

Ostia User's Manual

SYSTEM REQUIREMENTS AND TERMS USED IN THE MANUAL

Windows® Mobile-based device - Pharos Traveler GPS devices, Pocket PCs, and Pocket PC Phones.

Windows CE device – Pharos Drive GPS devices

Pocket PC Requirements

Processor Type: StrongArm or XScale

Operating System: Windows CE Version 4.0 or higher

Memory: 5-MB Program (memory cards are suggested for map storage)

Compact Flash card or SD/MMC card memory: 64 MB minimum

Desktop/Laptop Requirements

CPU: Pentium class

Operating System: Windows 2000/XP or higher.

USB port or Card Reader for data transfers to Windows Mobile-based devices: Microsoft ActiveSync must be installed and connected if transferring data via connection from the device to USB port using MapFinder.

Available hard drive space: 64-MB minimum for map installation.

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!! IMPORTANT !!

Register your Pharos Ostia Software NOW at:

www.pharosgps.com/support

As a Pharos Registered Customer, you are eligible to download updated maps and software and participate in any future programs or services that Pharos may announce. Discounted fees and/or additional charges may apply. Registration is easy, and Pharos never sells or releases user information to any outside entities.

Precautions and Notices

- **Do not** attempt to operate the controls on a Pharos GPS system in a vehicle while in motion or in any way that interferes with safe driving.
- **Secure** your device to the vehicle in such a way as to not endanger the driver or passengers while driving or during operation.
- **Do not** place your device in any area of the vehicle where the use of electronic displays is prohibited in motor vehicles.
- GPS signals cannot pass through opaque solid materials. Obstacles, such as tall buildings, tunnels, highways, dense trees, and bad weather can effect signal reception. If window tint contains metallic material, GPS signal may be poor. Cordless phones, radar detectors, satellite radio receivers, and other wireless devices may interfere with GPS reception or result in poor GPS reception quality.
- Navigation maps may contain errors and omissions or may be out-of-date with recent road changes or conditions. On the rare instance where an address or section is missing from our maps, please contact us as soon as possible to ensure that we keep our maps up-to-date with the least amount of errors as possible. **Please be attentive** to roadway signage, all posted roadway information, and the condition of the road itself. Calculated routes are reference only. Users must obey traffic signs and local regulations.
- GPS positioning is intended for use as a reference, not precise measurement of direction, distance, or topography. **Routes in Ostia are recommendations only.**
- Do not leave the product in direct sunlight or heat for extended periods of time. Overheating the battery can be dangerous and/or cause malfunctions.

Pharos software and hardware may not be used for any purpose in which failure could lead to personal injury, physical, or environmental damage.

Introduction to Pharos GPS Software and Hardware

Thank you for choosing **Pharos GPS** products. These award-winning mobility tools will help you travel in a more efficient, organized and informed manner. This introduction should be used as a reference when getting started with our system. While you may not need to use all the steps in the introduction regularly, being familiar with these features will make usage easier.

- Make sure **Microsoft ActiveSync** is installed on your desktop/laptop computer if you are using Windows Mobile-based devices (Windows Vista does not require ActiveSync)
- Before **Copying Maps** (Section 2), make sure your Storage Card is in your device or card reader and that it is not locked
- Use the **MapFinder** utility to choose and load maps (Section 2)
- Before installing **Ostia** on your Windows Mobile-based devices (Section 2), make sure ActiveSync on your desktop shows "*Connected*"
- Know both your departure location and your destination to determine which maps you need
- To prevent many new-user issues, read the **Owner's Manual** that came with your device

Use this product prudently. The product manufacturer is not liable for any damages or lost profits caused by misuse of the product. Pharos and its suppliers specifically disclaim any warranties, either expressed or implied, for their products' fitness for use in any high-risk activity

1.0 Summary of Features

- NMEA-0183 compliant
- Detailed street level data, with up to 10 maps opened
- Automatically opens the map for your current location when a GPS lock is acquired
- Screen View supports landscape as well as portrait options
- Reference by address, intersection, POI, longitude/latitude or Outlook Contacts
- Routing from one Point of Reference to another, with up to 10 intermittent "Multi-Stops" in a single Route
- Easy to use Points of Interest categories such as Cash, Fuel, Food, Hotel, etc.
- Text directions, Visual driving directions, and Voice guidance
- Tap a street on the map to show street information
- Zoom in and zoom out with stylus
- Favorites stored on Pocket PC independent of Contacts
- GPS status indicator with on-screen strength indicator
- Real-time simulation of Route with GPS Powered Off
- Two views (one 2D overhead, one 3D Birds-Eye), with night-view map display option

- When navigating with the Pharos GPS Receiver you will find:
 - Four routing methods: Fastest, Shortest, No Highway/Motorway, Avoid Toll Roads
 - Street name of the next turn at the bottom of screen
 - Displays the distance and direction of the next turn and distance to final Destination
 - Screen display options: Map, Split Map with Arrow, and Arrow
 - Audible Voice-prompt Route guidance
 - Auto zoom-in and out before and after change in trajectory
 - GPS Receiver position is always Point of Origin when GPS is enabled
 - An Auto Re-Route option and one-touch Re-Route button
 - Moving map while navigating with the GPS Receiver
 - Selectable “North Up” or “Heading Up” for map display
- Smart Navigator Services
 - 4 Internet-based services with subscription
 - Real-time Traffic shows traffic speed and/or incident data based on your city (where available)
 - POI Finder provides Points of Interest such as businesses, fire departments, WiFi Hotspots, FedEx Kinko’s, and more
 - Maps on Demand lets you load a map over the Internet without using a CD
 - Follow Me allows you to see where other Members of your group are on the road, or for a Member to view a driver on the road
 - Access each of these services wirelessly using built-in WiFi, GPRS, or other data connection at any WiFi hotspot

2.0 Getting Started with Ostia and MapFinder

2.1 Get Connected, Install Ostia and Open MapFinder

Step 1: Make sure your device is connected to your PC through Microsoft ActiveSync.

Note: Applies only for Windows Mobile-based devices

Note: ActiveSync is not used with Windows Vista

Step 2: Insert the Ostia CD into the CD-ROM drive on your PC and the Pharos Setup Screen should appear

Note: If Auto-run is not enabled on your PC, you will need to open My Computer and double-click on the CDROM Drive to open the Pharos Setup Screen.



Microsoft ActiveSync

Step 3: Select “Ostia” to install Ostia to your device, and follow the installation instructions on your screen.

Note: Ostia is pre-installed on some Pharos’ devices

Note: After Ostia has been successfully installed on your device, please perform a Soft Reset on your device. This will ensure that the Ostia shortcut will appear on the Today screen

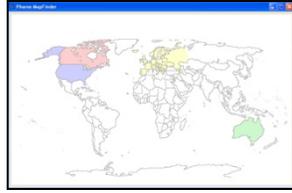
Step 4: To begin transferring maps from the CD to your device, select MapFinder from the Pharos Setup Screen

Note: To activate Ostia on your Windows Mobile-based device, enter the registration code that is located on the inside flap of the cardboard CD holder. This does not apply for Smartphones.

Step 5: Selecting Pharos from the Pharos Setup Screen will directly link to the Pharos Home page assuming your PC is connected to Internet.

Step 6: To read software or hardware manual, select Manual from the Pharos Setup Screen. Select the manual you wish to read from the list.

2.2 Using the MapFinder Software



The World MapFinder will open. Select the region of the world where your maps are located by clicking on the colored area of the map.

Note: You will need to have the map CDs on-hand to use Pharos MapFinder.

MapFinder helps you determine which maps you need. Simply select the maps you wish to use and copy them to your PC, Pocket PC, Pharos navigation device, Smartphone, or Storage Card. You can also browse features and data within your maps.



USA



Canada

If using European maps, select the country that covers your area by clicking on the map. The appropriate MapFinder for that country will appear.



Europe



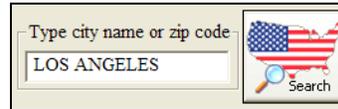
UK

2.3 Selecting maps

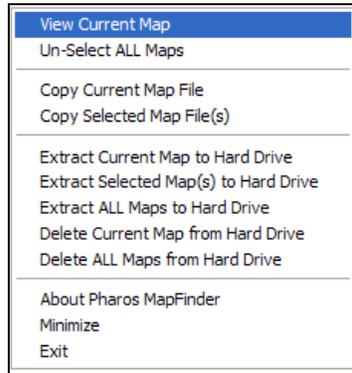
There are two methods used to select a map(s) you want to use:

1. Using the Search Field

Enter a **city name** or **zip/postcode** and click “Search”.



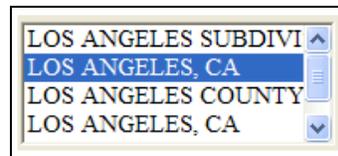
Note: A zip/postcode is the most precise way to search. Areas on the edge of maps may need more than one map to travel efficiently.



To view a map on your PC, right-click on the desired map, and select “View Current Map”.

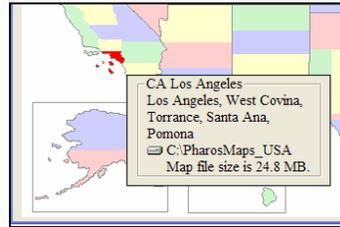
This allows searching for Addresses, Points of Interest (i.e. Airports, City Centers, etc.), and other features.

After searching, a list matching your criteria will appear in the results field. Double-click the city name you wish to select. The map selection will become highlighted below. Repeat for additional map selections.



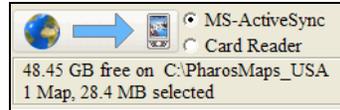
2. Directly Selecting Maps

Place the mouse cursor over the map to be selected; the information for that map will be displayed (as seen to the right).



Double-click on the map to select it. (Repeat for additional map selections.)

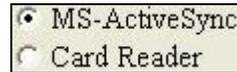
MapFinder displays the number of maps you have selected, how much free space is available on your hard drive, and how much storage is required to transfer this map to your Device in the upper right corner of the window.



2.4 Extracting and Transferring Maps

After maps are selected, they need to be extracted and sent to the “My Documents” folder on the Storage Card or the main memory of Pocket PC or handheld device. **Note:** The folder name is case sensitive and must be on either the SD card or Main Memory of the device for the map files to be read correctly.

After selecting maps, the upper right corner of the screen displays two options:



- **MS ActiveSync**

Transfer maps directly to Pocket PC or memory card via ActiveSync

Note: Applies only if using Windows Mobile-based device

- **Card Reader**

Transfer maps directly to a memory card in a card reader. Make sure you know which drive letter is assigned to your card reader.

1. Choose appropriate option, and click “Execute Map Copy”, as seen to the right.



2. Select location to store maps. Click the drop-down menu arrow to scroll through additional options in list:



- For the Windows Mobile-based device: choose either Main Memory or Storage Card

- If you are using a Card Reader, select the drive letter to use

3. Select the appropriate location and click OK to continue. Continue to click OK on the next windows. The last screen will display the progress of the transfer. **Note:** If transfer does not begin right away, move the mouse to prevent the program from idling.

2.5 Other MapFinder Functions

Right-click on a map and the following menu will appear:

MapFinder Menu Functions



View Current Map – opens a map to be viewed on the PC

Un-Select ALL Maps – clears all map selections

Copy highway map – copy selected Country Hwy/Motorway Map to device

Note: This selection is not available for all MapFinders. It will only appear in the list if you right-click over white space

Copy Current Map(s) – map(s) currently selected will be copied to the device

Copy Selected Map – downloads maps already on your hard drive to your device

Extract Maps to the Hard Drive – extracts maps directly to your hard drive only

Delete Maps – deletes maps from your hard drive only

About Pharos MapFinder – displays program information

Minimize – minimizes MapFinder

Exit – exits MapFinder completely

Note: MapFinder will only function if the correct map CD is already inserted into the CD drive on your PC.

3.0 Ostia Terms and Abbreviations

Action Button

Pressing the center of the Directional Pad located on the Windows Mobile-based device allows you to automatically recalculate a Route from your current location once you have driven off-Route.

Saved Place

Saved locations stored on your device as Favorites, Recent Destinations, or Outlook Contacts for use as Point of References (POR).

Intersection

Intersection of roadways. An intersection can be set as a POR.

MapFinder

Utility used to automate the transferring of maps to your device.

Microsoft ActiveSync

Developed by Microsoft. Use with a Windows Mobile-based device and your desktop computer to install/manage maps. This software can be downloaded from: www.microsoft.com/windowsmobile

Multi-Stop

Add up to 10 stops to a route between Origin & Destination.

Point of Interest (POI)

Common points of interest, which can be used as "PORs", are listed in the following categories: Cash, Fuel, Food, and Hotel. City Centers, Shopping Centers, Airports, and other public landmarks are also available.

Point of Reference (POR)

Any item used to define a specific point or coordinate used in navigation (e.g. Origin, Destination, Point of Interest (POI), Intersection, Address, etc.). A POR may also be set by double-tapping on the map.

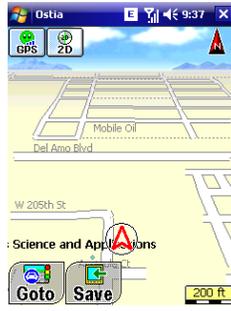
4.0 On-screen Features

4.1 Map Screen Buttons

 The Goto button icon features a blue circular arrow pointing right, with a small red location pin icon to its right. Below the arrow and pin, the word "Goto" is written in a bold, black, sans-serif font.	<p><u>Goto</u> – Brings up on-screen Buttons that allow you to search for a POR, change map view, see GPS info, access Smart Navigator services, manage Favorites, and view Options.</p>
 The GPS button icon shows a green satellite dish with a signal wave emanating from it. Below the dish, the letters "GPS" are written in a bold, black, sans-serif font.	<p><u>GPS</u> – Enables you to turn the GPS on/off, initialize/reset the GPS, and indicates the current status of the GPS receiver.</p>
 The Save button icon consists of a blue square with rounded corners containing a white document icon with a green checkmark. Below the square, the word "Save" is written in a bold, black, sans-serif font.	<p><u>Save</u> – Brings up on-screen Buttons that allow you to save your GPS/Map Center, Current Origin, Current Destination or Latitude/Longitude to Favorites, Home, or Contacts.</p>
 The 2D button icon features a green crosshair symbol inside a square. Below the square, the letters "2D" are written in a bold, black, sans-serif font.	<p><u>2D</u> – Enables you to switch back to 2D mode.</p>



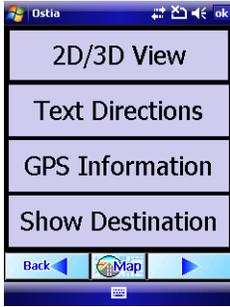
Map Screen (2D)



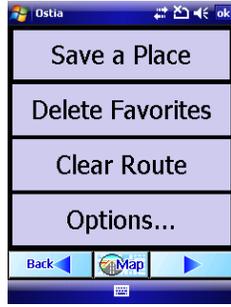
Map Screen (3D)



Goto Screen



View Screen



Options Screen



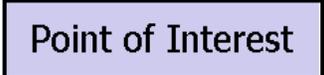
Smart Navigator Screen

4.2 Goto Buttons



Address

Address – Enter specific address as a Destination.



Point of Interest

POI – Search for specific POI's near your current location (or the center of the screen) within a given set of parameters.



Saved Place

Saved Place – Accesses pre-designated Favorites, Recent Destinations, and Pocket Outlook Contacts database to set a Destination.



Home

Home – Routes you to the Favorite pre-designated as Home.



Power User

Power User – Gives you access to additional Ostia features such as setting an Origin or Opening a Map. See **Section 4.3 Power User** for a list of specific functions within this option.



Map – Returns you to the map screen. This applies to all screens in which this button appears.



Forward Arrow – Moves forward to the next Screen. This applies to all screens in which this button appears.

4.3 Power User



Maps – Open maps, List Active Maps, Close Maps and Delete Maps. Provides software and map version information.

Find – Search for a POR, view Recent Destinations, view a Follow Me Friend, make a New Route, and make a Reverse Route.

Note: New Route and Reverse Route are only available if an Origin and Destination have been selected. My Friends only available if you and at least one Friend are logged into Follow Me; subscription required.

Smart Navigator – Accesses Smart Navigator Services. For more information see **Section 4.6 Smart Navigator**. Requires Internet access and paid subscription from Pharos:

www.PharosGPS.com/SmartNavigator
Note: Applies only if using Windows Mobile-based devices.



View – View Text Directions, GPS Information, POR, Full Route, Real-time Traffic, Places Found from POI Finder, a saved Trip Trace, and Favorites.

Note: Some features are only available if they have been activated on the map, such as Real-time Traffic and POIs Found, or have been previously saved such as Trip Trace and Favorites.

Clear – Clear features that have been added to the map such as Real-time Traffic, Places Found, a Route, Multi-stops, Trip Trace, and Favorites.

Tools – Allows you to Simulate a route, Turn GPS receiver On/Off, Record a Trip Trace, Save a Place, Delete Favorites, Export Favorites as a text file, or view Options. For more info on Options, see **Section 4.7 Options Details**.

4.4 View Buttons

2D/3D View

2D/3D View – Change map view from Overhead (2D) to Bird's Eye (3D) View.

Text Directions

Text Directions – View the complete text directions of a pre-determined route.

GPS Information

GPS Info – View Satellite strength and Compass info such as Latitude/Longitude, time, altitude, etc. **Note:** Altitude is based on Height Above Ellipsoid, not Height Above Sea Level.

Show Destination

Show Destination – View the currently selected Destination on the map.

Back

Back Arrow – Moves you back to the previous Screen. This applies to all screens in which this button appears.

4.5 Options Buttons

Save a Place

Save a Place – Allows you to save the GPS Location/Map Center, Current Destination, Current Origin, or a Lat/Lon as a Favorite, as Home, or to Outlook Contacts.

Delete Favorites

Delete Favorites – Delete a Favorite from the list of saved places.

Clear Route

Clear Route – Clears the route from the map screen, including the Origin, Destination, and Multi-Stops.

Options...

Options – Allows for customization of Ostia. For details on features inside Options, see **Section 4.7 Options Details**.

4.6 Smart Navigator Buttons

Note: Applies only if using Windows Mobile-based device

Real-time Traffic

Real-time Traffic – Allows access to real-time traffic data. (subscription required). Check our website for availability.

POI Finder

POI Finder – Allows access to a large active POI database (subscription required).

Maps on Demand

Maps on Demand – Capability to download maps to your device via the Internet to your Pocket PC (Free service to Registered Users).

Note: POI database files are not included in Maps on Demand download.

Follow Me

Follow Me – Allows you to see exact locations of any member/subscriber within your “network” account, or for any member to see you (subscription required).



Smart Help – Lists detailed information about Pharos' Smart Navigator Services.



Login — Enter registered email address and password to gain access to the Smart Navigator Services, while connected to the Internet.

4.7 Options Details

Auto/Manual Re-route

Enabling the Auto Re-route option will have the software automatically calculate a new route if you go off the calculated route. Manual Re-route requires you to press the action button to Re-route.

North Up/ Heading Up

Enabling the North Up option will orient the screen to have North always at the top of the screen. Heading Up option will set the display to always show the GPS indicator pointing towards the top of the screen with a compass in the upper right corner of the screen.

Voice Guidance

This will allow either the Default (USA English using miles) or an Alternative voice prompt (UK English using kilometers) to be used for navigation, or to turn Off the Voice Guidance.

Route Options

This option sets the method the software uses to calculate a route:

- **Fastest:** This will calculate the fastest route based on posted speed limits
- **Shortest:** This will calculate the most direct route
- **No Hwy:** This will calculate a route avoiding highways/motorways completely (Can not be used when actually on a highway/motorway, or when using a Highway map to route between two maps that are not touching)
- **Avoid Toll Roads:** This will calculate a route avoiding marked toll roads completely. Only applies to officially designated toll roads

Daylight/Night View

Enabling Daylight View will use lighter colors on your screen. Night View will display darker colors on the map, making it less bright (and less distracting to the driver) than Daylight View.

Smart Server

This changes server access between sites A and B. This may be necessary if experiencing slow downloading time for Smart Navigator services such as POI Finder and Real-time Traffic.

Note: Applies only if using Windows Mobile-based device.

Tracking Interval

This allows you to change the Follow Me and Trip Trace Interval times between 10 sec, 30 sec, 1 min, 5 min, and 20 min.

Note: Applies only if using Windows Mobile-based device.

Follow Me ID

This allows you to enter your Follow Me Vehicle ID.
(subscription required)

Note: Applies only if using Windows Mobile-based device.

Smart Navigator User ID

This allows you to change the email address and password for
access to the Smart Navigator Services.

(subscription required)

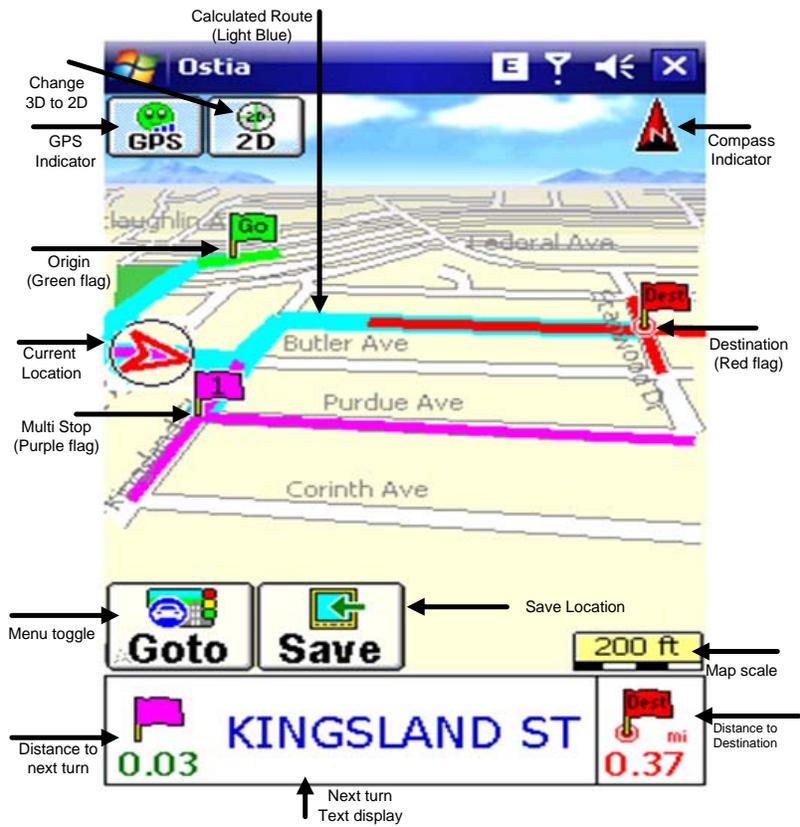
Note: Applies only if using Windows Mobile-based device.

Color Scheme

This allows you to change the color scheme for Ostia. The
choices are Windows Default, Pharos Default, Dark Gray,
Peach Orange, and Moss Green.

5.0 General Features of Ostia

5.1 Anatomy of the Navigation Screen



5.2 Opening and Viewing a Map

Opening Map Automatically

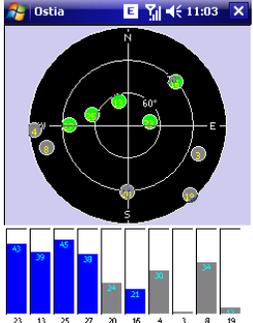
Maps will automatically open when a GPS lock is acquired, provided that the maps are already saved on the storage card or main memory of the Device.

Opening Map Manually

To manually open maps, tap Goto → Power User → Maps → Open, and select desired map from the list of available maps. Tap the Forward Arrow to open the selected map. Repeat to open multiple maps. The maximum number of maps that can be opened at one time is 10.

Note: The last map opened when Ostia was turned off will be the first map opened when Ostia is turned back on, and previous PORs are cleared when new maps are opened.

5.3 Satellite and Compass Information Screens

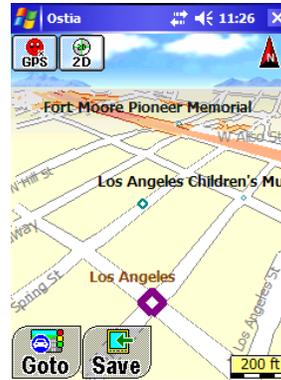
	<p>This screen displays Satellite Information. Typically, a nominal value of 40 or higher on at least 3 bars is normal for a GPS Lock. The bars will be gray when searching for a signal and blue when a lock is acquired. The satellites are the gray circles in the black target, which will turn green when you have a Lock.</p>
<p>The Compass indicates the following information when moving at 5mph or faster:</p> <ul style="list-style-type: none"> • General direction of travel • The red line represents the general direction to your selected Destination. 	
<ul style="list-style-type: none"> • Approximate: <ul style="list-style-type: none"> ○ Latitude ○ Longitude ○ Altitude (based on HAE – Height Above Ellipsoid) ○ Global Time ○ Speed ○ Line-of-Site Distance to Destination from current location 	

5.4 User Interface Options

With a Windows Mobile-based device running **Windows Mobile 2003 Second Edition, Version 4.21** or later, you have the option to view the screen in Landscape mode or Portrait mode, as seen below:



Landscape



Portrait

Note: To change the view of your device, follow these instructions:
Tap on the Start Menu → Settings → System → Screen, and select the desired Orientation.

5.5 Display Options

Navigation Screen Options

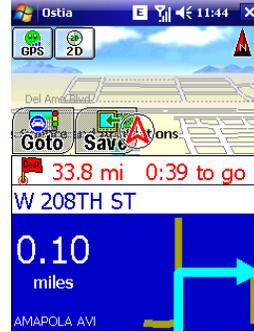
Tapping the text directions will cycle through the three (3) navigation screens that can be used while driving, as shown below, as well as repeat the audible Voice Guidance. Refer to **Section 4.7 Options Details**:



Standard Map View



Simplified Arrow View



Split Map & Arrow View



Night View

Uses optimal color scheme for night use.

You can set this view by checking “Night View” on your Options screen, by tapping Goto → Power User → Tools → Options → select either Daylight View or Night View, and tap Change to cycle through the options. Tap Map when finished.



Map Scale

Tapping on the yellow “scale” box will convert all units from Kilometers to Miles, and vice versa, including all distance information related to Route calculation.

2D/3D View

Tapping on the Screen where the Sky appears (in the horizon), will change the 3D Bird’s Eye View to 2D Overhead View.



2D Overhead View



3D Bird View

Moving the Map Manually

There are 3 ways to move the maps manually so that other sections of the map can be viewed:

- 1) **Without a GPS Lock**, press the Directional Pad on your device in the direction you wish to view, and the map will move accordingly.
- 2) **Without a GPS Lock**, using the stylus, tap and hold on the screen, dots will circle around the tip of the stylus. Without letting go, drag the stylus in the direction you wish to view, and the map will move accordingly.

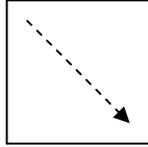
Note: Applies only if using Windows Mobile-based devices or Pharos Drive GPS

- 3) **With a GPS Lock**, press the Directional Pad in the direction you wish to view and the circled cross icon will appear (**pictured to the right**), and the map will move accordingly. If you wish to resume back to the view displaying your current position on the map, select the "GPS" button with red "+", at the upper left-hand side of the screen.



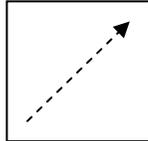
5.6 Zooming (In/Out) Capabilities

Note: Applies only if using Windows Mobile-based devices.



Zoom In

Drag the stylus or your finger on the screen in a motion from the upper left corner towards the bottom right corner (creating a box on the screen). The software will attempt to do a best-fit zoom to the area within the box.



Zoom Out

Zooming out is the opposite direction, bottom left corner to the upper right corner.

5.7 Smart Navigator Services

Note: Applies only if using Windows Mobile-based devices

Smart Navigator

A web-based suite of location-based services, including Real-time Traffic, POI Finder, Maps on Demand, and Follow Me. With these Smart Navigator services, you can receive traffic information, find points-of-interest, download maps on the go, and view geographic locations of other users, all delivered via an Internet connection directly to your mobile device. Smart Navigator integrates these web-based information services with Pharos' navigation and routing software for Windows Mobile-based Pocket PCs, to give you the ultimate mobility tool for information anywhere. For more information or to subscribe to any of the Smart Navigator services, visit www.pharosgps.com. Each of the Smart Navigator services is described below. Refer to **Section 7.0 Smart Navigator Services** to learn how to use these services.

Real-time Traffic

Real-time Traffic lets you view live traffic flow and events via Internet connection, allowing you to better react to traffic conditions. Simply connect to the Internet via ActiveSync from your desktop PC, WiFi, wireless modem or Pocket PC phone.

Check our website for availability in your city. Refer to **Section 7.0 Smart Navigator Services** to learn how to use this service.

POI Finder

POI Finder helps you find location information and directions to a location using your Pocket PC and an Internet connection. Look up restaurants, banks, hotels and other businesses, specifying location by proximity to a destination or to your current location. Refer to **Section 7.0 Smart Navigator Services** to learn how to use this service.

Maps on Demand

Get the map you need downloaded directly to your mobile device when you have an Internet connection. Maps on Demand is a service that delivers the map you need directly to your device when you have an Internet connection. Refer to **Section 7.0 Smart Navigator Services** to learn how to use this service.

Note: Typical download time varies depending on file size and connection speed (2-3 minutes for broadband Internet connection, or 15-30 minutes for wireless connection using GPRS).

Follow Me

Follow Me allows you to see the exact location of members of your Follow Me Group, and allows other members to see your location. Refer to **Section 7.4 Using Follow Me** to learn how to use this service.

6.0 Using Features in Ostia

6.1 Creating a Route

Note: GPS needs to be enabled in Ostia before navigation can begin. Refer to **Section 8.0 GPS Receiver Setup and Configuration**.

To create a Route, you need to have both an **Origin** and a **Destination** selected. These PORs (Points of Reference) are defined below:

- The **Origin** is your starting point. If the GPS has a lock (Green Smiley Face), and the GPS position indicator (red arrow) is displayed on a paved road, the center of the screen will represent your Route Origin.

If you do not have a GPS lock, you can search for your Origin by using any of the following methods from **Goto → Power User → Find**: Recent Destinations, Outlook Contacts, Favorites, Address, Intersection, or Point of Interest.

You can also select any location on the map as the Origin by double-tapping the screen and choosing Origin.

- The **Destination** is your ending point. You can search for your Destination by using any of the following methods from the **Goto screen**: Address, Point of Interest, Saved Place, or Home (Home is a pre-designated location and cannot be selected unless a location has been previously saved as Home).

Again, you can also use any location on the map as the Destination, just by double-tapping the screen and choosing Destination.

Note: For information regarding Multi-Stop Routing, refer to **Section 6.2 Adding Multi-Stops to a Route**.

Note: If you do not have a GPS lock, we suggest that you locate the Origin first, and then the Destination. If Ostia does not automatically create the Route after the Origin and Destination are set, you can manually create it, by tapping **Goto → Power User → Find → New Route**.

The features inside of the Goto screen can only be set as a Destination. To set a location as an Origin, refer to **Section 6.1 Creating a Route → Origin**. To set a Destination using the Goto screen features, do the following:

1. Tap Goto → and choose between Address, Point of Interest, Saved Place, or Home. Each of these options is described in detail below.

Note: For information regarding Multi-Stop Routing, refer to **Section 6.2 Adding Multi-Stops to a Route**.

Address

This option allows you to search for a location by a specific address that can be used as the Destination in a Route. Make sure that all necessary maps are already opened.

From the Map screen, tap Goto → Address, and follow the steps below to perform an Address search:

City Name

Search the city from the selected Country and State/Province. This will progress you to select State/Province or Other State.

Zip/Postal Code

Choose the Zip/Postal Code in which to search. This will progress you to enter the House Number, and Street Name, then give a list of possible cities that match that zip/postal code.

Street Name

If the map containing the location is already opened, this option will search by first the House Number, then the Street Name, and give a list of possible cities in which that street is located.

To Enter a House Number and Street Name

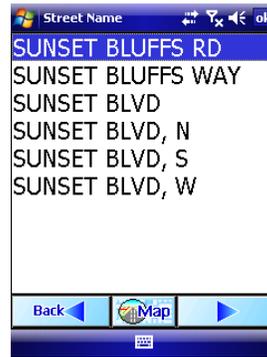
1. Regardless of which entry option you chose, when you arrive at the House Number screen, enter the House Number you're looking for and tap the Forward Arrow.

Note: You can use the "Del" (Delete) button to backspace and correct or change your entry.

2a. Enter the street name in the field provided. As you type each letter, only the next available letters matching the street search results will appear on the keyboard.



2b. This will provide a list of the most closely matching streets available, appearing on the next screen. Select the desired street name, and tap the Forward Arrow.



Note: Avoid entering “N”, “E”, “S”, and “W” at the beginning of the street name. In Ostia’s database, such directions usually come after the street name, such as Main St, N. If the desired street name does not appear, verify that the correct map is open. Refer to **Section 5.2 Opening and Viewing a Map**.

3. Next, select the city. Based on which street you chose, Ostia will show a list of cities in which that street is found. Select the desired city from the list, and tap the Forward Arrow.

4. If accessing the Address from the Goto Button, the location can only be saved as a Destination. If accessing the Address from Power User, you have the option to select this location as an Origin, Destination, or a Multi-Stop. Highlight your selection, and tap the Forward Arrow.

Note: If you would like to Save this location, refer to **Section 6.4 Saving Position as a Favorite, Contact, or Home**.

Point of Interest

This option allows you to search for Points of Interest, such as Cash, Food, Fuel, Hotels, or other Public Landmarks, that can be used as the Destination in a Route.

From the Map screen, tap Goto → Point of Interest, and refer to Section 6.3 Using the Point of Interest Search.

Saved Place

This option will bring up a list of previously stored Saved Places to select from. Make sure that all necessary maps are already opened.

From the Map screen, tap Goto → Saved Place, then select from Favorites, Recent Destinations, or Outlook Contacts.

Home

Once you have saved a location to be designated as your “Home”, you can select this option to have a Route created from your current location, to your Home. Make sure that all necessary maps (from your current location to your home) are already opened.

From the Map screen, tap Goto → Home.

Note: Home can only be set as a Destination. If it needs to be set as the Origin, the address will need to be re-entered and saved as an Origin.

Outlook® Contacts

This option allows you to search for a location utilizing the Pocket Outlook Contacts database. A Contact can be used as the Destination, Multi-Stop, or Origin in a Route. Make sure that all necessary maps are already opened.

From the Map screen, tap Goto → Power User → Find → Outlook Contacts, select the location from the list of Contacts, then tap the Forward Arrow.

Note: Contacts only applies if using Windows Mobile-Based Pocket PC or Pocket PC Phone.

Intersection

This option allows you to search for a specific Intersection that can be used as the Destination, Multi-Stop, or Origin in a Route.

From the Map screen, tap Goto → Power User → Find → Intersection, and follow the steps below to perform an Intersection search:

1. Enter the street name in the field provided. As you type each letter, only the next available letters matching the street search will appear usable on the keyboard. This will provide a list of the most closely matching streets available, which will appear in the next screen. Select the desired street name, and tap the Forward Arrow (visual example of Street Name entry on keyboard is available on **pages 41-42**).

Note: Avoid entering "N", "E", "S", and "W" at the beginning of the street name. In Ostia's database, such directions usually come after the street name, such as Main St, N. If the desired street name does not appear, verify that the correct map is open. Refer to **Section 5.2 Opening and Viewing a Map**.

2. Next, select the city from the list. Tap on the city name and tap the Forward Arrow. Make sure the city selected is the city in which the two streets intersect.
3. Based on the city chosen, a list of streets intersecting the Street you entered will appear. Tap on the desired Street and tap the Forward Arrow.

Note: If desired Street not available, reverse the order in which you enter the intersecting streets.

4. You have the option to select this location as an Origin, Destination, or a Multi-Stop. Highlight your selection, and tap OK.

Note: If you would like to Save this location, refer to **Section 6.4 Saving Position as a Favorite, Contact, or Home**



The Route will be displayed on the screen, zoomed in on the Destination. The on-screen text directions display at the bottom (if in Simulation Mode or if GPS lock is acquired). **To view the whole route, tap Goto → Power User → View → Full Route.** Origin displays as a Green Flag, Destination as a Red Flag, and Multi-Stop(s) as Purple numbered Flags.

You are now ready to navigate.

6.2 Adding Multi-Stops to a Route

When creating a Multi-Stop Route, you can enter up to 10 stops between the Origin and Destination. The Origin and Destination are not considered as Multi-stops.

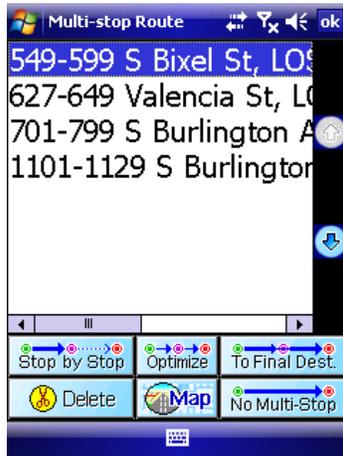
Setting Multi-Stop

Locations

In order to set a location as a Multi-stop, tap **Goto** → **Power User** → **Find** → and choose from Outlook Contacts, Favorites, Address, Intersection, or Point of Interest. After a location has been selected, a Set As window will pop up, allowing you to set the location as a Destination, Origin, or Multi-stop. Choose Multi-stop.

There is also the option to **Save** the location. If you would like to save the location, first highlight your selection between Destination, Origin, and Multi-stop, then tap Save. The location can then be saved to Outlook Contacts, Favorites, or as Home.





Selecting a Multi-Stop Route

Once all Stops are set (limit up to 10 between Origin and Destination) plus the Origin and Destination locations, tap **Goto → Power User → Find → New Route** to calculate the Route.

This screen will allow you to change the order of the stops, to Optimize the order of the stops based on your routing options, to create a route Stop-By-Stop, to create a route connecting all the Multi-stops to the Destination, or to not use the Multi-stops in the route. You also have the option here to delete any of the Multi-stops in the list.

Viewing a Multi-Stop

To View the Multi-stops, tap **Goto → Power User → View → Multi-stop**. This will show the Multi-stops in order according to the order in which they were entered.

Clearing all Multi-Stops

If you want to Clear all Multi-Stops in the Route, tap **Goto → Power User → Clear → Multi-Stop**. You will need to recalculate the Route after this if needed. To do this, tap on **Goto → Power User → Find → New Route**.

6.3 Using the Point of Interest Search

The Point of Interest option allows you to search for Points of Interest around a specific location, based on the area surrounding the center of the screen (or the red arrow when you have a GPS Lock) and when a map is opened.

Tap **Goto → Point of Interest →** and select one of the following POI categories: Cash, Food, Fuel, or Hotel. Select the Forward Arrow for a list of additional Points of Interest, such as Public Landmarks, Airports, City Centers, Museums, etc.

Option A: If you have a GPS Lock, with or without a Route created, the center of the screen will represent your current location. Using the POI button at this time will provide you with a list of POI categories to choose from, based on your current location only.

(Proceed to **Step 1 on page 50** to continue POI Search)

Option B: If you do not have a GPS Lock, but a Route is created, you can search for POIs based on a POR (for example your Origin, Destination, or one of your pre-selected Multi-Stops).

B1. To make sure that the POR is visible in the center of the screen, tap **Goto → Power User → View**, and select your POR (Origin, Destination, or Multi-stop), bringing this location to the center of the screen.

(Proceed to **Step 1 on page 50** to continue POI Search)

Option C: If you do not have a GPS Lock or a Route created, but wish to search for a POI in an area other than the center of the screen such as a specific city or a public landmark, you will need to make this location the center of the screen. For this example, we will search for a POI in a specific City:

C1. You will need to locate the City first. To do this, make sure that the desired map is installed and open on Pocket PC, then tap **Goto → Point of Interest → Forward Arrow → City Center**, and tap the Forward Arrow again

Type the first letter of the name of the City you are searching for, and a list of cities will become available. If the list does not appear after the first letter, continue to type the name of the city until the list appears. Select the appropriate City, and tap the Forward Arrow

C2. With the desired city now open and at the map center, select **Goto → Point of Interest → Near Destination** and choose from Cash, Food, Fuel, and Hotel, or tap the Forward Arrow for more POI categories. Choose a POI from the list.

Note: If accessing Points of Interest through the Goto Button, it will automatically set the POI as a Destination. To set the POI as an Origin or Multi-stop, tap **Goto → Power User → Find → Point of Interest**.

This will bring the POI to the center of the screen. If an Origin was previously selected, and you chose this POI as a Destination, it will automatically create the route and show the Destination (POI) in the center of the screen.

(Proceed to **Step 1 on page 50** to continue POI Search)



Step 1:

Tap Goto → Point of Interest → select where you want to search and then select the POI from the following POI category list: Cash, Food, Fuel, or Hotel

Step 2: For this example, we are going to search for Food around the selected Destination so tap Near Destination and then tap Food.

Step 3: To narrow the search results, you can type in a keyword or the name of the location, and tap the Forward Arrow. If you leave the field blank, it will bring up the maximum number of results within the pre-designated radius.

The results will list each available POI, including distance from the center of the screen (your current location, or POR), and the name of the POI.

Step 4: By tapping on one of the POIs from the list and selecting the Forward Arrow, the full details for that POI are displayed along with the options to Route to that POI, to set that POI as a Multi-stop, to Call the POI (only on Pocket PC Phones), or to Cancel.

After choosing one of the above options, you will return to the map screen and display all the POIs from the list. Icons differ between categories. For example, a knife and fork for Food, Hotel, and a bed for Hotel.



The icons **above** represent the POIs for Food, Cash, Fuel, and Hotel. All other POIs will only display one result, unless the category was found using the optional paid subscription service, POI Finder. Refer to **Section 7.0 Smart Navigator Services**.

Showing POI icons

To bring up previously found POI icons on the screen, tap **Goto → Power User → View → Places Found** to display a list of all POIs. Those that have been searched for will have a white box in which to place a check mark to view the results for that category on the map screen; if a category has never been searched for before, it has no past record and will show a gray box that cannot be checked.

POI Information

To retrieve the specific information for any given POI (to Route to, Call, or Set as a Stop), tap and hold on any of the POI icons on the screen (**as seen below**).



6.4 Saving Position as a Favorite, Contact, or Home

Saving a Position Using the Goto Button

Save Selected Position as Favorite

1. Tap Goto → Forward Arrow (twice) → Save a Place
→ select which location to save from the list of
GPS/Map Center, Current Destination, Current Origin,
or Latitude/Longitude (you can also tap the Save
button to display this list directly)
2. → Choose Save as Favorite. Enter Favorite Name,
and tap on the Forward Arrow

Save Selected Position as Home

1. Repeat Step 1 above
2. → Choose Save as Home. This will now be the
location the software will route to when choosing Goto
→ Home

Save Selected Position to Outlook Contacts

1. Repeat Step 1 above
2. → Choose Save to Contact
3. Enter Contact Name, and tap on the Forward Arrow
4. Contacts screen will appear. Tap Ok in the upper right corner

Note: Contacts only applies if using Windows Mobile-based devices

Saving a Position Using Power User

Save Selected Position as Favorite

1. Tap Goto → Power User → Tools → Save a Place
Choose which location to save from the list of GPS/Map Center, Current Destination, Current Origin, or Lat/Lon
2. → Choose Save as Favorite. Enter Favorite Name, and tap on the Forward Arrow

Save Selected Position as Home

1. Repeat Step 1 above
2. → Choose save as Home. This will now be the location the software will route to when choosing Goto → Home

Save Selected Position to Outlook Contacts

1. Repeat Step 1 above
2. → Choose Save to Contact
3. Enter Contact Name, and tap on the Forward Arrow
4. Contacts screen will appear. Tap Ok in the upper right corner

Note: Contacts only applies if using Windows Mobile-based devices

6.5 Using Trip Trace

Recording a Trip

To begin Recording a Trip, make sure you have a GPS Lock (Green Smiley Face), with a map opened. **Tap Goto → Power User → Tools → Record Trip Trace**. Enter a name for this specific Trip, and tap the Forward Arrow when finished.

Note: To Record a Trip, you must have a GPS Lock, with or without a Route created. Alternately, you can have the GPS turned Off (Red Smiley Face) with a route selected, and choose to run a Simulation from **Goto → Power User → Tools → Simulation**

Setting Trip Interval

To set the amount of time between each marker, tap **Goto → Forward Arrow (twice) → Options → Tracking Interval → Change**. You have the option to select the amount of time between each marker to be 10 sec, 30 sec, 1 min, 5 min, or 20 min. Once you have chosen the desired time, tap on the Map Button to return to the map screen. Refer to **Section 4.7**

Options Details

Note: Applies only if using Windows Mobile-based devices

Viewing a Trip Trace

To view or use a pre-recorded Trip Trace, tap **Goto** → **Power User** → **View** → **Trip Trace**



A list of pre-recorded Trip Trace Files will be displayed. Select the Trip Trace of your choice, tap the Forward Arrow when finished

Your Trip Trace will be displayed with blue diamonds, representing the markers (or bread crumb trail) recorded for you to follow.

Note: When Viewing a previously Recorded Trip Trace, it **will not** provide an actual Route, text directions, or voice prompts. It will only provide markers (bread crumb trail) to follow.

Clearing a Trip Trace

To clear the markers from your Trip Trace, tap **Goto** → **Power User** → **Clear** → **Trip Trace**

6.6 Exporting Favorites

To export your Favorites into a text file (*.txt), tap **Goto** → **Power User** → **Tools** → **Export Favorites**. Provide a Name for this file, which will contain all the currently stored Favorites (NOT the Contacts). This file will be stored in the My Documents folder on the Main Memory of the Device

To view the exported file on the Device, go to Start → Programs → File Explorer → My Documents → and select the .txt file that contains the name you provided in the previous step

The text file contains the following information for each Favorite: Name of Favorite, Latitude, Longitude

6.7 Deleting Favorites

To Delete Favorites, tap **Goto** → **Forward Arrow (twice)** → **Delete Favorites**, then pick from the list which Favorite to be deleted, and tap on the Forward Arrow. Tap Yes on the next screen to confirm Delete, or No to Cancel

6.8 When to use the Highway/Motorway Map

The Highway/Motorway map is to be used in conjunction with the standard street-level maps to assist in routing from one map to another, so that the fewest maps are opened at once. This single Highway map contains only the Highways/Motorways for the specified Country, but no street-level information.

If the Highway/Motorway map is loaded to the mobile device or Storage Card, Ostia will automatically open it when required. In addition, Ostia will also open the map for the Destination if it is not already opened.

When Ostia automatically opens the Highway/Motorway and the Destination maps, it will clear out any POR previously set on the map. After Ostia opens the Highway/Motorway and the Destination maps, the Origin will have to be re-entered manually unless you have a GPS Lock.

Note: If the Route calculation method for “No Highway/Motorways” is used, and you are on a Highway/Motorway, Ostia will not be able to calculate the Route until you are no longer on the Highway/Motorway

The **Canadian Highway/Motorway Map** contains highway/motorway information for all metropolitan areas, but some additional areas are not covered by this map. If you are unable to create a route using the Highway/Motorway map, please make sure you manually open all the local maps needed for the route in order to make the calculation.

7.0 Smart Navigator Services

Note: Applies only if using Windows Mobile-based devices

7.1 Register & Subscribe

All users who register on the Pharos GPS website with Ostia version 7.5 or higher receive one month free of all Smart Navigator Services. Otherwise, you must purchase the subscription and register the Pharos product at the following website:

http://services.PharosGPS.com/shopping/store/registration_form.asp

Step 1: Go to the following website and choose from the list of available subscriptions:

<http://www.pharosgps.com/products/services/smartnavigator.htm>

Note: Real-time Traffic may be referred to as Smart Traffic, and POI Finder may be called Smart Finder, though in both cases there is no difference in the service offered. Maps on Demand and Follow Me come free with a registration of any Smart Navigator subscription

Step 2: Click "Add to Shopping Basket" at the top of the screen. Make sure the product and quantity of the product you selected is correct and click "To Checkout Click Here"

Step 3: If it is your first time registering, click on the link for New Users, and enter your personal registration info. If you are already registered, simply enter your email and password, confirm your registration info is correct and click Submit

Step 4: Click Select on the Shipment Type page (No Shipping Necessary or Digital Delivery)

Step 5: This next page shows a summary of your purchase. If all is correct, click Submit Order and proceed to Step 6; if not, click Cancel Order

Step 6: Enter the Credit Card number and Expiration Date. The next page confirms your purchase and registration of the product. You will receive an email confirmation of the purchase.

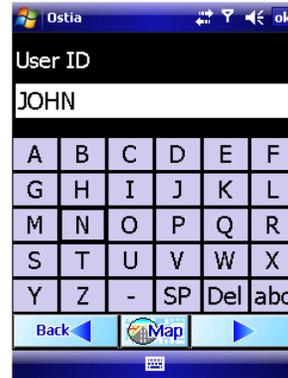
At this point, you may start using the Smart Navigator Service you purchased immediately; you do not need to wait until you receive the confirmation email

7.2 Smart Login

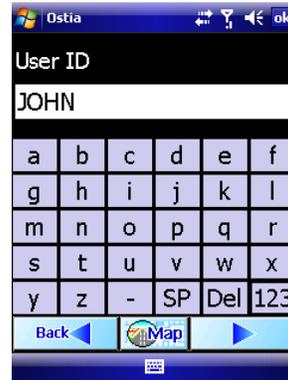
To Enter User ID

Your User ID is the email address you registered with when you bought the subscription. The User ID is NOT case sensitive.

Tap on Goto → Power User → Smart Navigator → Login... to arrive at the User ID entry window (to the right)



Enter the letters for your User ID. If your email address contains numbers, select the "abc" or "123" button in the bottom right corner to access the numeric keyboard.



To get the @ symbol for the email address, select the “*%#” button on the right side of the window

From the Symbols Menu, you can then choose to go back to numbers, or to the upper case alphabet

Note: After entering the email carrier name (Jane@yahoo), you will have to repeat the steps above to get back to the Symbol Menu in order to input the period (Jane@yahoo.com)



When you are done entering the email address, select the Forward Arrow and enter the password, which IS case sensitive

After entering the password, select the Forward Arrow and you will arrive back at the Map Screen

Provided you have an Internet connection on your handheld device, you are now ready to start using the Smart Navigator Services for which you have registered.

7.3 Using Real-time Traffic, POI Finder and Maps on Demand

Real-time Traffic

To download Traffic information, follow the steps below after Using Smart Login:

Tap Goto → Menu → Smart Navigator → Real-time Traffic

1. First make sure you have the correct map open. Select your City (area), and then tap the Forward Arrow.
2. The next window will show the city you chose and display the current time and date. These indicate the time and day for which the traffic info currently being displayed on the map was recorded.

Note: You may only view the Traffic info for one city at a time

Depending on the availability in your city, you may see one of the following:

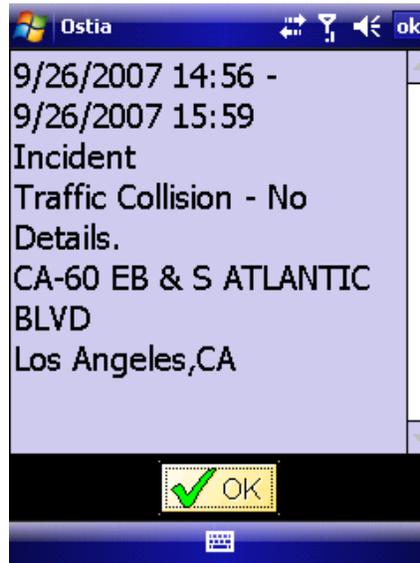


Real-time Traffic and Data (incident only)

Note: The traffic and data info is based solely on the databases of the Department of Transportation. Some cities do not have Real-time Traffic because the DOT has not built traffic sensors into the highways in that state.

Viewing Incident Data

To view the Real-time Incident Data (yellow triangles), simply tap and hold on a triangle to view the data exactly as the Highway Patrol or other law enforcement entered it into their own computers



POI Finder

To download Points of Interest (in addition to Cash, Food, Fuel, or Hotel) to your device, follow the steps below after using Smart Login:

Tap Goto → Power User → Smart Navigator → POI Finder

1. Enter a keyword, or name of POI to narrow the search results or leave blank for a general search, then Tap the Forward Arrow
2. Select a POI category, and tap the Forward Arrow
3. Lists available POIs as well as the distance from the designated POR or center of Map Screen, and their address of each. Refer to **Section 6.3 Using the Point of Interest Search** for additional assistance

Maps on Demand

This feature allows you to download a dynamically-generated map from Pharos Maps on Demand server. It is useful in cases where you don't have a preloaded map on your device that covers the area you are traveling in. A dynamically-generated map is usually very small in size so you can download it quickly even with a wireless internet connection. To use this feature, follow the steps below after login:

Tap Goto → Forward Arrow (three times) → Maps on Demand.

There are two types of maps you can get from the server: **Corridor Map** and **Area Map**.

Corridor Map is a strip area that covers the entire length a route with a width of about 0.5 miles on each side of the route. The route Origin is always your current location, and its Destination is an address or city center or a zip/postal code you can specify.

Area Map covers a square area of about 10x10 miles with the center at a location you can specify. The map center can be an address, a city center, a zip/postal code or your current GPS location.

Corridor Map

1. First choose the Country and State/Province in which to look by tapping the Country_State (i.e. USA_California) button. Select your desired Country from the list and tap the Forward Arrow to select the State/Province, and then tap the Forward Arrow again.
2. Next choose to base your search on an address or zip/postal code.
 - a. **If using address**, type a city name first. As you type, Ostia will continue to narrow the search

results based on each letter. You will then see a list of all available matches. Select the city from the list and tap the Forward Arrow to enter a street address. If you don't enter a street address, the city center will be used as the Destination.

- b. If using Zip/Postal Code**, enter the destination zip/postal code and tap the Forward Arrow.
- 3.** Choose the location to store the map, either to the SD card or the Main Memory. The available memory space for each location will be displayed for your review.
- 4.** Once you finish the selection, Ostia will ask the server to generate a map with your specification, download it, create the route and show the Destination at the center of the screen.

Area Map

- 1.** First choose the Country and State/Province in which to look by tapping the Country_State (i.e. USA_California) button. Select your desired Country from the list and tap the Forward Arrow to select the State/Province, and then tap the Forward Arrow again.
- 2.** Next choose to base your search on an address, zip/postal code, or current GPS location.
 - a. If using address**, type a city name first. As you type, Ostia will continue to narrow the search results based on each letter. You will then see a list of all available matches. Select the city from the list and tap the Forward Arrow to enter a street address. If you don't enter a street address, the city center will be used as the center of the area map.
 - b. If using Zip/Postal Code**, enter the zip/postal code that you want the area map to center at and then tap the Forward Arrow.

- c. **If using current GPS location** just tap the Forward Arrow for next step.
3. Choose the location to store the map, either to the SD card or the Main Memory. The available memory space for each location will be displayed for your review.
4. Once you finish the selection, Ostia will ask the server to generate a map with your specification, download it, and display it.

Note: A map downloaded from the server does not include any POIs for Cash, Food, Fuel, and Hotel. It does, however, include the index file so you can do address search against the downloaded map.

Note: You can identify the type of a downloaded map by its file name. The file name of a corridor map has a prefix of "to_". The file name of an area map has a prefix of "area_".

7.4 Using Follow Me

The Pharos Follow Me service makes it easy for your family, group, or fellow company members to see exactly where each of the other members are in real time. By using Follow Me you can insure that people don't get lost, you can help your friends find that hard to locate parking space, or you can make sure that customers are quickly served by sending the closest driver to the next pickup location.

An Introduction to Follow Me

Follow Me uses a combination of several capabilities to help you stay in touch. First, of course, is your Pharos GPS device which precisely determines your location. Next there is the wireless connection to the Internet which enables you to both send and receive information. Finally, there is the Pharos Follow Me Web portal that tracks and distributes the information for your group. Each of these pieces is a vital part of the process so we'll begin by having a closer look at them.

Getting GPS Location Information

Your Pharos GPS navigation device includes a powerful GPS receiver which can pinpoint your location with considerable accuracy. The Ostia software application on your device uses this information to display your position on a map so you can always see exactly where you are.

GPS receivers get their information from the series of GPS satellites that orbit the Earth. This information is received from the satellites, but no information is sent back from your device. This means that no one can track your location—you aren't sending out your location simply because you have a GPS receiver.

Sending Your Location Information

If you want someone to know where you are, you need to provide your location information to them. Until now, it was difficult to provide that information when you were on the go.

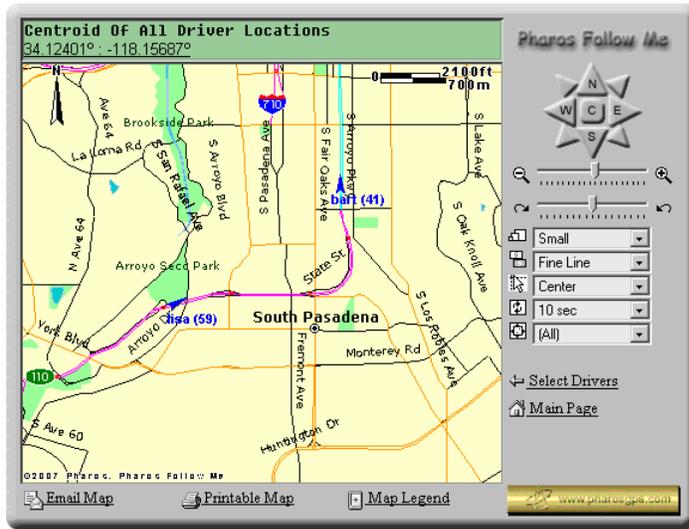
Your Pharos GPS Phone 600 (or GPS Phone 600E) can not only receive GPS location information, but it can also use the GPRS/EDGE data network to send that information. This makes your GPS Phone 600 the perfect tool for communicating your present location with one or more other people in real time.

Note: *The Follow Me service can also be used with the Pharos Traveler GPS 535 if you have a Wi-Fi connection that you can use to connect to the Internet.*

Connecting It All

Even if you have a GPS receiver and a mobile phone, sharing your location information in real time isn't easy without using a service like Follow Me. The Follow Me service gathers the location information from each group member and places a mark on the map to show exactly where each person is so you can see those locations at a glance.

The following illustration shows an example where the location of two Follow Me group members, Bart and Lisa, appear on the map. In this case we're looking at the information you might see on your desktop, but as you will see later, Follow Me information is also available on your mobile screen.



Getting Started with Follow Me

Follow Me is easy to use, so let's see just what you need to know to get going.

Understanding Follow Me Groups

Each Follow Me group can have a couple of different types of participants. Everyone who will be tracked or who needs to view the tracking information must be a part of the group or be invited to be an observer—this protects your privacy because anyone else will not be able to track the group members.

Group Supervisor

Every Follow Me group has one person who is designated as the supervisor. Usually this is the person who sets up the group, but it can be someone else if the existing supervisor wishes to assign the group to another member.

The supervisor has the ability to both add members and invite buddies. The supervisor can also remove members and his or her own buddies from the group. The supervisor can also track the location of members.

Group Members

Group members are people whose location can be tracked. Group members can view the tracking information for other group members.

You can have up to five members in a Follow Me group. The supervisor is also a member, so this means you can track the location of four regular members in addition to the supervisor. If you are on someone's buddy list, you can track them, too.

Observers

Observers do not belong to any group. They have the least privileges. They can not send their GPS locations to the Follow Me server and thus can not be tracked by anyone. As an observer the only thing you can do is to view other people's locations on the web portal - once you become their buddy. To become someone's

buddy, you have to receive an invitation from that person and then accept the invitation.

Buddies

Buddies are a pool of people who can potentially view your trips. By default all members in your group are your buddies, and vice versa. On top of that you can invite members of other groups and observers to be your buddies. If you invite someone to be your buddy, then he may view your trips. But you may not view his trips, unless he invites you to be his buddy as well. You and only you have the total control over your buddy list. You can add or remove people from the list. You can control which subset of the pool of people can view a particular trip of yours.

Setting Up a Follow Me Account

You need to register your Pharos GPS device on the Pharos Web site in order to establish your Follow Me account. To do so, please visit the following address:

https://services.pharosgps.com/shopping/store/registration_form.asp

You can also visit www.pharosgps.com and click Support, Registration, and then Register to display the form.

***Tip:** You will need the Registration Code and UPC from your Pharos GPS device box in order to complete the registration. Your Follow Me account is created automatically after you complete the form and click the Submit button. Make certain you remember the e-mail address and password. Watch for the e-mail confirming your account (and remember to check your Junk Mail folder if it does not arrive).*

Logging in to Follow Me

Before you can begin using the Follow Me services you need to add the group members. You add the members and any buddies by logging in to the Follow Me web portal:

<http://webapps.pharosgps.com/monitoring/login.asp>

Pharos *Follow Me* Log In

Existing user, please log in.

Email Address:
(e.g. name@company.com)

Password:
(Note: password is case sensitive)

Remember me on this computer

[Forget your password?](#)

New To Pharos *Follow Me*?

- You can buy a [Pharos GPS Phone](#) that comes with 3-month Smart Navigator services, which includes *Follow Me*, or
- You can buy Smart Services separately [here](#).

Enter the e-mail address and password you used when you registered your Pharos GPS device and then click the Log In button.

Tip: *If you want to be logged in automatically in the future, make sure the Remember me on this computer box is checked.*

After you click Log In, you'll see a screen similar to the following (with your information, of course). Members and buddies will see a slightly shorter list that only includes the options they are allowed to use.

Welcome back 'Brian' !

If you are not the person identified below, please log out [here](#).

User Name:	Brian Underdahl
Display Name:	Brian
Email:	
User Type:	Supervisor
Supervisor:	Self
Company/Group:	Brian Underdahl's Group

What do you want to do?

- [Manage Members](#)
- [Reassign Supervisor](#)
- [Edit Company/Group Profile](#)

- [Manage My Buddy List](#)
- [Outstanding Invitations](#)

- [Change Password](#)
- [Edit My Profile](#)
- [Accept Invitation](#)
- [Send Message](#)
- [Real-Time Monitoring](#)
- Play Back Old Trips
- Trip Statistics

- [Log out](#)

Adding Members

You will want to begin by adding the group members. Click the Manage Members link to display the following screen:

Manage Members

Members in 'Brian Underdahl's Group'			
First Name	Last Name	Created On	Actions
Brian	Underdahl	3/13/2007	Details Edit Relationship

[Add Member](#) | [Add Members in Batch](#)

[Back to Main](#)

Click the Add Member link to display the Add Member form. Use this form to enter the member's name and e-mail address.

Tip: You can add several members at once by clicking *Add Members in Batch*.

Add Member

Please fill in the new member's information below. Once you submit the form, *Follow Me* will create an account for the new member on your behalf, and will send him/her an email regarding the account and login instructions.

Count / Maximum: 1 / 5

First Name:

Last Name:

Email:

After you click the Add button, the new member is added to your group. In addition, he will be sent an e-mail that includes a randomly-generated password, so make sure you have entered the e-mail address correctly.

Manage Members

Members in 'Brian Underdahl's Group'				Count / Maximum: 2 / 5
First Name	Last Name	Created On	Actions	
Brian	Underdahl	3/13/2007	Details Edit Relationship	
Soren	Underdahl	3/13/2007	Details Edit Relationship Remove	

[Add Member](#) | [Add Members in Batch](#)

[Back to Main](#)

Using Additional Follow Me Functions

The main Follow Me page has several additional options you may want to use from time to time. Each of these options is designed to allow you to administer your group and Buddy List.

- If you are a Supervisor, you can manage your Group and Buddy List.
- If you are a Member, you can manage your Buddy List, but not the Group.
- If you are an Observer, you don't have a group or a buddy list to manage. All you can do is to do the real-time tracking – view other people's trips whenever allowed.

For example, if you want someone else to take over the group's management, click the Reassign Supervisor link. Use the Manage My Buddy List link when you want to invite someone to observe you.

Monitoring Group Locations

After you have added the members to your Follow Me group, you can monitor their locations. You can do the monitoring on your mobile device or on your desktop using a Web browser—depending on your needs. You could, for example, use a Web browser to track the current locations of your team in order to send the nearest driver to pick up a package that needed rush delivery. Or, you might use the mobile tracking feature to keep track of family members during an outing at a large amusement park. The tracking method you choose determines the steps you need to take to begin the tracking. In the following sections you see how to begin tracking using your desktop Web browser or your mobile device.

Monitoring Via a Web Browser

You can use a Web browser to monitor the location of group members no matter where you happen to be. That is, you don't have to be close to the monitored group member locations in order to see where they are. This is unlike mobile monitoring where you only see the location of group members whose location appears on your current mobile map.

You begin Web-based monitoring by selecting the people you want to monitor as shown in the following illustration. Click the Real-Time Monitoring link on the main page to display this screen.

Monitoring: Select Drivers

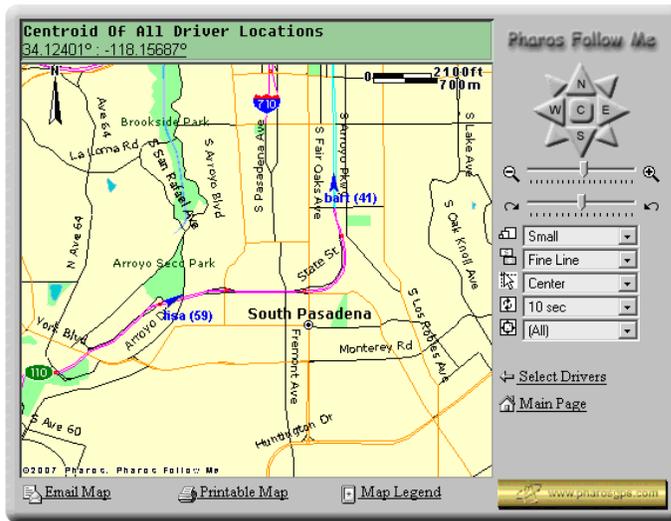
Driver List for 'homer'					Count: 4
<input type="checkbox"/>	Display Name	Company/Group	Latest Trip	Time Ago	Actions
<input type="checkbox"/>	homer	The Simpsons	B1C0CCD67	36d 06:31	Details Last Location
<input type="checkbox"/>	marge	The Simpsons	FD181A19	763d 07:12	Details Last Location
<input checked="" type="checkbox"/>	bart	The Simpsons	CD0C7C9E	00:00	Details Last Location
<input checked="" type="checkbox"/>	lisa	The Simpsons	FC5DA529	00:00	Details Last Location

[Show Selected On Map](#)

[Back to Main](#)

Note: You can only monitor group members who are logged in on their mobile device.

After you have selected the group members you wish to monitor, click the Show Selected On Map link to display a map that shows the current position and travel speed for those members as shown in the following illustration.



The map display updates as necessary in order to keep showing the current member locations. You can use the controls along the right side of the map to change the display as needed.

The map display updates at the selected interval as long as the map page is displayed. To stop monitoring the locations click the Main Page link.

Tip: If a group member turns off the Follow Me function on their mobile device their last location continues to display on the map, but the indicator showing their location turns from blue to red when the last location information received was at least 20 minutes old.

Monitoring Via a Mobile Device

When you use Follow Me on your mobile device you can see where the other members of your group (or people who have added you to their buddy list) are in comparison with your current position. The tracked members show up as small automobile icons on your Ostia map.

Logging in For Tracking

In order to allow yourself to be tracked, you need to log into Follow Me tracking on your mobile device. To log in, tap the Goto Button and choose Power User to display the Power User menu. Then choose Smart Navigator, Login to display the User ID screen. Enter your Follow Me user name (your e-mail address) and then your password. Don't forget that your password is case sensitive—you must enter it correctly or you will not be able to log in.

In addition to logging in, you must also activate Follow Me by selecting the Follow Me option from the Smart Navigator section of the Power User menu. You can deselect the Follow Me option if you want to temporarily stop sending location information to the Follow Me server.

Note: *You mobile device will beep each time it sends location information to the Follow Me server. You can change the tracking interval on the Ostia Options screen.*

Monitoring Member Locations

To add icons for other people to your Ostia map display you use the Find, My Friends option on the Power User menu. You can select up to five people to display and each of them is shown using a different color icon so that you can identify them by color.

After you have selected the people you want to monitor, you will see their location as an automobile icon as shown in the following illustration. In this case the other person appears near the top of the map.



Other people will only appear on your map if they are currently logged in to the Follow Me service and if they are within the area displayed on the map at your current zoom level. If you zoom in to see more detail about your current location you may not be able to see the locations of the other people until you once again zoom out on the map.

Note: The Follow Me service functions by sending location information to the Follow Me server at regular intervals. This requires a live data connection either through your cellular service provider or through an active Wi-Fi connection. Therefore you may not be able to track people in areas where cellular service or Wi-Fi connections are not available.

8.0 GPS Receiver Setup and Configuration

Note: For Pharos All-In-One devices such as Drive GPS 135, Drive GPS 140, Traveler GPS 505, Traveler GPS 535, GPS Phone 600, and EZ Road, the GPS receiver does not need to be setup or installed because it is already built into the device

8.1 GPS Status Indicator/Powering On the GPS Receiver



The Smiley Face at the bottom of the screen indicates the current status of the GPS receiver

Tap the GPS Status Indicator (face) to Power ON/OFF the GPS, as well as to Initialize (reset) the GPS. Refer to **Section 4.1 Map Screen Buttons**



Red Face = The Pocket PC is not receiving data from the GPS receiver. The receiver is either turned Off, or the connection, power or communication port (does not apply for Pharos All-In-One devices) may be disabled and should all be checked



Yellow Face = The GPS receiver is currently acquiring signals from the satellites for a signal lock, but does not yet have a lock

Note: This will also occur If the GPS does not have a clear view of the sky, or if there is environmental or electronic interference from any of the following items: radar detector, CB radio, Satellite radio, metallic material in windshields, 3rd party in-car navigation systems, etc.

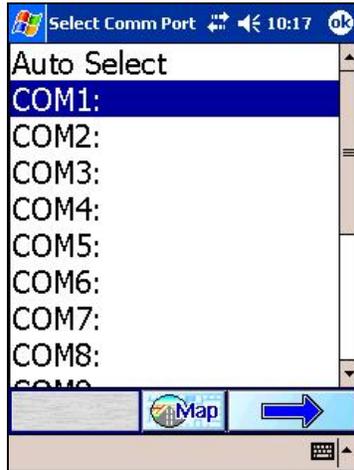


Green Face = A GPS signal lock has been established and the system is ready for navigation. A red arrow will appear on the map, signifying the current position of the GPS receiver. The blue bars next to the face indicate the GPS signal strength.

8.2 Configuring GPS in Ostia

Note: Comm Port Selection only applies if using Windows Mobile-based devices (does not apply to Pharos All-In-One devices)

The first time Ostia starts, the **Select Comm Port** screen will appear. The screen allows you to configure the communication port that the GPS will be using. You can select the Comm Port manually or automatically.

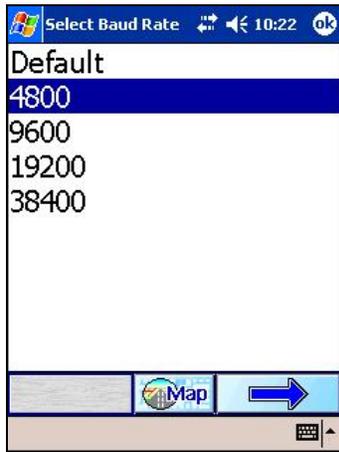


Selecting **Auto** will allow Ostia to configure your GPS automatically. For Bluetooth GPS users, this should be sufficient.

For Serial, CF, and SDIO GPS receivers, the Comm port must be set manually. To set the Comm port **manually**, please refer to the User Manual of your handheld device for the appropriate Comm Port #. Select the COM# from the list, and tap the Forward Arrow when finished.

To access the GPS Configuration screen manually at any time, tap **Goto → Power User → Tools → Select Comm Port**. Select the appropriate Comm Port needed, and tap the Forward Arrow when finished.

Note: If the GPS is taking a long time to acquire a satellite lock, tap **GPS → Initialize**, to reset the GPS Receiver



If you are using a Third-party GPS receiver on a Pocket PC or Pocket PC Phone, you can select the Baud Rate at which the GPS communicates to the software. The Baud Rate for your receiver should be listed in the packaging it came in.

For all Pharos labeled GPS receivers, the Baud Rate is 4800, or the Default.

Select the proper Baud Rate and tap the Forward Arrow.

8.3 Installing Pharos GPS Hardware

iGPS-SD

1. Insert the iGPS-SD into the Secure Digital Card port of the Pocket PC. Make sure you have installed the iGPS-SD driver from the driver disc. This is a separate process from installing any other software.
2. To install the driver, connect your device to the computer/laptop via Microsoft Activesync and run the Setup from the Driver Disk. When finished, perform a soft reset on your device, making sure the iGPS-SD driver is plugged into your device. This will activate the driver and allow you to use the GPS receiver.



iGPS-360 and iGPS-500 Configurations

There are 4 (four) different setup configurations available for the iGPS-360 and iGPS-500.

1) Compact Flash Mode

1a. Insert the iGPS-360 or iGPS-500 into the Compact Flash adapter, and then into the Compact Flash slot of the Pocket PC. **Note:** If your GPS did not come with a CF adapter, you can purchase one from www.services.pharosgps.com/shopping

1b. The Universal Car Power Adapter can also be used, while in a vehicle, to supply power to the Pocket PC and GPS.



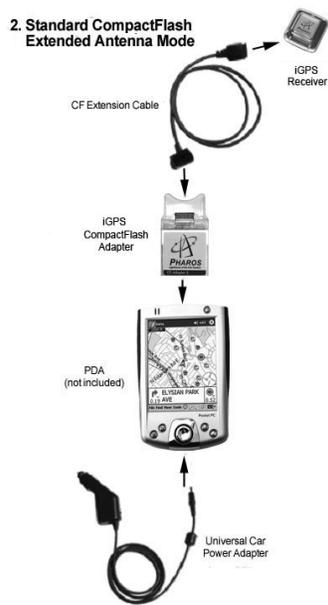
2) Compact Flash Extended Antenna Mode

2a. Detach the iGPS-360 or iGPS-500 receiver from the Compact Flash Adapter base.

2b. Attach the CF extension cable between the iGPS-360 or iGPS-500 and the base.

2c. Insert the iGPS-360 or iGPS-500 Compact Flash Adapter base into the Compact Flash slot of the Pocket PC.

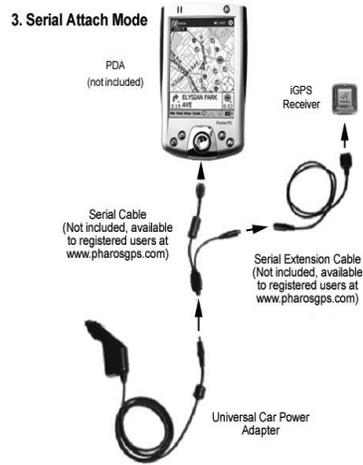
2d. The Universal Car Power Adapter can also be used, while in a vehicle, to supply power to the Pocket PC and GPS simultaneously.



3) Serial Attach Mode

3a. Connect the iGPS-360 or iGPS-500 to the Serial Cable specifically for your Pocket PC.

3b. Connect the Serial Cable to your Pocket PC serial port and connect the Universal Car Power Adapter. This mode requires power via the 12V cigarette lighter adapter in your vehicle to work.



4) Bluetooth

Your Passkey is:

12345678

For further info, please refer to the Walkthrough Guides in section II of your iGPS-BT User Manual or the Support section at www.pharosgps.com for Bluetooth setup instructions.



9.0 Troubleshooting

Visit the Pharos website (<http://www.pharosgps.com/support>) for FAQs, tips, troubleshooting and latest updates.

Some things to watch for:

- Know how to do a "Soft Reset" on your Pocket PC as per your Pocket PC manual. This can resolve a large number of issues.
- With a serial-based GPS setup, you may need to disable the external keyboard for your PDA in your Programs list, if you have one. It may need to be disabled every time you soft reset, as most are programmed to be enabled by default.
- Make sure you are outside in an area clear of any obstructions that may block the GPS satellite signals to your GPS receiver. Obstructions include large buildings, as well as mountains, tunnels, and even large trees planted very close together
- To use a storage card for map storage, make sure the *.cash, *.food, *.fuel, *.hotel, *.inx, and *.rmf files (total of 6 files) for each map are stored in a "My Documents" folder and that the folder is not located inside any other folders or directories. It must appear as follows to function properly:
My Documents
(Take note of spacing and capitalization. They are important.)
- The Registration key is located on the inside flap of the cardboard CD holder, and the UPC code is on the back
- When trying to connect your device to your laptop/tablet/PC, you need to have the latest version of ActiveSync installed and showing that it is both Connected and Synchronized. If you do not have the latest version, you can download it from www.microsoft.com/windowsmobile. Devices using Windows Mobile 5.0 or higher require ActiveSync 4.2 or higher
- Since the Canadian highway/motorway map does not cover the entire country, when trying to route in Canada across long distances, and you are unable to create a route using the highway/motorway map, try opening all the necessary local maps to create the route

10.0 Contact Us at Pharos

Pharos Science & Applications, Inc.

<http://www.PharosGPS.com>

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Torrance, CA

90501-1478

USA

Phone: • Toll free at 888-PHAROS8 (888-742-7678) for
 Technical Support in USA and Canada
 • 877-774-2767 for Product Info & Sales

Fax: 310-320-1808

Email: Support@PharosGPS.com
 Sales@PharosGPS.com
 Info@PharosGPS.com

Telephone technical support is available Monday through
Friday between the hours of 8:30 AM to 5:30 PM Pacific
Standard Time

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