

DESTINATOR OP USER GUIDE



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Note:

The content of this document constantly changes, to reflect the latest changes in procedures, screens, buttons, icons, general improvements and updates to the Destinator OP software, hardware and maps.

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Note:

Some smaller (sub-) municipalities may not contain street data. In such cases, please choose the larger (super-) municipality displayed in parentheses to search for these streets. Alternatively, you can change the search order to Street>City or ZIP/Postal Code>Street to find street data for the smaller municipality.

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1

Welcome To Destinator OP

1.1 Introduction

Destinator OP is a full-featured mobile satellite navigation system.



It utilizes GPS (Global Positioning System) satellites to pinpoint your location utilizing the latest mapping data technology to get you to your destination in the most efficient and timely manner.

Destinator OP assists you in planning your route and it provides Turn by Turn, Voice and Visual instructions for getting to your destination.

1.2 Getting Help

An abbreviated Help file with basic Destinator OP navigational definitions and instructions is available.



At the map screen, press the  button, cycle to the Options Menu by pressing the  button, and

select .

1.3 Technical Support

In Europe

For answers to common questions and quick assistance see the Destinator FAQ for Registered Users online at: <http://www.destinatoreurope.com>, click Community, login and choose FAQ.

If you have other questions about Destinator OP, please contact your supplier or Destinator Technical Support via email at support@destinatoreurope.com or telephone +49 (0) 1805 12 30 12 *.

* for fees in your country please ask your telephone service provider


In North America

For answers to common questions and quick assistance see the Destinator FAQ for Registered Users online at: <http://www.destinator1.com/>, click Community, login and choose FAQ.

If you have other questions about Destinator OP, please contact your supplier or Destinator Technical Support via email at support@destinator1.com or telephone 1-866-798-0905 **.

** toll free

1.4 Getting Started

Your M0 device comes with the Destinator OP application already installed. Turn on the M0 device, and from the main M0 screen, press  to launch Destinator OP.


For information about changing the M0 device settings, see Appendix D – M0 Settings.

2

Navigating a Route

2.1 Introduction

This chapter will help you to define and plan a route. You will be able to select a destination, set your origin, or plan a journey. The route calculated in real time is from your current GPS position.

There are several ways to determine your destination using the **Menu** button (). You can navigate to:

- **An Address**
- **An Intersection**
- **A ZIP/Postal Code**
- **A POI (Point Of Interest)**
- **An Address in Favorites**
- **An Address In History**

2.2 Map Description

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

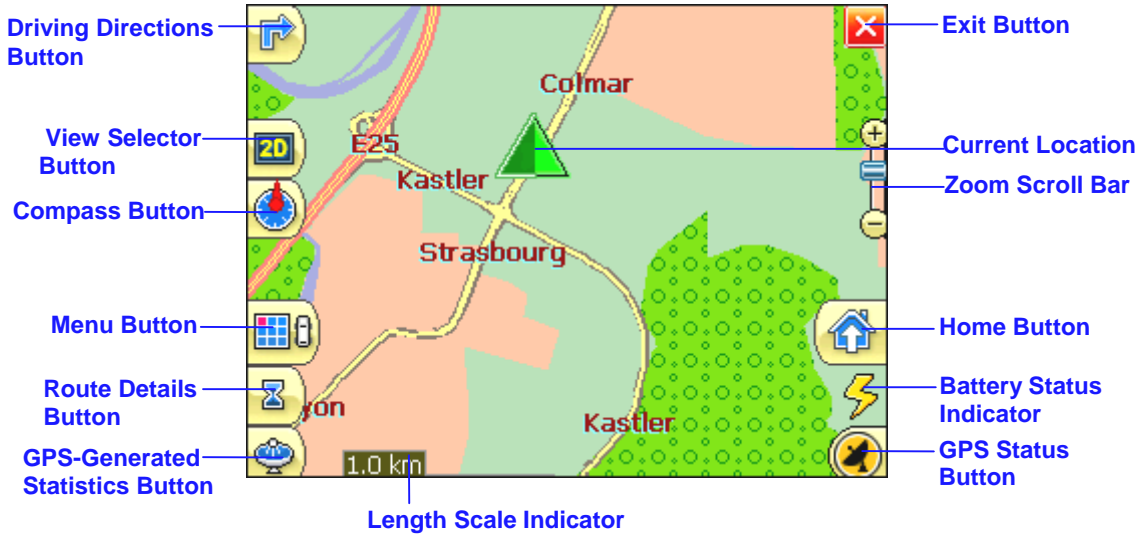








Figure 1 - Main Map View

Location Icons

 (or  in Pedestrian Mode) shows your current location while in **Navigation Mode**.

 (or  in Pedestrian 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.

 (or  in Pedestrian Mode) shows the Origin in **Planner Mode**.

See **Section 4.7 Route Settings** for descriptions of Navigation Mode and Planner Mode.

Dynamic cursor

Destinator OP's screen cursor has the capability to automatically change its appearance so that you will be informed of several important navigation conditions:

- The cursor indicates if you are in Car or Pedestrian mode
- The cursor indicates if you are driving at high or low speeds. The cursor becomes elongated at higher speeds and wider at lower speeds.
- The cursor displays a shadow that shows the position of the Sun. This is especially important if you are using Destinator OP in Pedestrian mode. By positioning yourself so that the shadow that you cast is in the same position as the shadow on the screen, you can be assured that you are walking in the right direction.
- The cursor shadow disappears during night driving.

Map Screen Buttons



Toggles between Turn by Turn details and a complete list of Driving Directions.




Toggles between 2D, 2D Night, 3D and 3D Night views. The icon indicates the next view to be displayed.






Shows magnetic direction as you move.



Lets you define and plan your route via the Destination Menu. Also allows you to access the Options Menu and Settings

Menu. Indicates whether you are in Vehicle Mode () or

Pedestrian Mode () . You can change modes by holding down the button for several seconds, or by opening the Options

Menu and pressing either  or  . In Pedestrian Mode, the navigation radius is restricted to 10 kilometres (6 miles).

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Displays details about your route, such as ETA, ETR and the distance to your destination.



Displays GPS-generated information, such as UTM (Universal Transverse Mercator), geographic position, current location, altitude, and speed. The icon indicates the next item to be displayed.



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.



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



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



Lets you exit from the Destinator OP application.



Menu Button



This button is shared by two functions: Vehicle Mode (



) and Pedestrian Mode (). You can toggle between these two modes by holding down this button for several seconds. In Pedestrian Mode, the navigation radius is restricted to 10 kilometres (6 miles).

Press the Menu Button to open the Destination Menu. Pressing the  and  buttons at the bottom of the screen allows you to cycle between the Destination Menu, the Options Menu and the Settings Menu as seen in Figure 2 - Menu Structure.

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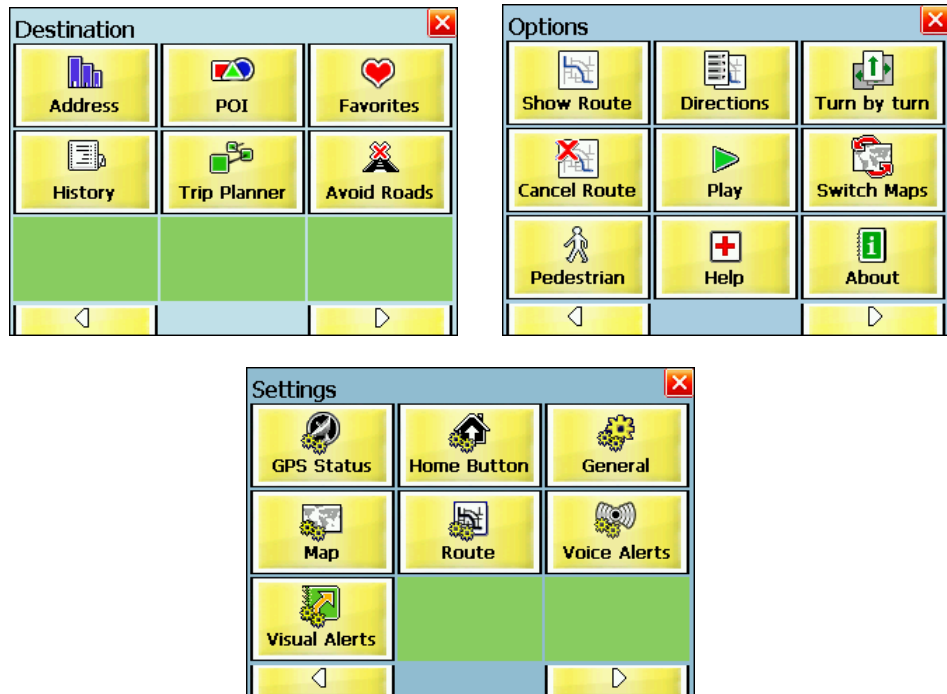

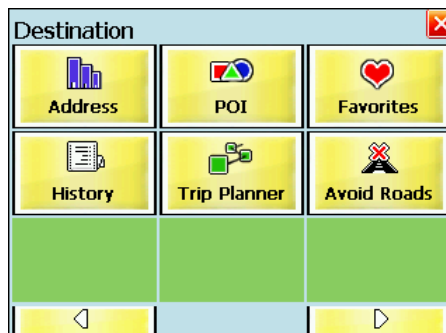


Figure 2 - Menu Structure

2.3 The Destination Menu

1. At the map screen, press the  button 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

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- From your current position, the route is calculated and displayed as a blue line. The green triangle represents your Origin (or departure point).

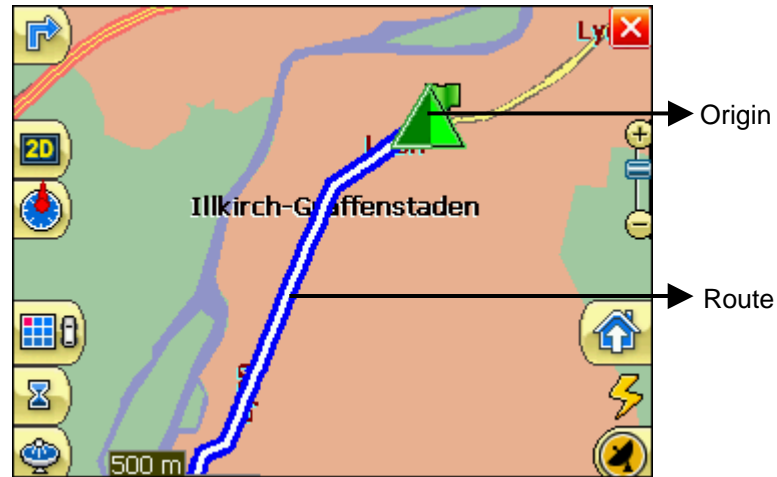


Figure 3 - Main Map View Dialog

2.4 Navigate To An Address (or Intersection)



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.

The **Cross Region Navigation** feature lets you navigate a route that extends across more than one region on the same continent, without having to switch maps. This feature becomes available only when you have the following maps installed: the map of your origin, the map of your destination, and a map of the major roads for that continent (e.g. major roads of Europe). When the **Cross Region**

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feature is enabled, you can press **Region** to display a list of installed maps, and select the map pertaining to your destination. Destinator OP will automatically change maps as you travel across regions, displaying your route at the same level of detail as you drive. You will not need to switch maps during your route.

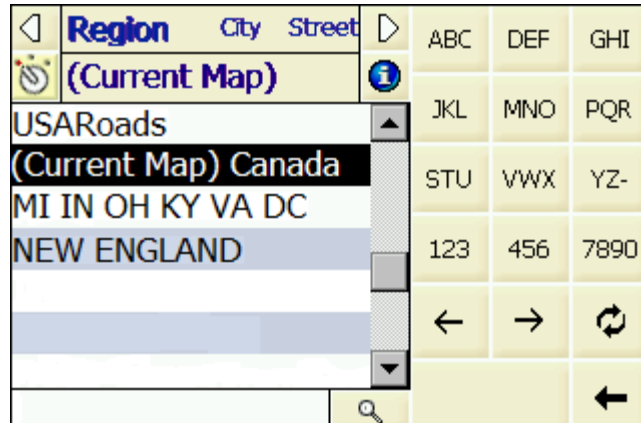



Figure 4 - Address Screen with Region Feature

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

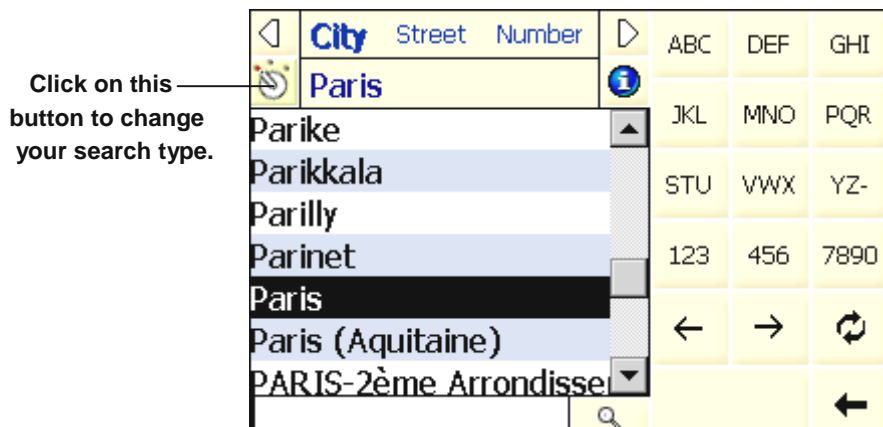


Figure 5 - Address Search Screen

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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 **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**.



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


For example, to navigate to an address using the **City -> Street -> Number** search order:


1. Press **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.)
2. Press **City** and use the keyboard to enter the first few characters of the city name. The scroll list will update accordingly. You can also change your keyboard from uppercase to lowercase by pressing the  button.
uppercase to lowercase by pressing the  button.
3. Press **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. Press **Number** and enter the number using the keyboard.


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




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


 **Show** Shows the destination on the map and displays its details.

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

As you drive, **Destinator OP** provides you with turn-by-turn voice and visual directions, letting you know when your next turn is coming up until you arrive at your destination.



If you don't know the entire name of a city or street, type in part of the name and press the  button. This will display a list of all names containing your typed sequence.

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

Note:

Some smaller (sub-) municipalities may not contain street data. In such cases, please choose the larger (super-) municipality displayed in parentheses to search for these streets. Alternatively, you can change the search order to Street>City or ZIP/Postal Code>Street to find street data for the smaller municipality.

2.5 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 (eg: 🍴 **Restaurants**). POI navigation is especially handy when you need to find a facility, attraction or amenity by category or type. For example, you can ask **Destinator OP** to guide you to the closest bank, mall, hotel, restaurant, gas station, etc.

The **Cross Region Navigation** feature lets you navigate a route that extends across more than one region on the same continent, without having to switch maps. This feature becomes available only when you have the following maps installed: the map of your origin, the map of your destination, and a map of the major roads for that continent (e.g. major roads of Europe). When the **Cross Region** feature is enabled, you can press **Region** to display a list of installed maps, and select the map pertaining to your destination. Destinator OP will automatically change maps as you travel across regions, displaying your route at the same level of detail as you drive. You will not need to switch maps during your route.

1. From the Destination Menu, press the **POI** button.
2. Press **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.)

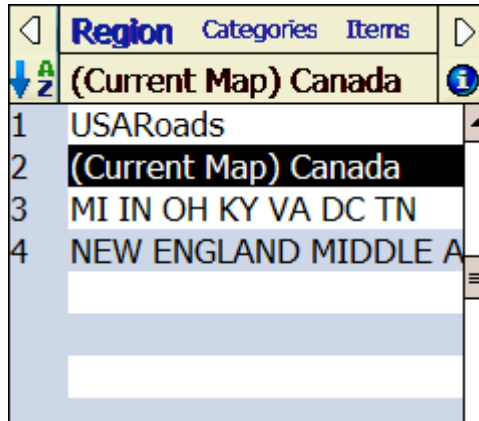


Figure 6 - POI Regions

3. Press **Category** and highlight your selection from the list of POI categories. For example, we can search for the nearest restaurant.

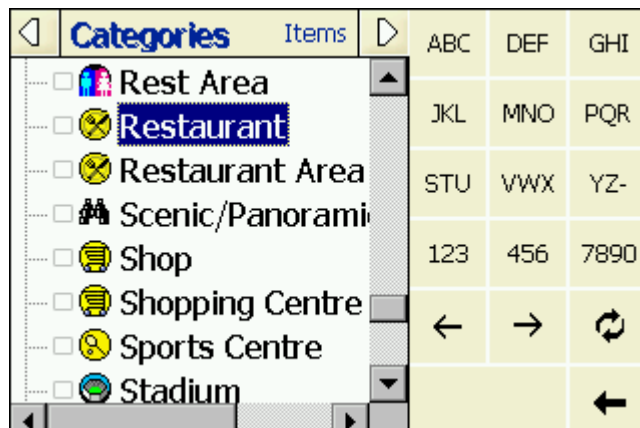



Figure 7 - POI Categories





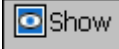
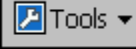
At this point, you can display all the items within a category on the map screen by tapping the button beside any of the categories.

When selected, the button will appear as . Press  on the M0 device to return to the map screen.

4. With Restaurants highlighted, tap **Items** to display a list of Restaurants in your area. The POIs are listed in

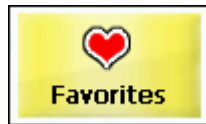
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order of distance. To sort them alphabetically, press the  button.

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 press  to add the destination to your Favorites or to set it as your Origin. Select Settings to define your Search Radius and Search Center.


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

2.6 Navigate To A Favorite


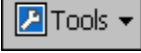


You can select a destination from your list of stored **Favorites**. (The next section describes how to save an item to your **Favorites** list.)

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, press the **Favorites** button. 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.


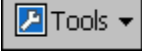
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4. You can also select  to preview your destination on the map, or press  to edit or delete your choice, or to set it as your Origin.

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

2.7 Save To Favorites

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

1. At the map screen, press the  button 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 the  button and select Favorites. The Edit Item Properties screen is displayed.


Edit Item				
Name	<input type="text"/>	ABC	DEF	GHI
Comment	<input type="text"/>	JKL	MNO	PQR
Categories	My Favorites 	STU	VWX	YZ-
	1, Place de la Bastille, Paris	123	456	7890
		←	→	↻
				←
	Save	Cancel		

Figure 8 - Adding An Item to Favorites

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4. Enter a name and comment that will help you recognize the item in future.
5. Enter a new category name (eg: Must see) or select an existing one and press **Save**.

Your favorite destination has now been stored for future use.


2.8 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.



Figure 9 - History List

1. From the Destination Menu, press the **History** button to display your list of previously traveled routes.
2. Highlight your selected History item and click  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  to preview your destination on the map, or press  to add the destination to your Favorites or to set it as your Origin.

2.9 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.

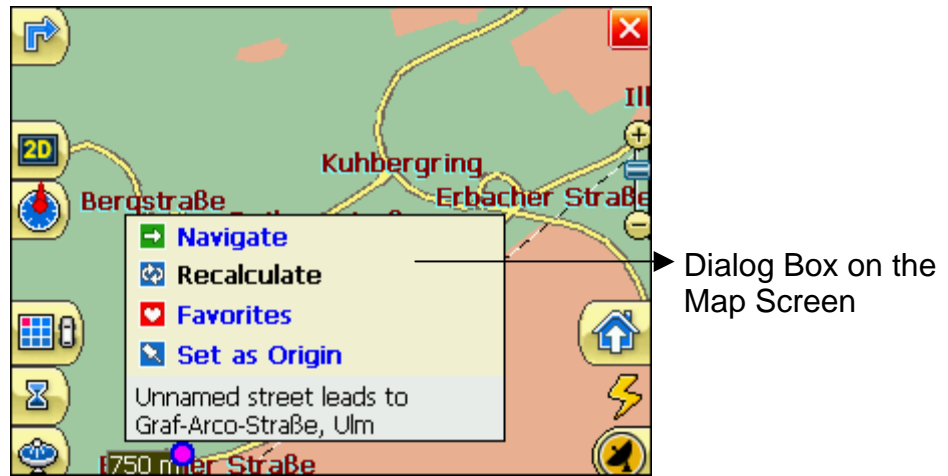


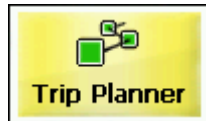
Figure 10 - Map Cursor Dialog

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.

2.10 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.



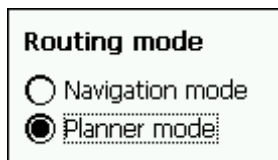
When you press , the Route is calculated in stages, from the departure point to the first waypoint. Once you've reached the first waypoint, the route is recalculated to the second waypoint, and then recalculated to the third waypoint, and so on.


How to Use Trip Planning

Use the following method to plan a trip:



1. Ensure you are in **Planner Mode**. To do this, press the  button and cycle to the Settings Menu.

2. Press Route Settings  and for Routing mode, select Planner mode.



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

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- At the map screen, press the  button and select **Trip Planner**  from the Destination menu.



Note: 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**.


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

Add/Edit Trip Properties				
Name	<input type="text" value="MY TRIP"/>	ABC	DEF	GHI
		JKL	MNO	PQR
		STU	VWX	YZ-
		123	456	7890
		←	→	↻
<input type="button" value="Save"/>	<input type="button" value="Cancel"/>			⬇

Figure 11 - Adding a Trip Folder

- Enter the name of your trip folder (e.g. My trip) and press **Save**. You can now enter the waypoints of your trip.

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

- Highlight your trip folder, and press **Waypoints** above to define your waypoints.
- From the tool bar at the bottom, click **Tools** and select **Add** to define your waypoints.
- Select the address of your first waypoint – be it an **Address, POI, Favorites** or **History** – and press .

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.

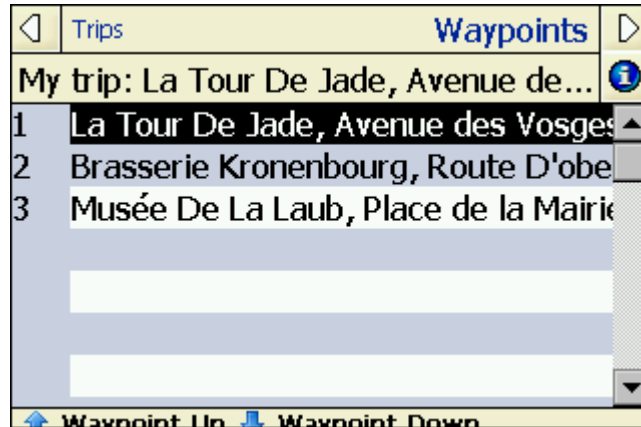






Figure 12 - Trip Planner and Waypoints Dialogs

11. Select the **Show**  button 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 > Optimize**, which will automatically sort the waypoints for the most effective and quickest route.
14. To calculate the route, press **Navigate** . The route is shown as a blue line from your current GPS position.



* Remember to change back to Navigational Mode. *

See **Section 4.7 Route Settings** for a description of Navigation Mode and Planner Mode.

2.11 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, press the **Avoid Roads** button to display a list of road categories.



Figure 13 - Avoid Roads (Restrictions)

2. To place restrictions on a desired road category, highlight **Restrictions** and press Use or Avoid to suit your preference. Press Add 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 press Use or Avoid. To preview a highlighted road on the map screen, press the Tools button and select **Show**.

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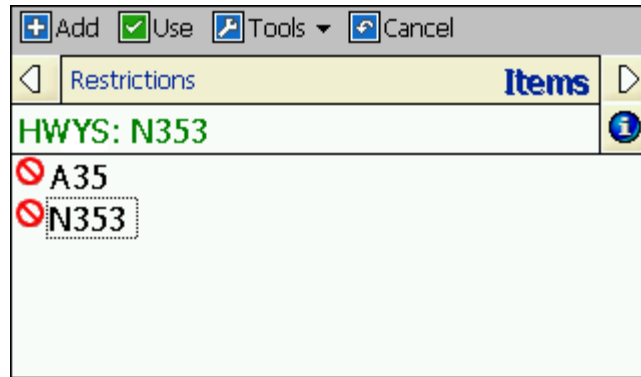



Figure 14 - Avoid Roads (Items)

4. Once you have specified your road restrictions, press  on the M0 device to return to the map screen.

3

Options

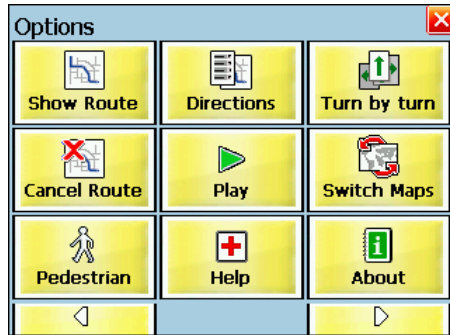
3.1 Introduction

There are various route and map options available from the Options Menu.

This chapter contains the following topics:

- Showing your Route
- Displaying Directions
- Canceling your Route
- Recording and Playing Back a Route
- Switching Maps
- Selecting Travel Mode
- Getting Help

3.2 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.

3.3 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 ETA (Estimated Time of Arrival), and the ETR (Estimated Time Remaining).

3.4 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.



Figure 15 - Driving Directions

The Driving Directions screen also gives you several route options:

Show Route



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

Cancel Route



Cancels and clears the route from the map screen.

Show Turn



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 Turn



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

3.5 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.

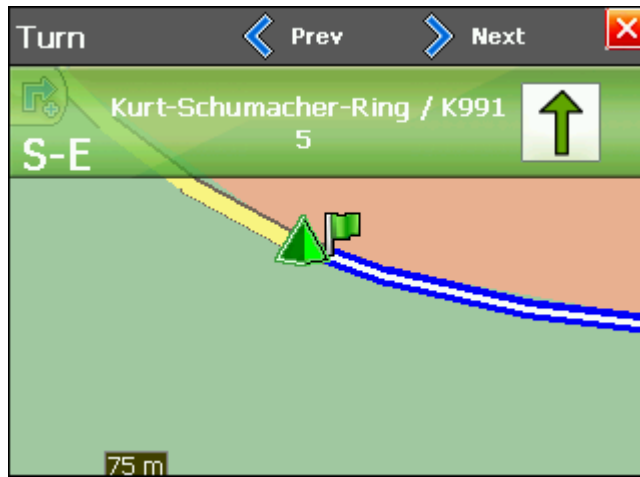


Figure 16 - Turn by Turn Dialog

3.6 Cancel Route



Cancels and clears the route from the map screen.

3.7 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.

3.8 Switch Maps



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.

3.9 Travel Mode



You can further define your route according to whether you are traveling by car or on foot. This button lets you switch to Pedestrian Mode or Vehicle Mode. In Pedestrian Mode, the navigation radius is restricted to 10 kilometres (6 miles).

3.10 Help



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

3.11 About



Displays software version and details about your Destinator OP application.

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4

Settings

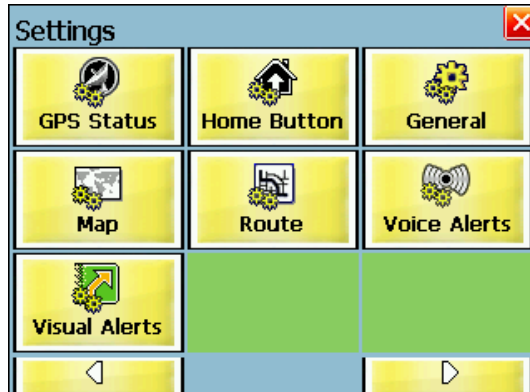
4.1 Introduction

You can easily change the default settings of maps, views and route parameters to suit your personal preferences.

This chapter contains the following topics:

- GPS Status
- Home Button Settings
- General Settings
- Map Settings
- Route Settings
- Alert Settings
- Visual Notifications

4.2 The Settings Menu



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

4.3 GPS Status And Settings



Destinator OP 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.

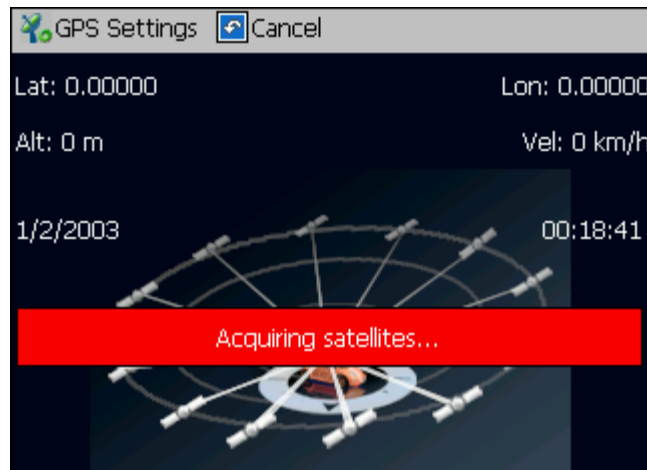
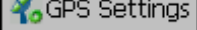



Figure 17 - GPS Status Screen

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

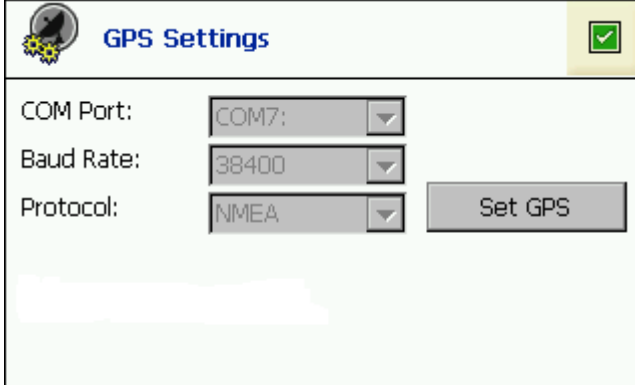


Figure 18 - GPS Settings Dialog

GPS Settings Configuration menu:

COM Port - Defines the Communications Port.


Baud Rate - Transmission rate of data.

Protocol - Default is NMEA.

Reset GPS - This feature should be used if the M0 unit is turned on in a location that is very far (more than 1000km) away from the last acquired GPS position. For example, if the M0 last acquired a GPS position in London, was turned off, and then was turned on in Rome, use the Reset GPS feature to acquire the current position. For best results, please do this under an open sky and in a stationary environment.

Set GPS - Sets the GPS Configuration.




Press the  button to save your selections and return to the **GPS Satellite** graphic screen.

4.4 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), press the  button.

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

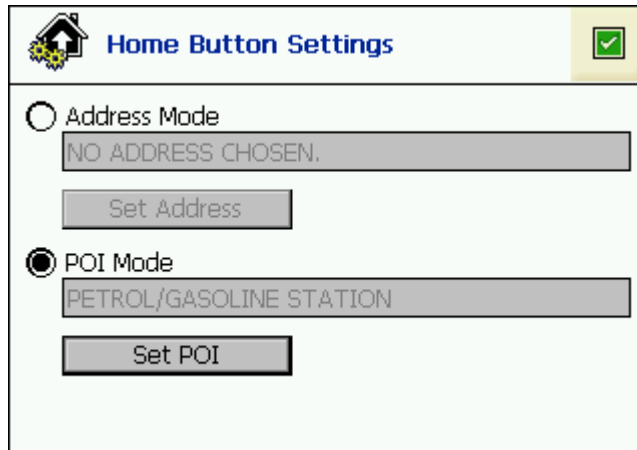



Figure 19 - Home Button Settings Screen

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

Now, when you press the  button, **Destinator OP** will automatically calculate a route to this destination.

4.5 General Settings



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

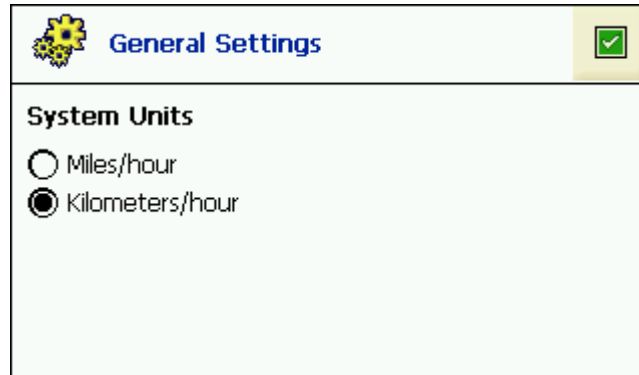



Figure 20 - General Settings Dialog

All distances are displayed in imperial or metric units.

1. **Imperial** (Miles and yards)
2. **Metric** (Kilometers and meters)



Press the  button to save your selection and return to the map screen.

4.6 Map Settings



The Map Settings screen lets you customize your map display.

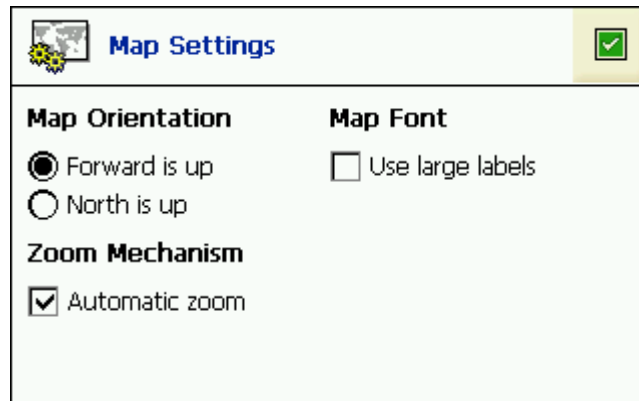


Figure 21 - Map Settings Dialog

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.



Press the  button to save your selections and return to the map screen.

4.7 Route Settings



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

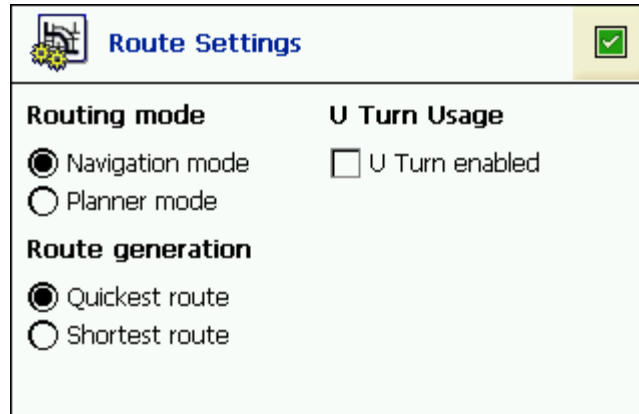


Figure 22 - Route Settings Screen

Routing Mode

Navigation Mode – Provides voice instructions as you drive.

This mode is the one you will use most frequently. Destinator OP 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 OP will direct you back on track.

Planner Mode – Displays a route on the map.

You set an origin and a destination, and Destinator OP 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 OP does not keep track of your driving progress. Use Planner Mode for trip planning.

Route generation

Quickest route – Destinator OP calculates the route by picking the shortest distance and highest speed limits.

Shortest route – Destinator OP calculates the route by picking the shortest distance.




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

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.)



Press the  button to save your selections and return to the map screen.

4.8 Alert Settings



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

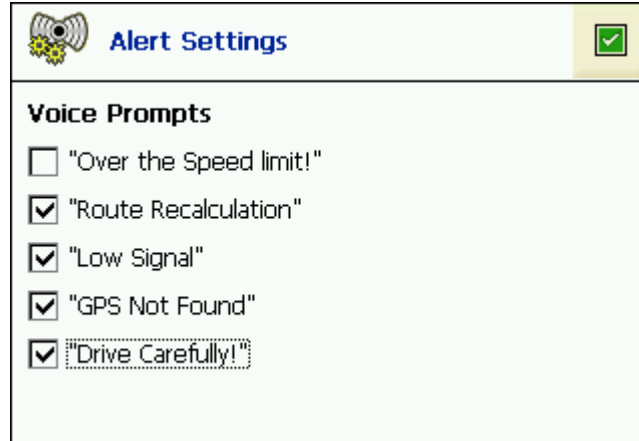



Figure 23 - Alert Settings Dialog

Voice Prompts

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



Press the  button to save your selections and return to the map screen.

4.9 Visual Notifications



The Visual Notifications screen lets you choose how Destinator OP notifies you of your upcoming turns.

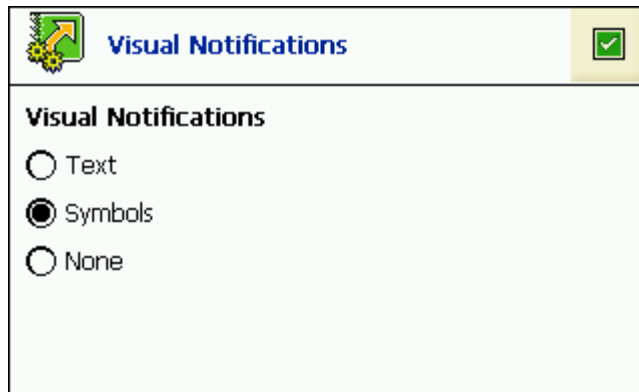



Figure 24 - Visual Notifications Screen

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



Press the  button to save your selections and return to the map screen.

5

Changing Map Views

5.1 Introduction

You can change your view of the map, and the way in which the map is displayed on the screen.

This chapter contains a description of the following topics:

- How to Zoom and Scroll
- Types of Views
- Day or Night Mode

5.2 How to Zoom and Scroll

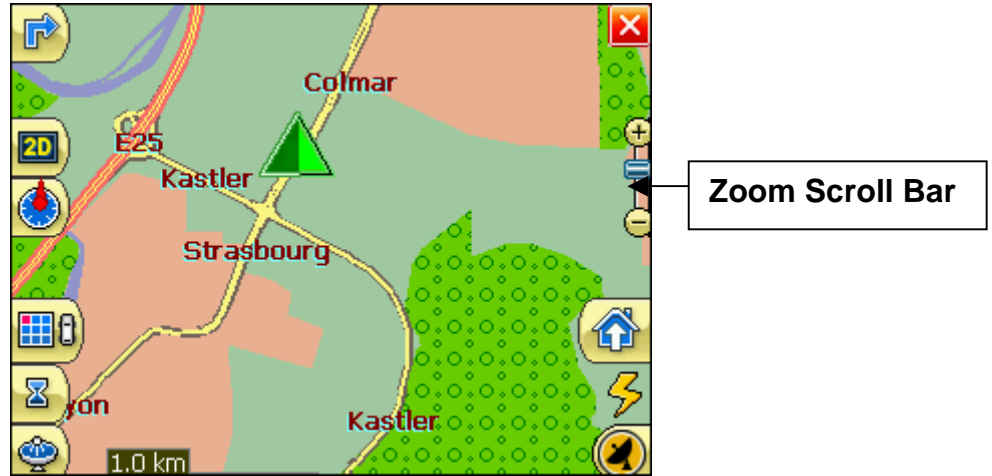


Figure 25 - Zooming Scroll Bar Window


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

Alternatively, you can use the  and  buttons on the M0 to zoom in and out.


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. Alternatively, you

can use the  button on the M0 to scroll the map in all directions.

5.3 Types of View

The  button 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 straight-forward 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.



Figure 26 - 2D Night View

The route, start point and destination (outlined in blue) are clearly seen and visible under a variety of weather and driving conditions.

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.

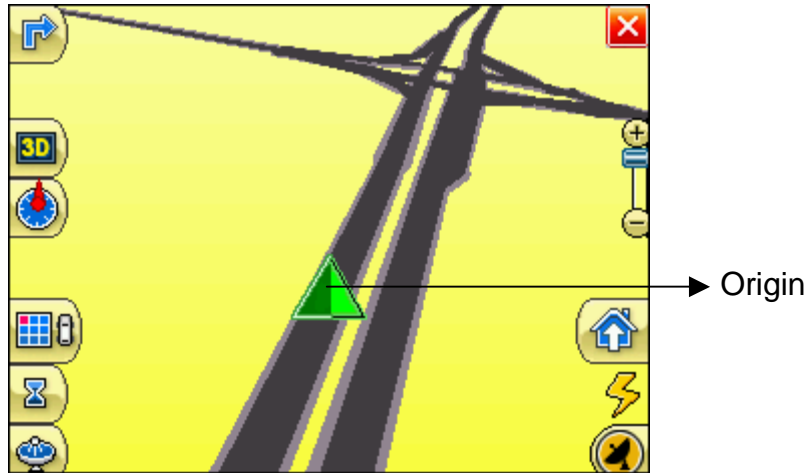


Figure 27 - 3D View

3D Night View

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

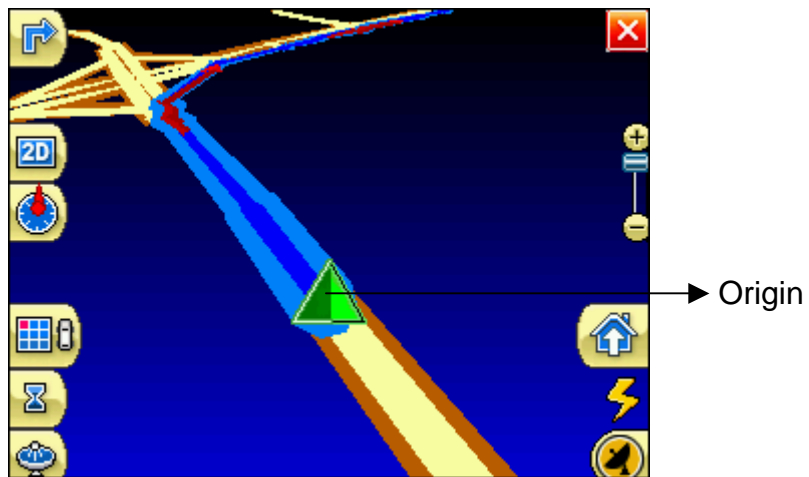


Figure 28 - 3D Night View

6

Auto & Favorites Alerts

6.1 Introduction

An Automatic Alert refers to an item that you configure so that Destinator will alert you when you are within a certain distance of the item's location. You can configure two distances for each Automatic Alert. Destinator 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.

6.2 Configuring Auto Alerts Category

Note that this configuration is applied to all items in the category.

1. From the Destination dialog, select Favorites.
2. Highlight the Auto Alerts folder you want to configure and select Edit... from the Tools menu in the lower-right corner.
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. Destinator 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 position 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.

6.3 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 in the lower right corner.
4. You can change the name, comment, and category of an item. You cannot change any other information. Note that 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.
5. Close the edit window.

6.4 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.

7

Favorites Importing

7.1 Introduction

Destinator OP also lets you download a list of locations from your PC to any category within Favorites on your M0. Creating information about locations in this way is much faster than entering the information via the M0 keyboard. A practical application of this timesaving feature could include a commercial vendor who would create a list of all retail outlet locations in a specific area. Destinator users could then download the list quickly to their M0s.

You can download a list of locations from your PC to your M0 to any category within Favorites, including Auto Alerts. The list must be contained in *.csv files. As part of the download procedure, you convert the *.csv files to *.dat format for storage on your M0 by using a Destinator conversion utility.

7.2 Downloading Favorites

1. Be sure your M0 is connected to your PC.
2. Launch the **Destinator Console** from the start menu of your PC.

Start > Programs > DestinatorApps > Destinator Console

3. On the Destinator Console, click on a **Standard Map**. This will enable the Installing Map and Favorites Importer features.
4. Click the **Favorites Importer** button. The converter dialog is displayed.

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5. Select the file (*.csv format) containing the automatic alert.

About the *.csv file: Appendix A describes csv format. Basically, the *.csv file contains addresses and longitude and latitude values for locations. The file must contain exact street address, ZIP/Postal Code, and city data. However, the longitude and latitude values can be omitted because the Destinator software will query the map you selected in Step 3 above for any missing longitude and latitude. If the *.csv file does not contain longitudes and latitudes, the separating commas must still be included, as Appendix A shows.

6. Convert the .csv file to .dat format by highlighting the file, entering a Category Name, and selecting the Convert button. The Report area of the screen will display a message stating that the content of the file has been converted and that the file is ready for download.
7. Download the file to your M0 by selecting the Download button.

Glossary

This glossary describes terms and abbreviations used with Destinator OP.

Abbreviation	Name	Description
COM PORT	Communications Port	In Computer systems, 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.
ETA	Estimated Time of Arrival	The estimate time to complete the journey, if we where to leave now. Excluding any detours, stops or delays along the route.
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.
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.

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Abbreviation	Name	Description
Sat	Satellite See also GPS	A man-made object, or device that orbits the earth. Eg: a GPS Satellite which orbits the earth in a fix pattern, height and speed
SD	Secure Digital memory card	A Secure Digital (SD) card is a tiny flash memory card used to make data storage portable among various devices.
TTD	Total Time Duration	The projected total time the trip is calculated to take - does not allow for any detours or other delays.

Appendix A - Favorites Importing File Structure

The Favorites Importing file structure must be in CSV (Comma-Separated Values)* Format

The file contains the following fields:

1. Name of the point.
2. Comment.
3. Longitude.
4. Latitude.
5. ZIP/Postal Code.
6. City.
7. Street.
8. House number.

The Longitude and Latitude are numerical values; all the others are strings. If a string value contains a comma, the field must have quotation marks.

Examples:

Text

Favorite place 1, Destinator Favorites Convertor Comment 1, 39.21370, 38.78903, 8033, Munich, Ariboweg , 1
 Favorite place 2, Destinator Favorites Convertor, comment 2, 24.85091, 34.33012, 1070, Brussels, Moutstraat "Weg", 183

Table

1 Name	2 Comment	3 Long	4 Lat	5 ZIP/ Postal Code	6 City	7 Street	8 Number
Favorite place 1	Destinator Favorites Convertor Comment 1	39.21370	38.78903	8033	Munich	Ariboweg	173
Favorite place 2	Destinator Favorites Convertor Comment 2	24.85091	34.33012	1070	Brussels	Moutstraat "Weg"	183
Favorite place 3	Destinator Favorites Convertor Comment 3	44.80999	38.16141	1096	Amsterdam	Joop Geesinkweg	9003
Favorite place 4	Destinator Favorites Convertor Comment 4	24.79360	37.08604	75010	Paris	Rue Danton	3013
Favorite place 5	Destinator Favorites Convertor Comment 5	44.97889	23.82718	8044	Zurich	Frits Weg	123

* CSV (comma-separated values) file contains the values in a table as a series of ASCII text lines, organized so that each column value is separated by a comma from the next column's value and each row starts a new line.

Appendix B - Destinator OP Console

Installing the Destinator OP Console

You will need to install the Destinator OP Console in order to install additional maps, or to create your own maps by cutting out sections of existing maps.

Insert the **Destinator OP Disk 1** into the PC's CD-ROM drive, and the Destinator OP installer screen appears automatically.

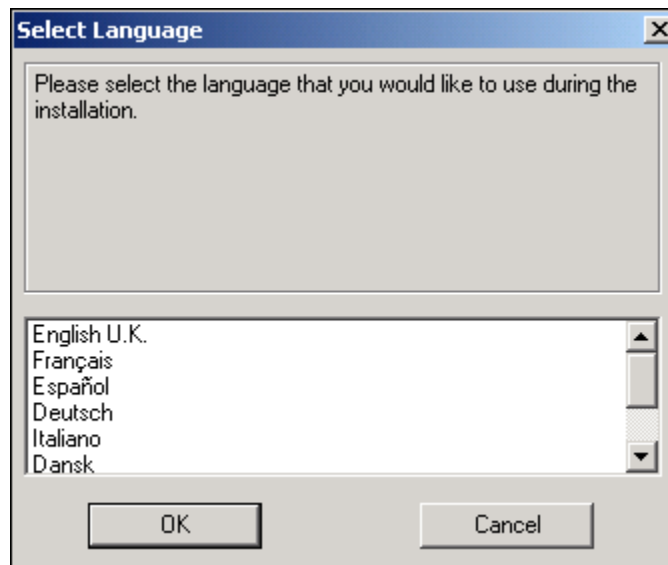


Figure 29 - Installation Language selection Pop-up

1. From the Select language pop-up— highlight your language preference and click **OK**.
2. After reading the **Welcome** message click **Next**.
3. 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.

4. Select the default Destinator language for your M0. Click **Next**.

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5. An installation confirmation window is displayed. Click **Next**.
6. A status window indicates the progress of the installation. Click **Finish** to exit installer program.

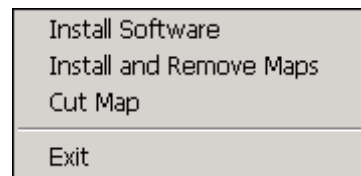
Toolbar



Figure 30 - Destinator Console Toolbar

- **Install Software** – Installs the latest version of Destinator OP software to your M0
- **Install / Remove Map** – Dual function of installing new or self created maps or removing old unused 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 M0 to any category within Favorites (See Chapter 7 Favorites Importing)
- **Quick Activation** – This activation feature is reserved for additional maps.

File Menu



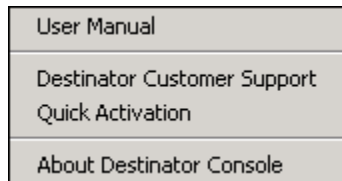
- **Install Software** – Installs the latest version of Destinator OP software to your M0
- **Install and Remove Maps** – Install new or remove old maps.
- **Cut Map** – Cut your selection from a large map.
- **Exit** – Close down Destinator Console.

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 M0 to any category within Favorites (See Chapter 7 Favorites Importing)
- **Language** – Select your Language to install Destinator in (default English)

Help Menu



- **User Manual** – Provides a detailed description on using Destinator
- **Destinator Customer Support** – Contact Destinator information
- **Quick Activation** – This activation feature is reserved for additional maps
- **About Destinator Console** – Version of Destinator Console

Creating Your Own Maps

You can create your own maps by cutting out sections of existing maps. This lets you work with maps that are smaller and take up less memory.

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. Press the **Cut Map** button.

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 **Zoom In**



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 **Crop** (Draws a **Rectangle** around area to cut.)

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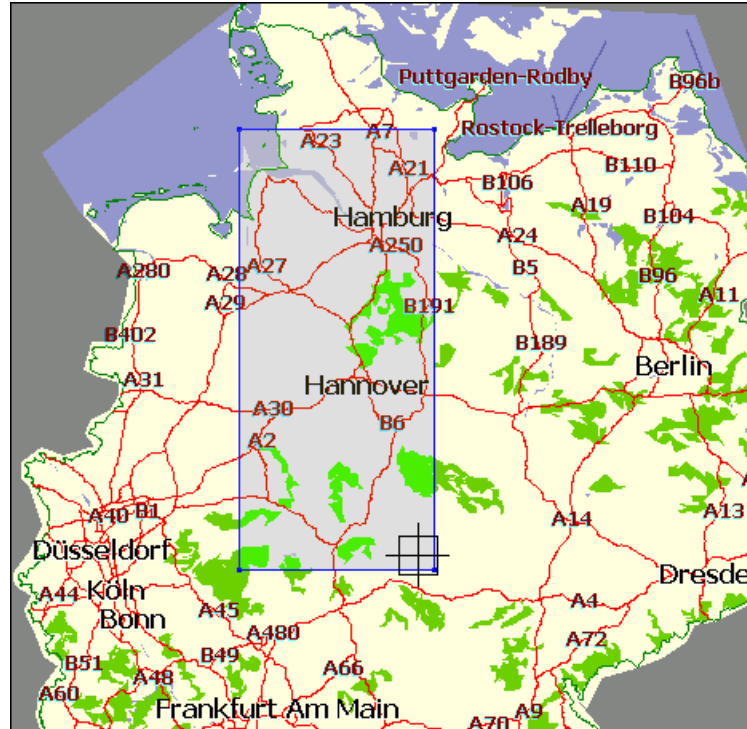


Figure 31 - Crop Map Selection (Rectangle) Window

Cutting Maps



1. Click **Cut Map** to create that selected zone (map).

A screenshot of a dialog box titled "Cut a map by cropping an area." It has two input fields: "New Map Name:" with the text "Deutschland_2" and "New Map's Description:" with the text "Part of Germany". At the bottom, there are three buttons: "Cut", "Estimate", and "Cancel".

Figure 32 - Entering a New Map name Pop-up

2. Enter a unique name as the new map name.



Note: No spaces between words are allowed, but you can use underscores to separate the words (16 character maximum).

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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 Destinator Maps Cutter, click **File > Return to Console**. (You are returned to the Destinator Console).

Route Cutting

Destinator 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 MO.

1. From the console, select one of the standard maps. The route you create will be restricted to the area of the predefined map.



2. Click on **Cut Map**. An enlarged image of the map is displayed in the left-hand pane.



3. Click on **Route**. Notice the additional window that is displayed in the right-hand pane.
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:

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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.



- Centers a point on the map. First, highlight the point in the right-hand pane, and then click the icon.



- 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.



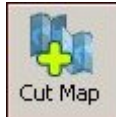
and - Changes the numerical order of the points on the map and in the right-hand pane. First, highlight a point in the right-hand pane, and then click one of these icons.

6. When you have established all the points on the



route, click the Create Route 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 on **Cut Map**



. You will be prompted to give the map a name. The map will be displayed in the "My Maps" section on the Destinator Console. Then, you can download the map to your M0 just as you would download any other map.

Selecting Pre-Cut Maps

Selecting by Address

1. Select map to load from **Standard Maps**.



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

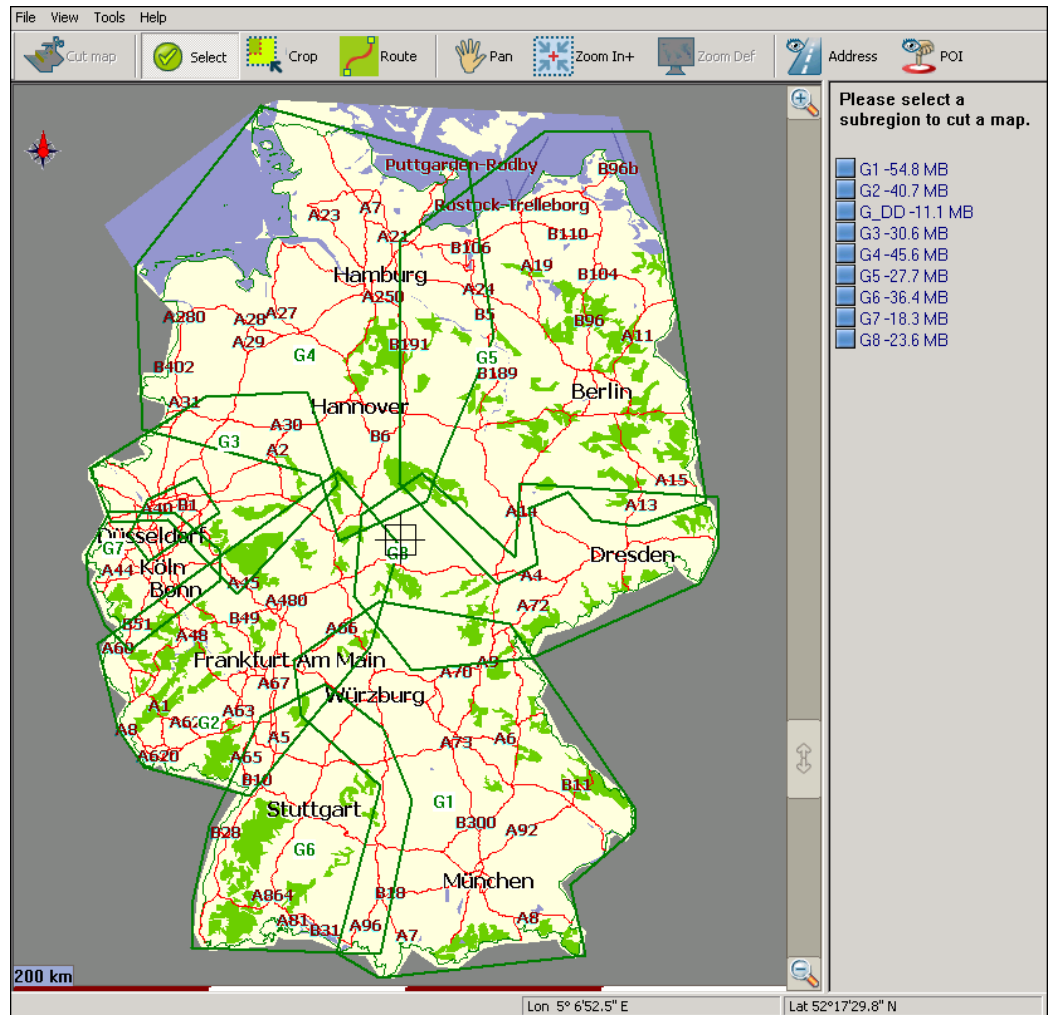


Figure 33 - Pre-Cut Selection Window

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**.

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3. If you have an address choose the **Address**



button, select by: **City > Street and Home** or **City > Intersection**.

4. Click **Show Address**.

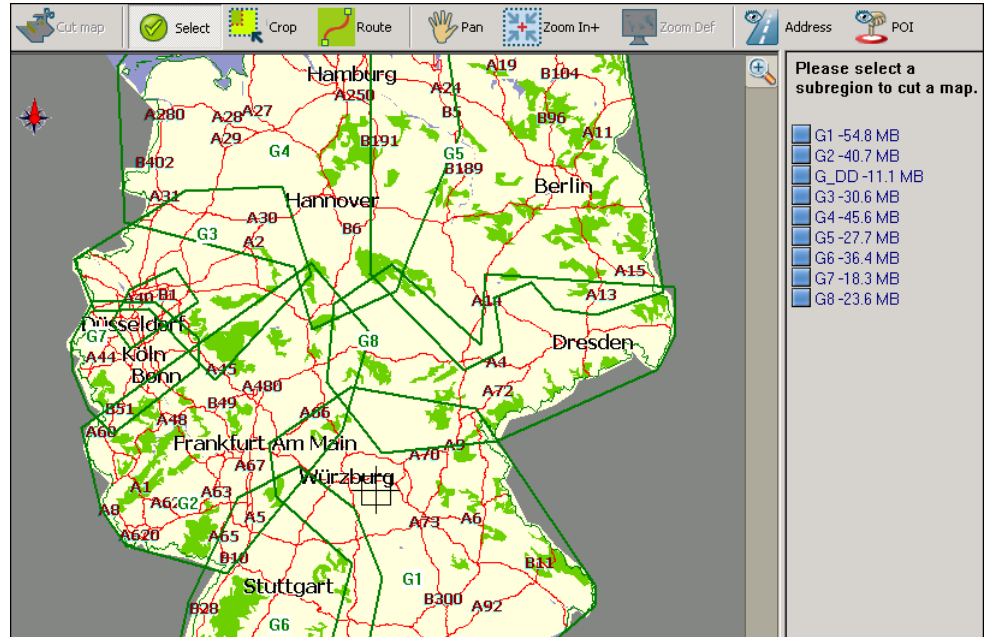
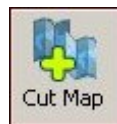


Figure 34 - Select Address Sub Region Window

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



6. From **Toolbar**, click **Crop**, 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 **Cut Map** to cut the selected zone.

Selecting Map by Intersection


If you need to select a map by Intersection:

1. From Toolbar click Address, 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 > Crop** , then on the map select where to draw rectangular zone to be cut.

6. Click **Cut Map**  to cut the selected zone.

Selecting Map by Points of Interest (POI)

1. From the **Toolbar** click .
2. Select the POI eg: **Golf Courses**.
3. Select your **Golf Course**. (Ensure that it is highlighted).

4. From **Toolbar > Crop** . On the map select, with the mouse, where to draw Rectangular zone to be cut.


5. Click **Cut Map**  to cut selected zone.

Selecting by Sub Region

(If you are ready using the Destinator Map cutter see step 3).


1. On the Destinator Console select the main map to load from.




2. Click **Cut Map** . 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.

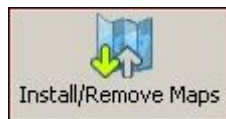


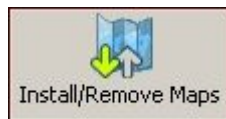
4. Click **Cut Map**  to cut selected zone.

Loading Newly Created Maps to the M0 Device

1. On the Destinator Console, 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).
4. Choose Storage Card, and click **OK**.

Confirm that there is enough memory to install map.



5. Click . A pop-up message requiring confirmation appears.

Destinator OP User Guide

6. Press **OK** 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 1, into the CD-ROM in your desktop computer, this automatically launches the **Destinator Console**.

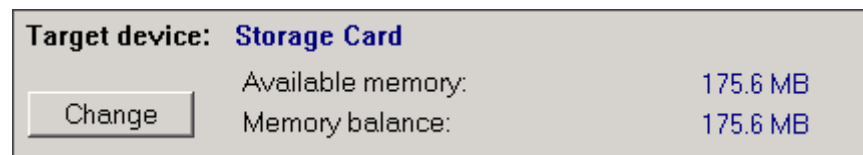
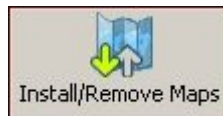


Figure 35 - Change Target Device (Memory)

2. In **Target device** click **Change**, select from where (which memory) to remove map(s). This will update the **Installed Map** Window.
3. The Installed Map Window displays a list of all the loaded maps available. Click in the check box (✓) beside the map(s) you wish to remove.



4. Press the **Install/Remove Maps** button to remove the selected map.
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.

Exit From Destinator Console

1. If you need to exit the Destinator Console, choose **File > Exit**.

You will need to confirm that you want to **Exit** the **Destinator Console**.

2. Press **Yes** and you will exit.

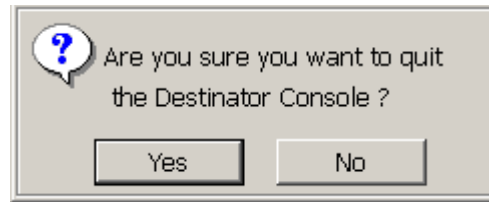


Figure 36 - Quit Destinator Pop-up

Appendix C - Installing and Activating Additional Maps

Where to Load map(s)

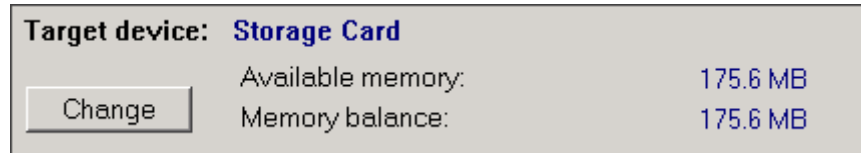


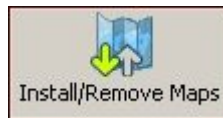
Figure 37 - Change Target Device (Memory)

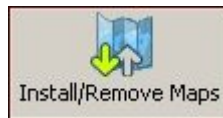
1. From **Target Device** press **Change** to choose where to install maps.
2. In the Select Target Device dialog, highlight Storage Card and click **OK**.

The Target Device window displays the size of the map(s), and the available room on the storage card.

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. Press the  button.

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**.

Activating Additional Maps

After you have installed the additional maps, they must be activated before you can use them.

1. Be sure your PC is connected to the Internet.
2. Be sure your MO is communicating with your PC via Microsoft Active Sync.
3. Start the Destinator program on your PC.
4. From the toolbar at the top of the screen, select the



button.

5. The **Quick Activation** screen appears. Click **Next** to continue.

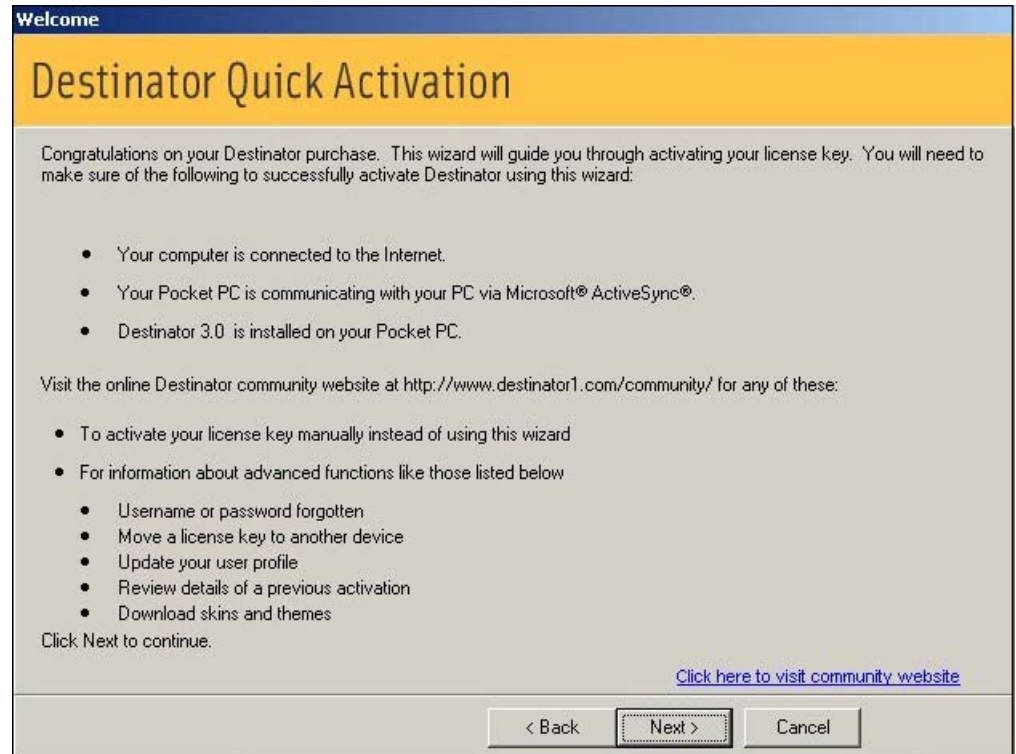


Figure 38 - Quick Activation Dialog

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6. The User Information screen is displayed. Fill in the required information to create your account on Destinator Community, and click on **Next**.

The screenshot shows a web form titled "Destinator Quick Activation" under the heading "User Information". The form contains the following fields and elements:

- Instructional text: "To be able to take full advantage of product updates, special offers, and important announcements, please enter your information as completely and accurately as possible. When you are done, click Next to continue."
- Link: "Click [here](#) to read HSTC's privacy statement."
- Note: "* Indicates required information"
- Form fields (all marked with an asterisk):
 - Username (text input)
 - Password (text input)
 - Confirm Password (text input)
 - Title (dropdown menu)
 - First Name (text input)
 - Last Name (text input)
 - Contact Phone (text input)
 - Business Phone (text input)
 - Street Address (text input)
 - City (text input)
 - State/Province (text input)
 - Postal Code (text input)
 - Country (dropdown menu)
 - Occupation (dropdown menu)
 - E-mail (text input)
 - Confirm E-mail (text input)
- Checkbox: "I agree to allow HSTC or its regional distributors and resellers to mail me, from time to time, information or offers relevant to Destinator." (checked)
- Navigation buttons: "< Back", "Next >", and "Cancel"

Figure 39 - User Information Screen

7. Enter the license key and select your device type. Click on **Finish**.

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Enter License Key and Device Type

Destinator Quick Activation

Please enter your software License Key or Voucher ID (found on the first page of the Destinator Quick Start Guide) and the type of Pocket PC device you are using. Click Next to continue.

Licenses

License Key

Voucher ID

Device Info

- Please select device type. -

< Back Finish Cancel

Figure 40 - License Key and Device Type

8. The message “Congratulations, your Destinator license key has been successfully activated” is displayed. Click on **Done** to close the screen.

Congratulations

Destinator Quick Activation

Congratulations, your Destinator license key has been successfully activated. Please be sure to visit the <http://www.destinator1.com/community/> for additional enhancements to Destinator.

If Destinator is running, you will need to restart it in order for the changes to take effect.

If you require additional information or assistance, please send an email to Destinator support at support@destinator1.com.

Done

Figure 41 - Quick Activation Completed

Appendix D - M0 Settings

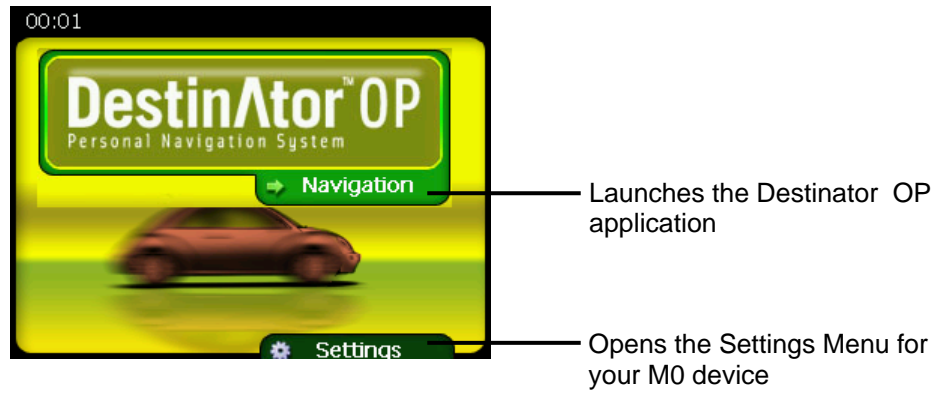


Figure 42 - M0 Main Screen

You can change the default user settings for the M0 device by pressing **Settings** on the main screen.

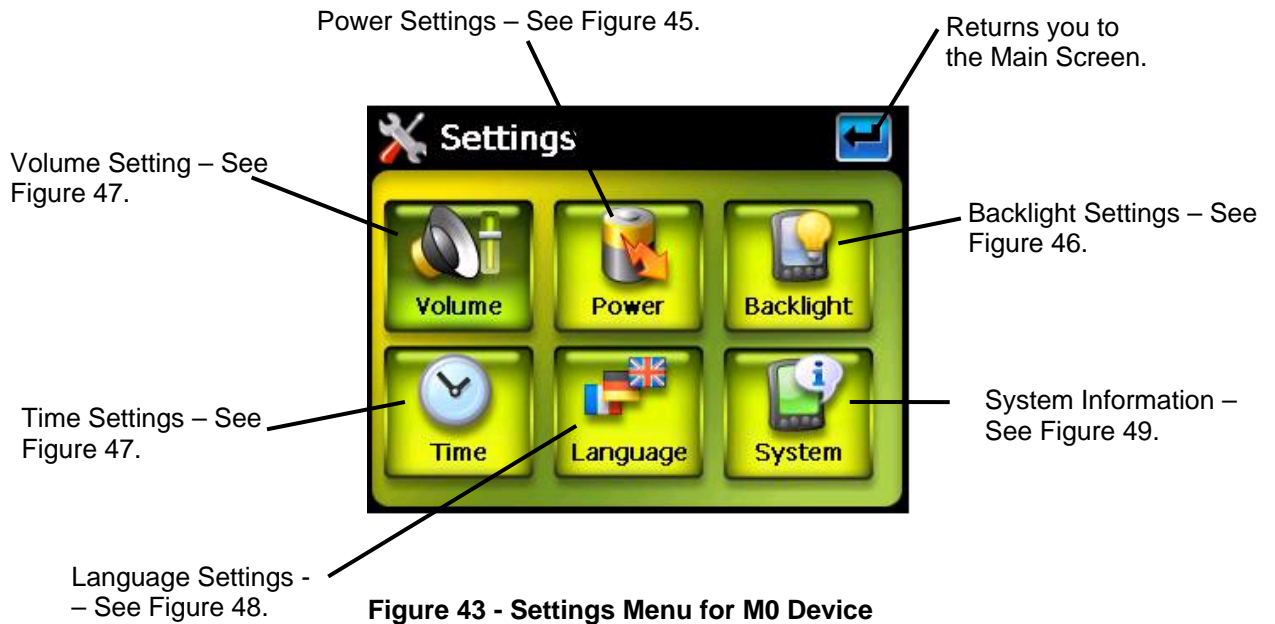


Figure 43 - Settings Menu for M0 Device

Volume Setting

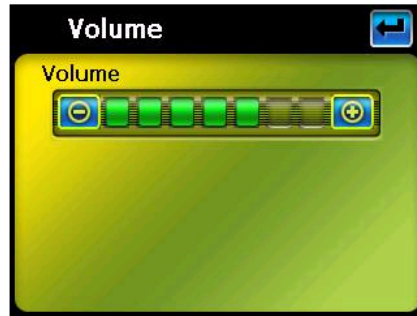



Figure 44 - Volume Setting Screen

The Volume Setting screen lets you adjust the volume of the M0 device.

Press  to return to the Settings menu.

Power Settings

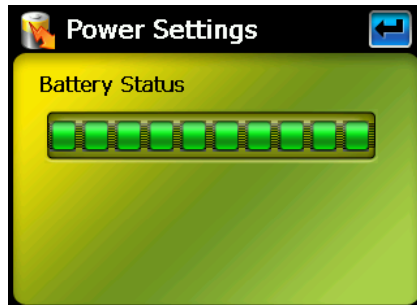



Figure 45 - Power Settings Screen

The Power Settings screen indicates the battery status of the M0 device.

Press  to return to the Settings menu.

Backlight Settings

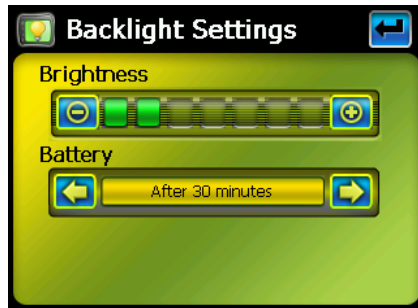



Figure 46 - Backlight Settings Screen

The Backlight Settings screen lets you select how bright the screen will be. You can save power by selecting how long the backlight will stay on before it dims.

Press  to return to the Settings menu.

Time Settings

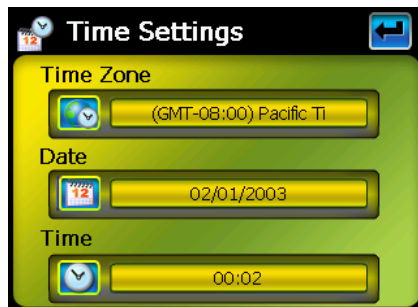



Figure 47 - Time Settings Screen

The Time Settings screen allows you to select your time zone, and lets you set the date and time.

Press  to return to the Settings menu.

Language Settings

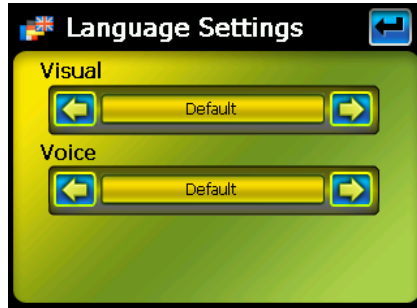



Figure 48 - Language Settings Screen

The Language Settings screen lets you select the language that will be used for screen displays and voice prompts.


Press  to return to the Settings menu.

System Information



Figure 49 - System Information Screen

The System Information screen displays the software version of your Destinator OP application and information about your M0 device. You can also calibrate the position of the display.

Press  to return to the Settings menu.

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