

The safe, flexible, easy to use and improved mobile in-car navigation system,  
that guides you anywhere in Western Europe.

## GPS 3450 Voice



Improved GPS hardware. The GPS 3450 is packed with new features which make it faster and easier to use. A new military specification crystal means your GPS is at work immediately. You can now connect an optional external antenna for optimum GPS signal. And our new updatable firmware draws 50% less power from the PDA.

Which all adds up to a smoother ride.



---

**Power**

GPS Powered from iPAQ™  
Pocket PC

---

External Power  
12.0 V DC cigarette lighter  
vehicle power cable

---

**External MCX Antenna  
Socket**

Navman external waterproof  
antenna option available



---

**Expandable**

Built-in CompactFlash™ slot  
for Type I and Type II Memory  
card, ideal for maps and  
data storage



# GPS 3450

## technical specifications

---

### System Requirements

Your computer system requirements :  
IBM® Compatible 486 PC or higher, Dual Speed CD-ROM or higher, Microsoft® Windows® 98, ME, 2000 or XP, Microsoft® ActiveSync® 3.5 or higher, internet connection (when installing)

---

### HP iPAQ™ Pocket PC Requirements

HP iPAQ™ H3500, H3700, H3800 or H3900 Series, 5MB RAM for application software, 64MB recommended map storage space on handheld (memory card), Pocket PC 2002

---

### Important note

Vehicles that have heated or heat reflective windshields may require a re-radiating antenna (not included)



---

### Technical Specifications

#### GPS Antenna

Multi-directional – Increased capability to receive GPS signal from any direction

---

#### GPS Receiver Type

12 channel parallel, automatic selection

---

#### Time to First Fix

Hot start	8s typical
Warm start	38s typical
Cold start	45s typical

---

#### Accuracy of Position Fix

The accuracy of the GPS position is typically better than 5m (16ft) for 95% of the time under optimum conditions

---

#### Interface

iPAQ™ Pocket PC  
Option Pack Interface

---

#### Update Rate

Typically every 2 seconds  
once fix established

---

#### Output Message

NMEA 0183 Ver: 2.20,  
GPGGA, GPRMC, GPRMC  
and GPGSV

The difference is

# optimized

GPS performance

# more maps

whilst travelling

GPS 3450  
Voice

ST Professional

NAVMAN

Drive safely. The Navman GPS 3450 gives you precise, vocal, turn by turn instructions throughout your journey. It indicates which lane to get into when approaching difficult intersections, such as motorway entrances and large roundabouts.

No small maps to read. No hard signs to find. Just listen and enjoy the ride. Any time, any place, day or night.

**Mobile**  
Works in or out of the car.

**Design**  
To fit all HP iPAQ™ Pocket PC's (H3500, H3700, H3800 and H3900 series).

**Voice**  
Male and female, turn-by-turn voice instructions.

**Languages**  
English, French, German, Dutch, Spanish, Italian

**Safe**  
Finger controlled touch screen menu system for easy mobile use, with additional controls via the Pocket PC hardware keys

**Style**  
Day and night screen display with multiple map style options.



---

**Display**

Variable map and navigation screens allowing you to choose your preferred navigation screen. Map Display only, Map and Navigation Instructions or Key Instructions display screen only.

---

**Navigate and Arrive**

By an address to a door, a street name, an intersection or to a point of interest selected from the integrated map data base included.

---

**Routing**

Automatic calculation of any route bring you Back-On-Track™ fast if you take the wrong turn.

---

---

**Visual Guidance**

Automatic zooming when driving with overlay arrows showing the exact turn to take when you approach a junction or a roundabout.

---

**Menu**

Edit Destination menu to navigate to your Home, Office, Hotel, Restaurant etc... with out having to enter the same details over and over again.

---

**Maps**

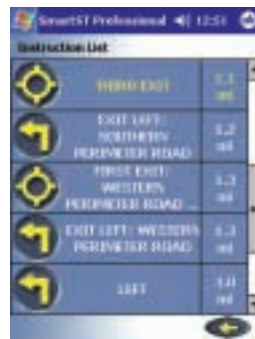
Full colour maps display showing parks, lakes and rivers over view or at street level detail.

---

Improved Smart ST™ software that helps you arrive on time.

For those hard to find locations, the Navman GPS 3450 is also an indispensable business tool. Sales people on the road, delivery staff, service engineers, any business that regularly needs to send staff to unfamiliar locations, will benefit hugely from the help of a GPS 3450. Because it is a mobile system, you can easily use it in different vehicles. Which makes it a cost effective solution for any business.

And with its new improved software features, such as smoother voice instructions, quicker and more accurate routing, faster and easier desktop map installer, the GPS 3450 is an immensely useful tool that anyone can use.



Map and Navigation screen

Clear Navigation

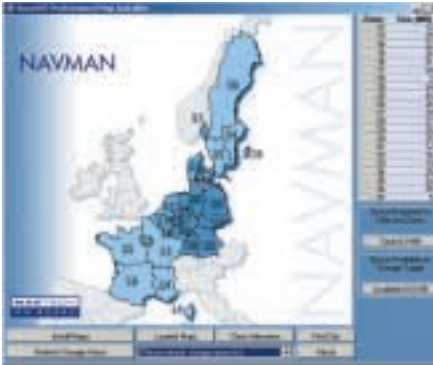
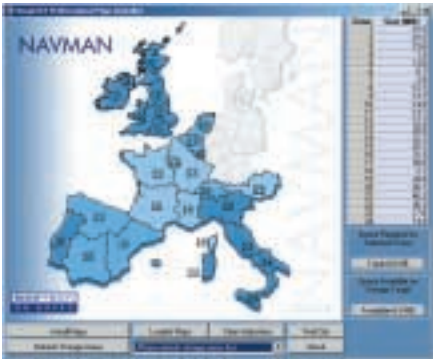
Navigation screen

Instruction list



Enjoy Europe. The Navman GPS 4400 comes complete with road and street level maps of no less than sixteen major Western European countries. Its unique new Map Management feature allows you to load only those maps which are relevant to your current journey, freeing your Pocket PC's memory for other use and providing faster searching and routing.

Combine this with its unique door to door routing, its automatic map-stitching and Back-on-Track™ features, and you have the means to easily and efficiently find your way in the most remote part of any European country.



Map selection PC Graphical User Interface

<b>Countries Covered</b> Pan European: United Kingdom Ireland France Germany Italy Belgium Netherlands Luxembourg Austria Switzerland Portugal Spain Norway Denmark Sweden	<b>Complete Navigation System</b> GPS Receiver  SmartST™Professional Pan European navigation software  Vehicle windshield mounting bracket  Vehicle power cable  Quickstart guide  CD-ROM includes: User manual SmartST™Professional Adobe Acrobat Reader
--	---

(North America optional)



Committed to GPS. Navman is one of the largest manufacturers of GPS systems in the world, providing the highest quality solutions to businesses and consumers alike.

Because we manufacture our own products and design our own software, our navigation systems are reliable, well integrated and offer the very latest advances in cutting edge GPS technology.

---

#### Europe

Navman Europe Ltd  
The Office Building  
Gatwick Road  
Manor Royal  
Crawley  
West Sussex  
RH10 9RZ  
United Kingdom

[www.navman-europe.com](http://www.navman-europe.com)  
[support@navman-europe.com](mailto:support@navman-europe.com)

---

#### Americas

Navman USA, Inc  
18 Pine Street Ext  
Nashua  
New Hampshire  
03060  
United States

[www.navmanusa.com](http://www.navmanusa.com)  
[support@navmanusa.com](mailto:support@navmanusa.com)

---

#### Australasia

Navman Australia Pty. Ltd.  
Unit 6, 5-13 Parsons St.,  
Rozelle,  
Sydney  
NSW 2039

T +61 2 9818 8382  
F +61 2 9818 8386

---

#### Headquarters

Navman NZ Ltd  
13 -17 Kawana Street  
Northcote, North Shore City  
Auckland  
New Zealand

[www.navman.com](http://www.navman.com)  
[support@navman.com](mailto:support@navman.com)

---

NAVMAN is a registered trademark of Navman NZ Limited. All rights reserved.

©1993–2003 Navigation Technologies B.V. All rights reserved.

Windows® is a registered trademark of Microsoft Corporation.

All other trademarks and registrations are the property of their respective owners.

---

Copyright© Navman NZ Limited  
NAVMAN is a registered trademark of Navman NZ Limited.

SmartST™ is a trademark of Navman NZ Limited.

All rights reserved.

[www.navman-europe.com](http://www.navman-europe.com)