

GPS User's Guide

StreetFinder® Deluxe 2000

GPS for the Palm III handheld

GPS for the Palm V handheld

GPS for the laptop PC

 **RAND McNALLY**

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Package Contents

Before you start, check that your StreetFinder GPS package contains the following components.

⊖ GPS for Palm Handhelds

- one GPS receiver for the Palm handheld
- StreetFinder Deluxe 2000 software
- one car windshield mount
- one car lighter adapter
- one carrying case
- one AC adapter (Palm III GPS receiver only)

If you are missing anything, please contact the Rand McNally technical support department at (847) 982-0944 and request a replacement.

⊖ GPS for Laptop PCs

- one GPS receiver
- StreetFinder Deluxe 2000 software

GPS Instructions for Palm III and Palm V Handhelds

➡ Install StreetFinder on your Palm handheld

You will be instructed to install the StreetFinder application on your Palm device when you install StreetFinder Deluxe 2000 on your PC, as follows:

1. Place the StreetFinder Deluxe 2000 Install CD into your CD-ROM drive. Setup should run automatically after several seconds. If it does not, click the **Start** button on your desktop and select **Run**. In the Run dialog box enter **X:\Setup**, where X is the drive letter for your CD-ROM.
2. Follow the on-screen instructions to install StreetFinder Deluxe 2000 on your PC. Make sure to answer “yes” to the question: “Do you want to place StreetFinder® for the Palm™ organizer into your HotSync™ queue?”

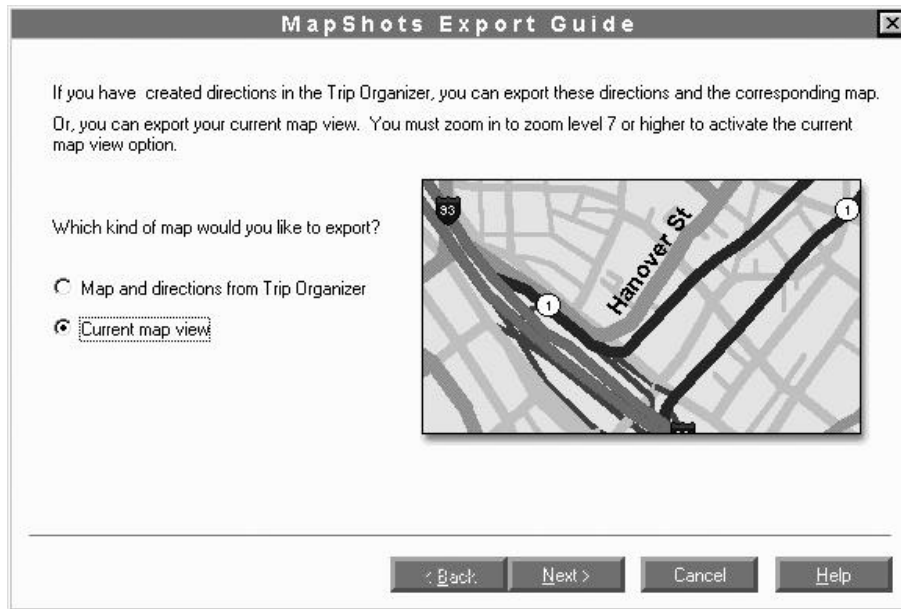
➡ Download a Map to your Palm

Before using the GPS receiver, you must first download a map of the area where you plan to use GPS. In StreetFinder Deluxe 2000 you use the MapShots Export utility to download maps to your Palm handheld. You can download two types of maps:

- your current map view
- a map and directions that you create in the Trip Organizer

To download the current map view:

1. In the StreetFinder desktop application, make certain that you are zoomed in to level 7 or higher. You can check your zoom level with the **Zoom Level** item on the **View** menu.
2. Place any address markers that you want to save with your map. Use the Marker tool at the bottom of the StreetFinder Deluxe screen to place your markers. (For more information, see **Help** in the StreetFinder Deluxe 2000 desktop application.)



3. Once you have specified your map view, select the **MapShots** menu item to open the MapShots Export Guide, then follow the step-by-step instructions. MapShots will place the map you have created in your HotSync queue. Once you have created the map, simply perform a HotSync operation to download the map to your Palm handheld.

To download a map and directions that you create in the Trip Organizer:

1. On the StreetFinder desktop, click the **Trip Organizer** button and use the **Get Directions** feature to create a set of directions.
2. Once you have created your directions, select the **MapShots** menu item to open the MapShots Export Guide, and follow the step-by-step instructions. MapShots will place the map you have created in your HotSync queue. Once you have created the map, simply perform a HotSync operation to download the map to your Palm handheld.

Note: The MapShots Export Guide will report the amount of memory a map requires on your Palm device. You should check to make certain that amount of memory is available before you download the map. Maps you create are stored in the StreetFinder folder on your PC, so that you can delete them from your Palm organizer to free up space and reload them at a later date.

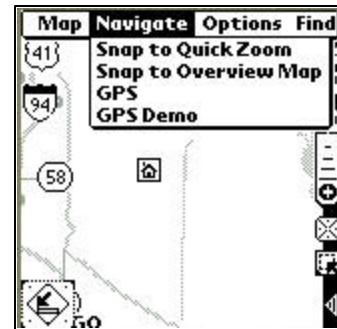
➡ Use StreetFinder GPS on your Palm handheld

1. *If you are using the Palm III GPS receiver*, charge it for 8 hours prior to use, using the AC adapter supplied with the receiver. *If you are using the Palm V GPS receiver*, install 2 AAA batteries in the compartment in the back of the receiver.
2. Turn on your Palm handheld. Select the StreetFinder icon on the Applications screen.

3. In StreetFinder, select the map that you downloaded.
4. Clip your Palm handheld to the GPS receiver. To do so, hold the base of the handheld to the front of the GPS receiver at slight angle and connect the two ports. Push the handheld back into place in the receiver, pressing down lightly to snap it into place.



5. Open the StreetFinder **Navigate** menu and tap the **GPS** selection. The GPS warning screen will appear, and you will see a checkbox in front of an option labeled. **Disable Auto Power Off**. Leave this option checked so that your Palm will not shut off while you are using GPS.



6. Tap the **Start GPS** button. You will then see the message “Acquiring Signal” on your map screen.

Your GPS receiver will normally acquire a signal in less than 5 minutes. However, satellite acquisition may take up to 20 minutes the first time you use the receiver or if you have traveled several hundred miles from the location you last used the receiver.

7. To stop GPS, select **GPS** from the **Navigate** menu again and tap the **Stop GPS** button.



Note: The GPS receiver must have an unobstructed view of the sky. GPS signals do not pass through solid objects such as roofs, tall buildings, and dense tree cover.

➔ FAQs

Q: Where can I find instructions on how to use other features in the StreetFinder for the Palm Organizer application?

A: For complete directions on how to use the StreetFinder application on your Palm handheld, see the StreetFinder Deluxe 2000 Help system on your PC.

Q How do I turn on/off the unit?

A: The receiver turns on automatically when you start the GPS feature in the StreetFinder for the Palm Organizer software. The receiver turns off when you tap the **Stop GPS** button. It will also shut off automatically after a 90-second delay under these circumstances: you exit the StreetFinder® application, you turn off the Palm™ connected organizer, or you detach the organizer from the GPS receiver.

Q: Does the car lighter adapter power the Palm Pilot?

A: No, it only powers and charges the GPS unit.

Q: *(Palm III receiver only)* How long will the receiver's charge last?

A: When fully charged, the Lithium-Ion battery operates 4-6 hours.

Q: *(Palm V receiver only)* How long will the batteries last?

A: Fresh alkaline batteries will last 8-10 hours.

Q: Will your Palm III GPS unit work with other software programs for the Palm?

A: Yes, it will work with any GPS program that supports the NMEA standard.

Q: *(Palm V receiver only)* What is that button for on the front of the GPS receiver?

A: This button may be needed to turn on the GPS receiver if you are using the receiver with other software applications. You do not need to use it with StreetFinder for the Palm Organizer.

GPS Instructions for the Laptop Receiver

➔ Check System Requirements

To set up your Rand McNally laptop GPS receiver you simply plug the two receiver cables into your laptop. Before you start, however, make sure you have the following things:

- An 80486 computer running Windows 95/98/NT 4.0
- At least 16 MB of RAM
- Double-speed CD ROM drive or greater
- 150 MB of free hard drive space
- An open serial port and PS/2 (mouse) port

➔ Start GPS

To set up and start your laptop GPS receiver, follow these quick steps:

1. Shut down your computer.
2. Attach the round (mouse) plug to your open mouse port.
3. Attach the square (serial) connection to your open serial port.
4. Restart your computer.
5. After restarting, double-click the StreetFinder or icon to start the program.
6. Once StreetFinder starts, press **F9** on your keyboard to start GPS immediately.

-Or-

If you want to record your route, go to the **GPS** menu and select **Settings**. In the Settings dialog box, select the **Monitor and Record** option, and provide a file name. Click **OK** to return to the map, then press **F9** to start GPS and record your route.

➔ FAQs

Q: How much will using the receiver drain my laptop's battery?

A: The GPS unit actually uses less power than your laptop's CD drive. To save on battery power, we recommend doing a local map install of the area where you'll be traveling. If you have a 2 hour battery, you'll still get about 1.5 hours. If you have a 6 hour battery, you'll get about 4 to 5 hours.

Q: Will the receiver handle interference from trees, clouds, and tall buildings?

A: It will handle interference in the same way as many of the more expensive units. Clouds, non-metallized glass or convertible tops won't effect it, but trees, human bodies, buildings, or other objects will.

Q: How long does it take to first pick up the GPS signal?

A: The TTFF (Time To First Fix) is usually just a few minutes, if it is the first time you have used the unit in this time zone. It can take as little as 30 seconds, if you have used it within the last 30 minutes.

Q: Can I use it outside of the car or attach it to my car roof?

A: Yes, but it is intended for use inside a vehicle and is not weatherproof. Use it outside the vehicle at your own risk.

Q: I noticed that the power comes from the mouse port. What if I don't have a mouse (PS/2) port?

A: Our Technical Support department can provide you with cigarette lighter adapters for \$12.95 plus shipping. Contact technical support at 847-982-0944 to order.

Q: I'm having trouble getting started with your Rand McNally GPS unit. What should I do?

A: When you first plug in your Rand McNally GPS unit and start StreetFinder, you should be ready to go. The unit does not require any special driver nor does it need to be "detected" by Windows in order to work. If your unit has a clear view of the sky, you should start seeing your current position within a few minutes of starting GPS.

One problem you may encounter is another program trying to use the serial port when you start up your GPS. The most common instance of this is the HotSync feature for the Palm OS, or CE Services for Windows CE. These will need to be turned off in order to operate GPS. The easiest way to do this is to click Ctl/Alt/Delete, then select the appropriate program and choose End Task.

Q: Is it safe to use a GPS device in the car?

A: You should never use a GPS device in a way that will interfere with your safe and attentive driving. If you are by yourself, pull over to the side of the road or wait until you are stopped at a stoplight to check your position.