

## Your personal car navigation system

TomTom Navigator is a flexible car navigation system for your Microsoft Windows® powered Pocket PC. With the Wireless GPS receiver, you even have the freedom to use the system outside of your car. Spoken and on-screen instructions will guide you safely to your destination. The system offers you many useful features such as avoiding certain roads and searching for the nearest gas station or restaurant. No more hassling with paper maps, no more asking strangers for directions and no more getting lost. Now you can confidently set out on your trip knowing that Navigator will be at your side every step of the way.

For a compact and flexible mounting solution in your car we recommend that you use the TomTom Car Kit. The TomTom Car Kit is supplied separately. Please ask your supplier for the compatible Car Kit for your Pocket PC.



## Features

- TomTom Wireless GPS receiver
- Voice guided route instructions
- Door-to-door navigation
- 2D or 3D views
- Seamless integration with Pocket Outlook®
- Extensive list of points of interest
- Easy to install

## What's in the box:

- 1 A TomTom Navigator cd-rom with the software, electronic maps and manuals
- 2 The TomTom wireless GPS receiver
- 3 The TomTom wireless GPS receiver cradle
- 4 A cable to connect the Pocket PC with the car charger
- 5 A cable to connect the GPS receiver to the car charger
- 8 An AC Adapter with international plugs
- 9 An adhesive base plate for magnetic fixture
- 10 Permanent Power Cable
- 11 Adhesive Tape

## TomTom Navigator USA: Bluetooth technology for Pocket PC

### Product Information

#### System requirements to install

Installation of the software requires a PC with Windows 98/NT/ME/2000/XP, a CDROM drive and internet access. The PC must be connected to a Pocket PC device using ActiveSync®. ActiveSync® is supplied with your Pocket PC.

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#### Memory requirements

There should be sufficient memory available on your Pocket PC for the application and the maps.

- **Application:**  
5MB of memory to install and 5MB extra to run the application.
- **Maps:**  
The maps are available in different sizes:  
- *Individual states:* range from 2MB (RI) up to 60MB (CA)  
- *Regional maps:* Sizes range from 14MB up to 160MB.  
(Please check [www.tomtom.com](http://www.tomtom.com) for full map coverage info.)

#### Languages

The application runs in English, German, French, Dutch, Italian and Spanish. Additional languages to use for verbal instructions are: Belgian Dutch, Danish, Norwegian and Swedish.

#### Suitable for the following Pocket PCs:

- Compaq iPAQ 3870, 3970, 5450, 1940 and 2210
- Hewlett Packard Jornada 500 serie
- Toshiba E740 BT and E750 BT
- Fujitsu-Siemens Pocket LOOX
- Other Bluetooth enabled Pocket PC's

Please check [www.tomtom.com](http://www.tomtom.com) for up-to-date list.

#### Car Mounting Options

For a compact and flexible mounting solution in your car we recommend that you use the TomTom Car Kit. The TomTom Car Kit is supplied separately. Please ask your supplier for the compatible Car Kit for your Pocket PC.

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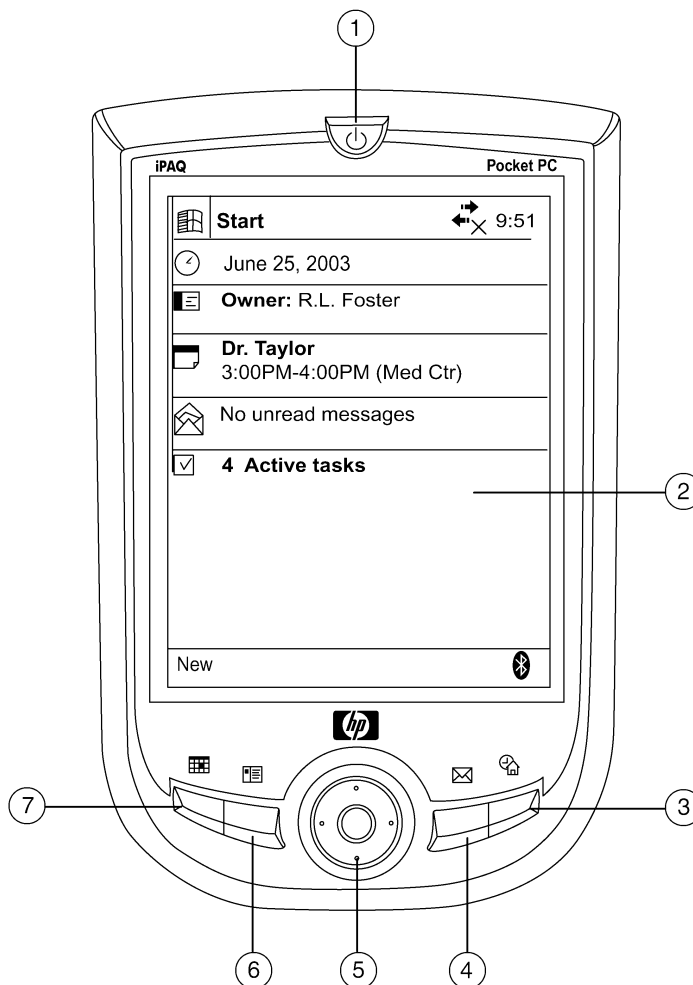
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## Overview

### At A Glance

- Windows® Mobile 2003 software
- Integrated Bluetooth
- Flexible expansion with SD expansion slot
- Dazzling Transflective TFT color with LED backlight display
- Removable/rechargeable battery
- Stay productive with Pocket versions of familiar applications like Microsoft® Outlook, Word and Excel



- |                  |                            |
|------------------|----------------------------|
| 1. Power Button  | 5. 5-Way Navigation Button |
| 2. Color Display | 6. Contacts Button         |
| 3. Today Button  | 7. Calendar Button         |
| 4. Inbox Button  |                            |



## *Standard Features*

### **Models**

**iPAQ Pocket PC h1940 – 64-MB SDRAM**

*FA105A#8ZQ - US Commercial, English*

**iPAQ Pocket PC h1945 – 64-MB SDRAM**

*FA163A#8ZP- US Retail, English*

## Standard Features

<b>Processor</b>	Samsung (2410) 266 MHz processor	
<b>Memory</b>	<b>SDRAM</b>	64 MB (56 MB main memory) Up to 14 MB iPAQ File Store available on certain SKUs
<b>Display</b>	<b>Type</b>	Transflective type TFT color with LED backlight
	<b>Number of Colors</b>	64K color (65,536 colors) 16-bit
	<b>Touch Screen</b>	Yes
	<b>Resolution (W x H)</b>	240 x 320
	<b>Viewable Image Size</b>	3.5 in (96 mm)
<b>Hardware Buttons/Reset Buttons</b>	One power button, one recording button, one soft reset switch, four software programmable application buttons, one navigation button	
<b>Stylus</b>	One	
<b>Audio</b>	Microphone, speaker, one 2.5 mm headphone jack, MP3 stereo (through audio jack)	
<b>Notification Systems</b>	<b>Alarms</b>	Solid amber LED – battery in unit fully charged Flashing amber LED – battery in unit is charging Flashing green LED – event alarm/notification Flashing blue LED – Bluetooth active <sup>1</sup>
	<b>Notification</b>	Sound and message on the display
<b>SD Slot</b>	Support SDIO and SD/MMC type standard	
<b>Power Supply</b>	<b>Battery</b>	Removable/Rechargeable 900 mAh Lithium-Ion user swappable battery. Estimated usage time of fully charged batter up to 8 hours.
	<b>AC Power</b>	AC Input: 100–240 Vac, 50/60 Hz, AC Input current: 0.2 Aac max Output Voltage: 5Vdc (typical), Output Current: 2A (typical)
	<b>NOTE:</b> Battery life varies based on the usage pattern of an individual user and the configuration of the handheld. Use of some attachments may significantly decrease battery life.	
<b>Ergonomic Design Features</b>	Instant-on/off and Backlight Navigation button Touch-sensitive display for stylus 4 programmable application launch buttons – Calendar, Contacts, Inbox, and Today buttons 2 alarm settings Built-in speaker	
<b>HP Exclusive Applications</b>	Bluetooth Manager iPAQ Backup: utility for Backup/Restore to Main Memory or Memory Card Utilities: Self Test, iPAQ Audio, Power Status iPAQ Image Viewer: view images and create slide shows	

## Standard Features

Companion CD from HP	<p><b>APPLICATIONS</b></p> <table border="0"> <tr> <td data-bbox="509 285 867 527"> <p><b>Full Versions</b>            Adobe PDF Viewer            Resco File Explorer (available on h1945)            hp Web Registration            Active Sync            Outlook 2002 Desktop            Real Player Mobile            ClearVue Suite            iPAQ Image Viewer</p> </td> <td data-bbox="987 285 1138 394"> <p><b>Trial Versions</b>            Ewallet            ListPro            Cadenza mNotes</p> </td> </tr> </table> <hr/> <p><b>CD LINKS</b></p> <table border="0"> <tr> <td data-bbox="509 569 797 783"> <p><b>Full Versions</b>            Audible Player            Handango            hp Mobile Print Center            Avant Go            Media Player Desktop            Microsoft Games            World Wide Telephone Numbers</p> </td> <td data-bbox="987 569 1175 651"> <p><b>Trial Versions</b>            Resco Picture Viewer            Location Based</p> </td> </tr> </table> <p><b>Additional Documentation</b>            Safety and Comfort Guide on PDF, and User Guide on PDF  <b>NOTE:</b> Programs could vary based on SKU. Some programs are accessed through CD links to download web sites.</p>	<p><b>Full Versions</b>            Adobe PDF Viewer            Resco File Explorer (available on h1945)            hp Web Registration            Active Sync            Outlook 2002 Desktop            Real Player Mobile            ClearVue Suite            iPAQ Image Viewer</p>	<p><b>Trial Versions</b>            Ewallet            ListPro            Cadenza mNotes</p>	<p><b>Full Versions</b>            Audible Player            Handango            hp Mobile Print Center            Avant Go            Media Player Desktop            Microsoft Games            World Wide Telephone Numbers</p>	<p><b>Trial Versions</b>            Resco Picture Viewer            Location Based</p>
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Operating System	<p>Microsoft Windows Mobile 2003 Professional software            (Microsoft Windows Mobile 2003 Premium edition on SKUs: FA105A#AB2, FA105A#ABO, FA105A#AB5, FA105A#AB1, and FA105A#ABJ)</p>				
Operating System Applications	<p>Microsoft Windows Mobile 2003 software for Pocket PC            Calendar, Contacts, Tasks, Voice Recorder, Notes, Pocket Word, Pocket Excel, Pocket Internet Explorer, Calculator, Solitaire, Inbox, File Explorer, Infrared Beaming, Clock, Align Screen, Memory, Volume control, Asset Viewer</p>				
Additional Software and links	<p>Outlook 2002, Microsoft ActiveSync 3.7 (Desktop device synchronization), Links to Microsoft Web sites for additional downloadable applications (some programs may require purchase of additional desktop software to utilize Pocket PC versions), Windows Media Player 9 (MP3, audio and video streaming)</p>				
Service and Support	<p>Worldwide warranty one-year parts and labor. North America / Europe: Next Business Day Replacement CarePAQ available for purchase</p>				

## Standard Features

<b>Bluetooth Specifications*</b>	<b>Technology</b>	High-speed, low-power, short-range
	<b>Bluetooth specification</b>	1.1 compliant (2.4-GHz Industrial Scientific Medical Band)
	<b>System interface</b>	High-speed UART processor interface
	<b>User Interface</b>	Bluetooth Manager
	<b>Device type</b>	Class II device; up to 4 dBm transmit, typical 10 meter range
	<b>Power</b>	3.3V ± 5% Peak current - typical TX current at approximately 140 mA
	<b>Receiver sensitivity</b>	-78 dBm or greater
	<b>Regulatory standards</b>	R&T#-EN 300 328 and EN 300 826, UL 1950, CB Safety Scheme inclusive of EN 60950 and IEC 950, FCC Part 15 subpart C, Canadian, CE,
	<b>Profile Support</b>	General Access Profile Service Discovery Application Profile Serial Port Profile Generic Object Exchange Profile File Transfer Profile Dial-Up Networking Profile LAN Access Profile Object Push Profile Personal Area Networking Profile Basic Printing Profile Hard Copy Replacement Profile (printing)
	<b>Usage Models *</b>	<b>Service Discovery</b>
<b>File Transfer</b>		File and directory browsing and navigation on another Bluetooth device. File copying Object manipulation – including add, delete, create new folders etc.
<b>Serial Port</b>		Synchronization between PDAs and PCs
<b>Dial Up Networking</b>		Wireless link to WAN thru Bluetooth enabled cell phone* Agnostic to WAN technology Send/receive SMS messages
<b>LAN Access</b>		Wireless link to Corporate LAN using Bluetooth and appropriate Bluetooth access point* Corporate email, network neighborhood, access to LAN applications, file transfer, ftp, Internet browsing, etc, using TCP/IP* Access the Internet by connecting to your desktop or notebook over Bluetooth and using its network connection*
<b>Generic Object Exchange and Object Push</b>		Exchange business cards, tasks, documents, appointments and more*
<b>Personal Area Networking</b>		Collaborate, chat, play games, exchange data* Adhoc peer to peer networking*
<b>Basic Printing and Hard Copy Replacement Profiles</b>		Print to any HP Bluetooth enabled printer without the need for cables or specific print drivers
<b>Certifications</b>		All necessary regulatory approvals for countries we support including: Bluetooth logo (FCC (47 CFR) Part 15C, Section 15.247&15.249 ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL and CE Mark

**NOTE:** \* A standard WLAN infrastructure, other devices enabled with Bluetooth, and a service contract with a wireless airtime provider may be required for applicable wireless communication. Wireless Internet use requires a separately purchased service contract. Check with a service provider for availability and coverage in your area. Not all web content available.

### Technical Specifications

<b>System Unit</b>	<b>Dimensions (L x W x H)</b>	4.46 x 2.75 x 0.5 in (113.3 x 69.8 x 12.8 mm)		
	<b>Weight</b>	4.37 oz (124 g)		
	<b>Operating Temperature</b>	32° to 104° F (0° to 40° C)		
	<b>Storage Temperature</b>	-4° to 140° F (-20° to 60° C)		
	<b>Operating Humidity</b>	90% RH		
	<b>Regulatory Marks</b>	Electrical	FCC Class B, UL or CSA NRTL	
	Safety	C-UL, NOM		
<b>TFT Color Display</b>	<b>Number of Colors</b>	65,536 (64K 16-bit)		
	<b>Resolution (W x H)</b>	240 x 320		
	<b>Dot Pitch</b>	0.24 mm		
	<b>Viewable Image (W x H)</b>	2.26 x 3.02 in (57.6 x 76.8 mm), 3.5 in (96 mm)		
	<b>Display Type</b>	64K color (16-bit) transreflective type TFT color with LED		
<b>AC Adapter</b>	<b>Dimensions (H x W x D)</b>	3 x 1.9 x 1.8 in (76 x 48 x 44 mm) (including prongs)		
	<b>Cord Length (approximate)</b>	6 ft (1.83 m)		
	<b>Power Supply Ratings</b>	<b>Voltage Range</b>	100 to 240 V Switching	
		<b>Input Current</b>	0.3 A	
		<b>Input Frequency</b>	50 to 60 Hz	
		<b>Output Voltage</b>	5 VDC	
		<b>Output Current</b>	2 Amp	

### Options

**NOTE:** Optional accessories are available at additional cost.

Memory/Storage	64-MB SD Memory Card	253478-B21	FA134A#AC3
	128-MB SD Memory Card	253479-B21	FA135A#AC3
	256-MB SD Memory Card	287464-B21	FA136A#AC3
	1GB IBM Microdrive	217390-B25	DC379A
Power	900 mAH Lithium Ion Rechargeable Battery	331315-B21	FA114A#AC3
	Auto Adapter	253508-B21	FA125A#AC3
	Charger Adapter	274707-B21	FA133A#AC3
	AC Adapter	253629-001	FA130A#ABA
Synchronization	USB Desktop Cradle/Charger (USB only)	331317-B21	FA112A#AC3
Other	Stylus Three-pack	331311-B21	FA113#AC3
Cases	Nylon Case	339657-B21	FA161A#AC3
	Leather Belt Case	339656-B21	FA160A#AC3
	Custom Cases: to view and order go to: <a href="http://www.ecases.com">http://www.ecases.com</a>		



### HP iPAQ Pocket PC is a Microsoft® Windows® Powered Pocket PC

For more information on HP iPAQ Pocket PC, visit our website at <http://www.hp.com/go/iPAQ>  
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