Navman GPS 4460 FAQ

Date: 5 March 2004
Hardware: Navman Bluetooth GPS Receiver
Software: Navman SmartST Professional for Palm OS 5 version 1.0 and 1.1

Contents

1   SmartST for Palm OS5 v 1.0

This section covers questions about version v1.0 and later.

1.1   Compatibility

1.1.1   Which devices does SmartST Professional for Palm OS5 support?

SmartST Pro for Palm OS5 v1.0, v1.1
Entered: 3 March 2004

SmartST Professional for Palm OS5 i1.0 (1.30.0011)

	GPS 4460	Sony PEGA-CC5 Car Cradle *1
Sony PEG-NZ90	Y	N
Sony PEG-NX73V	N	Y
Sony PEG-NX80V	N	Y
Sony PEG-TG50	Y	Y
Palm Tungsten T	Y	N
Palm Tungsten T2	Y	N

	GPS 4460	Sony PEGA-CC5 Car Cradle *1
Palm Tungsten T3	Y	N

SmartST Professional for Palm OS5 i1.1 (1.30.001x)

	GPS 4460	Sony PEGA-CC5 Car Cradle *1
Palm Tungsten T	Y	N
Palm Tungsten T2	Y	N
Palm Tungsten T3	Y	N
Palm Tungsten C	N	N
Palm Zire 71	N	N
Sony PEG-NX73V	N	Y
Sony PEG-NX80V	N	Y
Sony PEG-NZ90	Y	N
Sony PEG-TG50	Y	Y
Sony PEG-TH55	Y	Y
Sony PEG-UX50	Y	N
Sony PEG-TJ35	N	N

*1 English only

1.1.2 What are the minimum PDA requirements?
SmartST Pro for Palm OS5 v1.0, v1.1
Entered: 27 February 2004

The PDA must run Palm OS® 5.

The PDA needs a minimum of 5.5MB of internal storage memory and minimum of 600KB of dynamic memory to run SmartST Professional. Additional memory requirements vary according to the size of the maps loaded.

A memory card (sold separately) is required to store maps. Individual map regions range in size from 1.5 MB to 70 MB. The minimum recommended memory card size is 128 MB.

Display resolutions of 320x320 and 320x480 pixel resolution are supported. 320x480 screens are able to display a larger map area.

1.1.3 Is the GPS 4460 product compatible with the Treo 600?
Is the new GPS 4460 product compatible with the Treo 600 and if not will there be a version that is compatible?
SmartST Pro for Palm v1.0, v1.1
Entered: 27 February 2004

The GPS 4460 product is not compatible with the Treo 600. SmartST requires a device that has a minimum screen resolution of 320 x 320, and external card memory. The Treo600 has a 160 x 160 screen resolution and no built in Bluetooth support. The Treo600 is unlikely to be supported in future versions of SmartST.

1.2 Installation

1.2.1 When should I press HotSync during the installation?
SmartST Pro for Palm OS5 v1.0, v1.1
Entered: 27 February 2004

While doing *Install Application* I get this message:

'To complete installation, ensure your handheld is placed in the cradle, with a memory card inserted, and then press the HotSync button.'

When do I need to do a HotSync on my PDA is it before or after pressing OK button on the message box?

It doesn't really matter whether you press the HotSync button, before or after dismissing the message box with the OK button. The prompt is there only to ask you to HotSync your PDA before proceeding to *Activate Software*.

1.2.2 What files are installed when the Map Installer starts?
SmartST Pro for Palm OS5 v1.0, v1.1

Entered: 27 February 2004

Sometimes when I click the *Install Map* button on the SmartST Desktop a progress bar box, shown below, takes a while to install some files. What are these files for?

These are speech and colour scheme data files required by the SmartST application. They are copied to the external memory card the first time you Install Maps on your PDA or when the files available on your PC are newer than those on your memory card.

1.3 Product Activation

1.3.1 Error communicating with your Palm device
I see the error message "Error communicating with your Palm device. …" when:
Activating software for my Sony Clié
Downloading maps to my Sony Clié
Activating software for my Palm Tungsten
Downloading maps to my Palm Tungsten
SmartST Professional for Palm OS5 v1.0, v1.1
Entered: January 2004

For the Sony Clié the rest of the error message goes on to say that you should leave the Memory Stick in the Clié and start MS Import or Data Import on your Clié.

For the Palm Tungsten the rest of the error message goes on to say that you should put the SD or MMC memory card in the card reader.

1.4 Miscellaneous

1.4.1 The 3D display is slow to update. How can I make it faster?
SmartST Pro for Palm OS5 v1.0, v1.1
Entered: 27 February 2004

The speed on the 3D screen may be increased by setting the view angle to a smaller value, e.g. 0 degrees.

1.4.2 Why did the application crash when I ejected the memory card during a re-route?
SmartST Pro for Palm OS5 v1.0, v1.1
Entered: 27 February 2004

You should not eject memory cards whilst the unit is reading or writing to them or while the PDA calculates a route.

1.4.3 Why I can't select the correct voice files?
I reinstalled the application with a different language version, but now I can't select the correct voice files. How do I get the correct voice files installed?
SmartST Pro for Palm OS5 v1.0, v1.1
Entered: 27 February 2004

If you wish to reinstall SmartST with a different language version it is necessary to completely remove the previous installation. This includes removing the Navman directory from the memory card or reformatting the memory card so that the correct speech files are installed.

1.4.4 In the map screen all I see is a gray screen?
SmartST

Entered: 27 February 2004

The user may see a gray screen (i.e., no map visible) in the map display if there is currently no GPS fix or if the GPS fix is for a position on a map that is not loaded.

1.4.5 How do I make SmartST use the full screen on the T3?
How do I enable large screen support for the Tungsten T3?
SmartST Pro for Palm OS5 v1.0, v1.1
Entered: 27 February 2004

SmartST supports the larger resolution display in either portrait or landscape modes on Tungsten T3 PDAs.

To enable this support, please install the "Dynamic Input area compatibility prcs" supplied by PalmOne.

These are supplied on the SmartST Professional application CD and also in the installation directory for SmartST on your PC. These files are usually in: "`C:\Program Files\Navman\Navman SmartST Professional for Palm` Desktop\T3_Large_Screen_Support`

Please ensure that you install both:

> AppSlipRotate.prc
>
> StatusBarLib.prc

at the same time. If these are not installed in the same HotSync operation you may have hard reset your PDA.

If you have already installed these files for use with other software, then you do not need to reinstall them for SmartST.

To install Palm OS PRC files, please double click on the PRC file and the HotSync Quick Installer will queue it for the next installation. If you have more than one Palm OS device registered on your computer, you may be asked for which device to install these files to. To complete installation you will need to press your HotSync button.

For further information on installing Palm OS PRC files onto your Palm OS device, please refer to your PDA user manual.

1.5 USB Card Reader

1.5.1 What are the USB Card Reader specifications?
Which memory cards can be used with the supplied card reader?
Which USB standard does the card reader support?
GPS 4460, SmartST Pro for Palm OS5 Software Only
Entered: 27 February 2004

A USB card reader is bundled as part of the GPS 4460 product.   An additional CD with drivers for Windows 98SE, 2000, XP is provided as well. Please refer to the driver CD for instructions on how to use the USB Card Reader.

This Universal Serial Bus (USB) Revision 2.0 card reader supports:

- 8 to 256MB Secure Digital (SD) Card
- 8 to 128MB Multi Media Card (MMC) Card
- 8 to 128MB Memory Stick (MS) Card
- 256MB Memory Stick PRO (MS-PRO) Card
- 8 to 512MB Compact Flash (CF) Card
- 340MB, 512MB, and 1.0GB IBM Micro drive (MD)
- 8 to 128MB Smart Media (SM) Card

1.5.2 How do I use the USB 2.0 Card Reader?

GPS 4460
Entered: 27 February 2004

The SMSC USB97C210 chip based Card Reader supplied with the GPS 4460 package has may be difficult to use in some situations. Problems most likely to occur are described and solved below.

Please read the readme.txt files in the \Driver\Windows 98SE and Driver\Windows 2000 directories.

If you have Windows 98SE install the Windows 98SE drivers from the driver CD directory \Driver\Windows 98.

If you have Windows 2000 install the Windows 98SE drivers from the driver CD directory \Driver\Windows 2000.

The problem most likely to occur is that users cannot find a drive letter that corresponds to the SD card drive. The simplest reason for this will be they are not looking in the right place. When working correctly the card reader driver creates 4 new drive letters. It is not obvious which of the drive letters corresponds to the SD card. The SD card drive is the 3rd of the four drive letters. For example if the Card Reader uses drives F:, G:, H:, and I: then the SD card will be drive H:.

The more problematic situation is when users cannot find the drive letter because it has not been mapped to the SD card drive. The Card Reader driver maps drive letters according to a simple set of rules. It looks for the first free drive letter after C:. It then starts mapping its 4 drives to the succeeding driver letters. If it does not find 4 free drive letters in sequence at that point then it doesn't map those drives. For example, consider the following table of drive assignments:

Drive letter	Resource
A:	diskette
C:	first partition on first hard disk
D:	first partition on second hard disk
E:	DVD
F:	CD Writer
I:	shared folder on Isabelle's computer

In some instances the Card Reader driver may add it drive this way:

Drive letter	Resource
A:	diskette
C:	first partition on first hard disk
D:	first partition on second hard disk
E:	DVD
F:	CD Writer
G:	CF removable device
H:	Memory stick removable device
I:	shared folder on Isabelle's computer
J:	SD/MMC removable device
K:	Smart Media removable device

However, the Card Reader driver may add it drive this way:

Drive letter	Resource
A:	diskette
C:	first partition on first hard disk

D:	first partition on second hard disk
E:	DVD
F:	CD Writer
G:	CF device
H:	Memory stick device
I:	shared folder on Isabelle's computer

Where are the SD and Smart Media devices? They cannot be accessed as no drive letter has been assigned.

In this example case the problem can be solved by un-mapping drive I: and remapping it to some letter after K.

In a business environment in which most drive letters are already automatically mapped to some shared folder on the network, the first free space after C: drive is likely to be less than the four free spaces required. A quick solution is to reboot the computer with the network cable unplugged. Drive letters that are usually automatically assigned will now be free for the USB Card Reader to use. Obviously this is a temporary solution and inconvenient.

2 SmartST for Palm OS5 v 1.1

This section covers questions about version v1.1 and later.

2.1 Compatibility

2.1.1 Which 3rd party Bluetooth GPS receivers work?
Which 3rd party Bluetooth GPS receivers work with SmartST Professional for Palm and the Palm Tungsten or Sony Clié?
SmartST Professional for Palm OS5 v1.1
Entered: February 2004

	Navman Bluetooth GPS Receiver	Socket #BT GPS / Emtac BT GPS	RoyalTek #RBT-3000	TomTom #9821X	Pharos #iGPS-BT	Holux #GR-230XX	Teletype #TTBT-1000
Sony PEG-TG50	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Sony PEG-NZ90	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Sony PEG-UX50	Pass	Pass	Pass	Untested	Pass	Pass	Pass
Sony PEG-TH55	Pass	Pass	Pass	Untested	Pass	Pass	Pass
Tungsten T	Pass	Pass	Untested	Pass	Untested	Untested	Pass
Tungsten T2	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Tungsten T3	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Some PDA and GPS receiver combinations will only allow trusted device connection therefore require the GPS receiver passkey to be supplied. The passkey is in the instruction manual of the Bluetooth GPS Receiver. The first time the user attempts to activate the Bluetooth connection they are prompted for a passkey. Once the passkey is entered one of two things will happen. Either the passkey is added to the list of trusted device and the connection is successful or the device cannot be added to the list of trusted devices and the connection fails and SmartST displays an error message. In this case try again and make sure the passkey is entered correctly. If the device cannot be added to the list of trusted device automatically then go to the Bluetooth section Prefs application. Add the GPS receiver as a new trusted device and then restart SmartST. Rediscover Bluetooth devices in the Settings – GPS screen, and select the GPS receiver. In the GPS Status screen switch on the GPS.

2.2 Sony

2.2.1 The voice instructions are spoken late when using the Sony car cradle. How can I improve this?

SmartST Pro for Palm OS5 v1.1
Entered: 27 February 2004

In the Car Settings the Delay time to Sony Car Audio should be set to the minimum value of 1 second to minimise any delay in voice instructions being delivered by the application. Please refer to your Sony Car Cradle operating instructions.

2.2.2 Can I install languages other than UK English and use the Sony Car Cradle?

SmartST Pro for Palm OS5 v1.1
Entered: 27 February 2004

The Sony Car cradle will currently only support the UK English language version of SmartST. Running other language versions in the car cradle may result in unpredictable behavior and inaccurate navigation instructions.

3 Bluetooth GPS Receiver

3.1.1 Why does my Bluetooth GPS receiver have difficulty connecting?

GPS 4460, GPS 4100, SmartST Pro for Palm OS5 Software Only
Entered: 27 February 2004

Check the batteries in your Bluetooth GPS receiver. When the batteries are low the device may not work as well as it should. The light on the Bluetooth receiver flashes red when the batteries are very low.