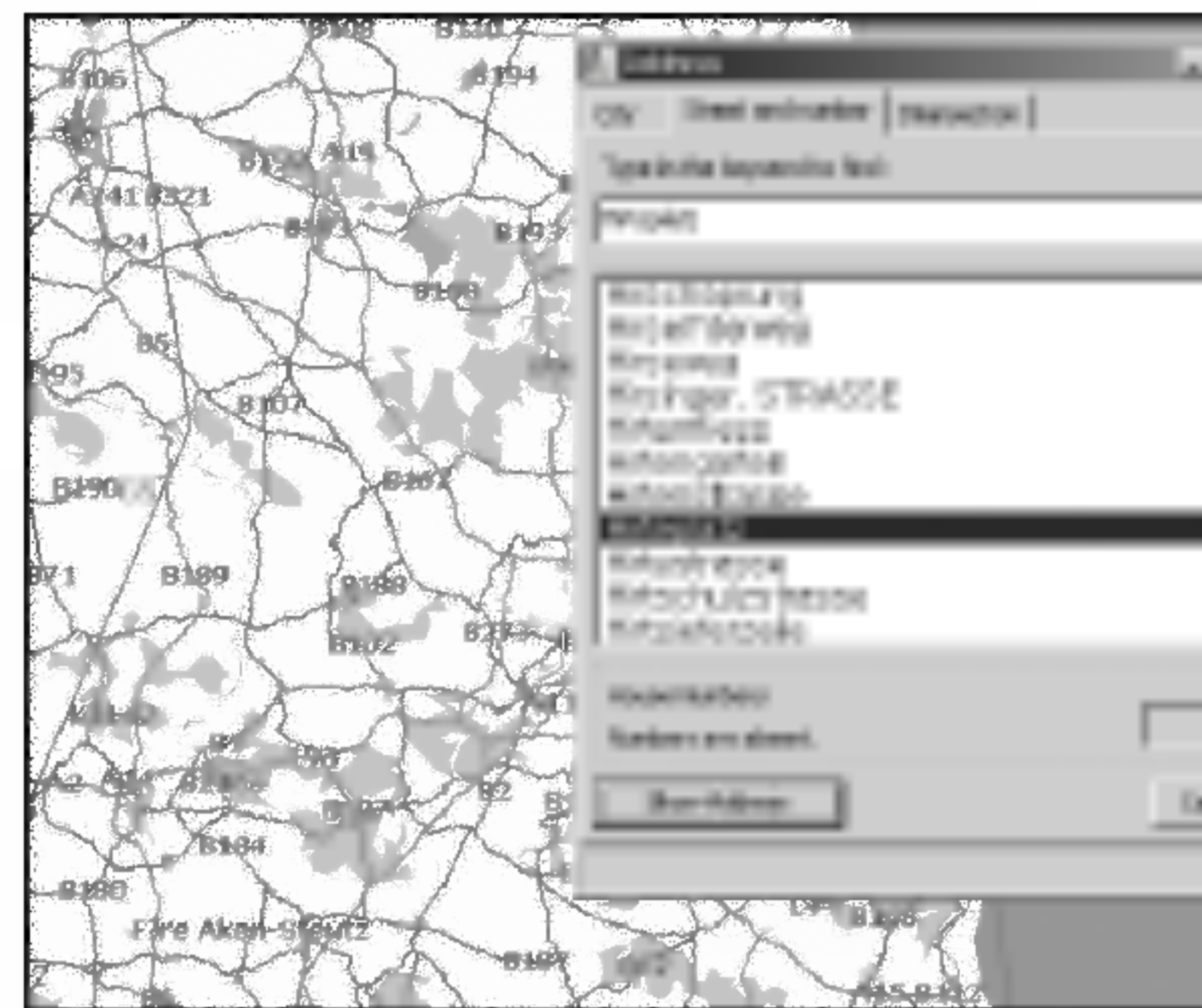
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3 If you have a address choose the Address




icon, select by: "City" → "Street and Number" → "Intersection".

4 Eg) "City" : Berlin → Street and Number : Hirteplatz → click "Show Address".






5 In the Map Cutter main view the map is updated and selected area to be cut is centered and marked.

6 From Toolbar, click  icon, select on the map where to draw rectangular zone to be cut. (Move your cursor to the area marked and draw a box around the previously marked area).




7 Click  icon to cut the selected zone.

Selecting map by intersection


If you need to select a map by Intersection:

- 1** From Toolbar → click  icon, then click “City” → “Intersection”.
- 2** First, click “City” then the 1st Street and then Intersection.
- 3** From the list, click 2nd Street.
- 4** The map view is updated and area to be cut is centered.
- 5** From Toolbar → click  icon, then on the map select where to draw rectangular zone to be cut.
- 6** Click  icon to cut the selected zone.

Selecting map by points of interest (POI)

- 1** From Toolbar → click  icon.
- 2** Select the POI eg: Golf Courses.
- 3** Select your Golf Course. (Ensure that it is highlighted).
- 4** From Toolbar → click  icon.
On the map select, with the mouse, where to draw Rectangular zone to be cut.
- 5** Click  icon to cut the selected zone.

Selecting by sub region

- 1** On the Navigation program select the main map to load from.
- 2** Click  icon.
The Destinator Map Cutter is displayed.
- 3** A list of sub-regions is, displayed on the right hand of the selected map. Click on the sub-region to download.



- 4** Click  icon to cut selected zone.

Loading Newly Created Maps

- 1** On the Navigation program, to refresh Standard Map dialog, Click Tools → Refresh New Map Data.
- 2** Select the map(s) you wish to load by clicking on the map image or selecting them from the list. (✓) represents a selected map to install.
- 3** In Target device, click “Change” to select where to install the map(s). You can install to Main Memory, Storage Card or Removable Disk (External Reader). You are, prompted to select the target device where maps are to be uploaded.
- 4** Choose one (highlight) eg: Storage Card, click OK. Confirm that there is enough memory to install map.

Using software

5 Click  icon.

A pop-up message requiring confirmation appears.

6 Press “Yes” to load map.

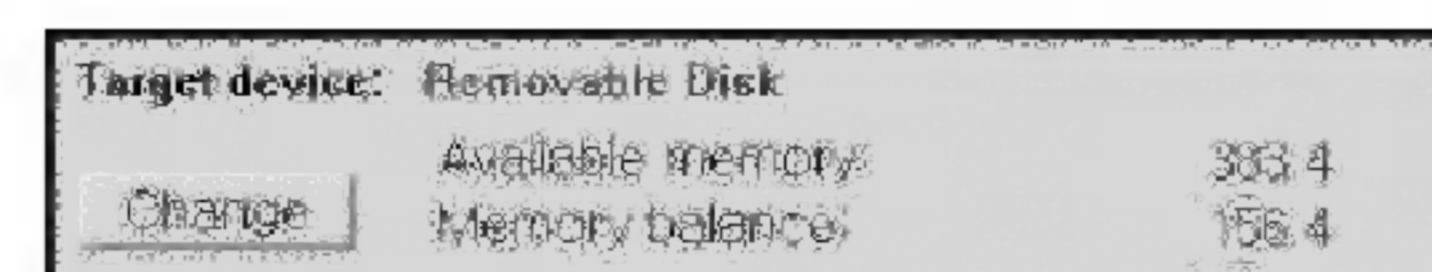
Destinator Console will display a progress window to let you monitor the installation’s progress.

7 When the map installation has completed, a Successfully loaded message appears. Press “OK”.

Removing map(s) from memory

If you do not have Destinator Console launched:

1 Insert the Destinator Disk, into the CD-ROM in your desktop computer, this automatically launches the Destinator Console.



2 In Target device click “Change”, select from where (which memory) to remove map(s). This will update the Installed Maps Window.

3 The Installed Maps Window displays a list of all the loaded maps available. Click in the check box (✓) beside the map(s) you wish to remove.

4 Click  icon to remove the selected map.



Using software

- 5** Destinator requires that you confirm that you wish to remove the selected map(s).
- 6** Press “Yes”, the selected map(s) are removed from memory.

Cannot identify the current location. (GPS not receiving)

GPS cannot be used indoors and must be connected to the power with a cigarette jack to a vehicle in a location where the sky can be seen well.

When initially connecting the GPS, it usually takes about 10 minutes to be normally operating, but the connection speed can differ depending on the weather condition, and surrounding obstacles.

If the GPS connection is unstable for a long period of time, try the following.

- Check if the power is connected to the product.
- Check if the back of the GPS product is in a location where the sky can be seen well.
- If there are high buildings or if you are under a tree, move to a location where there aren't any obstacles.
- Check the GPS receiving condition from the GPS menu.

Cannot hear the voice guide.

You can hear the voice guide when you select the Settings > Alert Settings.

But during actual driving, the voice guide is provided.

If the volume is too low, adjust the volume on the bottom right side.

There is a difference between the driving road and the road on the map in the product.

Even though GPS is usually very accurate, it has an error range.

When GPS receiver is installed, there can be an error of about 5 to 15m. But for newly constructed roads, the problem could be from the data update to the map.

Troubleshooting

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Cannot see the map.

This is when you cannot see the map even when you have executed the navigation menu. This happens when the data within the SD memory card is damaged. Delete all the data within the SD memory card and newly install the data. If the issue persists after the installation, contact the A/S center.

Map data and dangerous area information are not newly updated.

You must periodically update the map data. Refer to the homepage (www.destinatoreurope.com) for details on how to update the data.

Lost the SD memory card.

If you have lost the SD memory card, you cannot use the navigation function. You must separately purchase the SD memory card. (A/S center).

Out of memory.

This is when you need extra memory to realize the navigation function. Because you need the memory for path search including the map data, you need at least 10MB of free space.



Troubleshooting

The path guide can be different from the actual path. (Path guide error)

- When the road is closely parallel.
- When the splitting road angle is very small.
- When there is an adjacent road when turning.
- When driving on a road that is narrowing fast.
- When driving through the mountain or where the road is too curvy.
- When the starting, passing and arriving locations are too close within 10km.
- When you have set the starting, passing or arriving location more than 1km away from the road.
- When driving through the tunnel.
- When driving through high buildings.

You can Map upgrade to add, change or improve the function of the Navigation. If you want to update the Navigation map that you purchased please contract the Call center. The updated CD will be sent free of charge.

Support-Hotline

www.destinatoreurope.com

For questions on Destinator products please visit our FAQ site or contact the Destinator Support Team.

Monday-Fridays : 09 : 00 am - 6 : 00 pm
E-mail : support@destinatoreurope.com
TEL : +49(0)1805 12 30 12
FAX : +49(0)1805 00 83 18

Glossary

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Abbreviation	Name	Description
COM PORT	Communications Port	The name of a serial communications port - Eg: COM1, COM2, COM3, and COM4.
EULA	End-User License Agreement	Is a legal contract between a software application author or publisher and the user of that application. The EULA, often referred to as the "software license," is similar to a rental agreement; the user agrees to pay for the privilege of using the software, and promises the software author or publisher to comply with all restrictions stated in the EULA.
ETR	Estimated Time Remaining	Estimated Time remaining to complete route. Does not allow for any delays.
FAQ	Frequently Asked Questions	List of Frequently Asked Questions with Answers.

Glossary

Abbreviation	Name	Description
GPS	Global Positioning System	The GPS (Global Positioning System) is a "constellation" of 24 well-spaced satellites that orbit the Earth and make it possible for Vehicles/ people/ assets enabled with GPS receivers to pinpoint their location.
Lat	Latitude	An imaginary parallel circular line (East / West) around the earth, the same distance, north or south from the equator – expressed in degrees.
Long	Longitude	An imaginary circular line on the surface of the earth passing through the North and South poles at right angles to the equator - expressed in degrees.
Orbit	Orbital path of a Satellite	Path or trajectory of a body through space. A GPS satellite traces out an orbit about the earth.
POI	Point Of Interest	A place or item of interest along the selected route.

Specifications

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ITEM		REMARK
OS CPU MEMORY	Win CE Samsung ARM9 300 Mhz External SD Card	
DISPLAY	4 inch TFT LCD Resolution 320 X 240 Color 65,000 Backlight Touch Screen	CCFL type (L-type)
AUDIO	Stereo, Internal Speaker	Max 1.0W (2EA)
GPS	Sirf2, Internal Antenna	
NAVI	Full Map	Voice and Lamps Guidance
MAP	Navtaq	
POWER	DC 10.5~16V	Vehicle Power Cigar-jack Input
TEMPERATURE	Operating -10~60 °C Storing -30~80 °C	
Built-in BATTERY	720 mAh, 3.7 V	Duration Typical 30 min



Disposal of your old appliance

1. When this crossed-out wheeled bin symbol is attached to a product it means the product is covered by the European Directive 2002/96/EC.
2. All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.
3. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.
4. For more detailed information about disposal of your old appliance, please contact your city office, waste disposal service or the shop where you purchased the product.



This product is manufactured to comply with the radio interference requirements of EEC DIRECTIVE 89/336/EEC, 93/68/EEC and 73/23/EEC.

P/NO : 3834RR0032K