



GPS 4460

Wireless Navigation for Palm™OS 5 handhelds



NAVMAN





Navman : a leader in GPS navigation technology. And more.

Established in New Zealand in 1988, Navman researches, designs and builds critical navigation technology, including GPS navigation devices, commercial fleet tracking systems and marine electronics instruments.

Employing over 500 staff and using its own manufacturing facilities, Navman products are researched and developed in-house, resulting in high quality systems that are easy to use.

With offices all over the world, Navman is a global GPS company. In Europe, teams of dedicated individuals provide localised high quality sales and technical support to its ever growing user base.

Navman is now part of the Brunswick Corporation, one of the world's longest established global companies, and will continue to grow and provide world leading critical navigation systems.



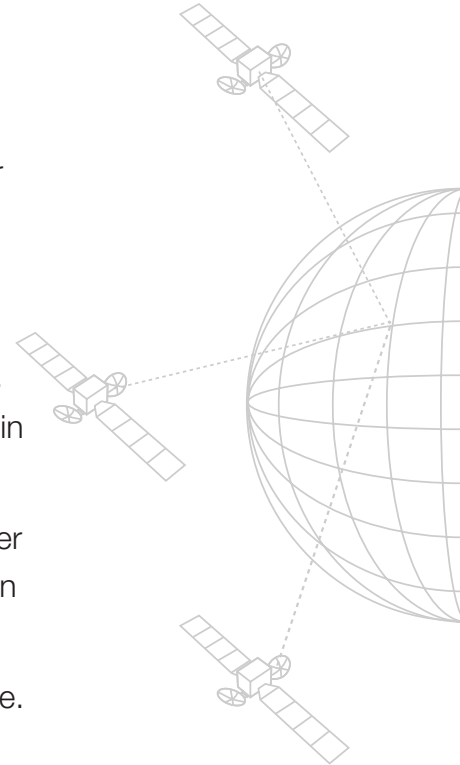
GPS technology explained.

The Global Positioning System (GPS) is a satellite-based navigation system made up of a network of satellites placed into orbit. GPS works in any weather conditions, anywhere in the world, 24 hours a day. There are no subscription fees or setup charges to use GPS.

GPS satellites circle the earth in a very precise orbit and transmit signal information to earth. GPS receivers take this information to calculate the user's exact location. This location is then passed on to the software, which displays in real time the maps relevant to your current position.

Once the user's position has been determined, the GPS unit can calculate other information, such as speed, bearing, track, trip distance, distance to destination and more.

Today's GPS receivers with parallel multi-channel design are extremely accurate. A GPS with a 12 parallel channel receiver is quick to lock onto satellites when first turned on and maintains a strong signal whilst driving.





GPS 4460

Wireless Navigation for Palm™ OS 5 handhelds

Get the most out of your handheld with a GPS 4460 from Navman. It provides the ultimate, cable free, in-car navigation experience for Bluetooth™ enabled Palm™ OS 5 users, including PalmOne™ T2 & T3 and latest Sony Cliés¹.

Simply install your maps on to your memory card², secure the receiver in your vehicle, enter your destination and drive.

With up to 30 hours battery life, the GPS 4460 is a discreet, wireless, state of the art navigation tool. Its unique SmartST™ Version 1.3 Software will provide turn-by-turn voice instructions, guiding you Back-on-Track™ should you leave the suggested route. Along the way, points-of-interest such as petrol stations, restaurants, hotels and airports will appear on-screen, at a scale that varies with your travelling speed.

Displaying 3D views of street level maps of just about anywhere in the 16 European countries included, the GPS 4460 offers a wireless, cost effective, automotive class navigation system for Bluetooth™-enabled Palm™OS 5 handheld users.



key features & benefits

Wireless

Bluetooth™ support means cable-free dashboards.

Voice Guidance

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

Navigate and Arrive

To a house number, a street name, an intersection or to a point-of-interest selected from the map database included.

Routing

Automatic calculation of any route to 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.

Favourites

Use favourites to navigate to your Home, Office, Hotel, Restaurant etc... without having to enter the same details over and over again.

Display

Variable map and navigation screens allowing you to choose your preferred navigation screen. Night and day map display.

3D Maps

Vivid colour 3D maps display showing street level road details, parks, lakes and rivers.

Landscape display on certain Palm™ OS devices



3D View



Enter destination



GPS status



Points-of-interest

GPS 4460

Technical Specifications



Countries covered

United Kingdom
Ireland (major cities)
France
Germany
Italy
Belgium
Netherlands
Luxembourg
Austria
Switzerland
Portugal
Spain
Norway
Denmark
Sweden
Finland (south)
Optional :
USA, Canada, Australia

Power

Three AAA Batteries (included). Up to 30 hours of continuous operation.

External Power

12.0 V DC cigarette lighter vehicle power cable.

Languages supported

Voice and screen instructions are available as standard in the following languages :
English, French, German, Italian, Spanish, Dutch, Swedish, Danish



GPS Antenna

Multi-directional – Increased capability to receive GPS signal from any direction
External antenna connection via MCX connector (external antenna not included)

GPS Receiver Type

12 channel parallel, automatic selection.

Update Rate

Typically every second once fix established.

Accuracy of Position Fix

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

Time to First Fix

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

Interface

Bluetooth™ SPP
(Serial Port Profile) V 1.1

Output Message

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



Compatibility

SmartST™ version 1.3 works on most Bluetooth enabled Palm™OS 5 handhelds, including the latest models from PalmOne and Sony Clie.

Additional Hardware, Software, Map Data and Accessories



SmartST and Map data

For Palm™ OS 5.

Should you already own a GPS receiver, this pack contains our navigation software, SmartST™ Version 1.3, which will add the software features of the GPS 4460 to your existing receiver.

It comes in three flavours, each with regional map data, and is necessary should you need to use your navigation system in regions not covered by the maps included with your GPS.

Versions available are :

USA
Australasia
Western Europe (included as standard in the GPS 4460)



External antenna

For vehicles that have heated or heat reflective windshields. This external antenna is supplied with a 5m cable and connects to your GPS receiver via its MCX connector.



GPS 4100

Wireless Bluetooth™ GPS Receiver for handhelds with Embedded Bluetooth™ technology (does not include navigation software or maps).

Computer System Requirements

IBM® Compatible Pentium PC or higher, Dual Speed CD-ROM or higher, Microsoft® Windows® 98SE, ME, 2000 or XP, internet connection (when installing), Internet Explorer 5.5 or higher.

Palm OS5 PDA Requirements

5.5 MB of storage RAM for SmartST™ Professional V1.30, 128MB + recommended for map storage on memory card, Palm OS5, Bluetooth™ Ver 1.1 SPP (Serial Port Profile) Interface.

Important note

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

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Other great Navman GPS products



iCN 630

Transferable In-Car satellite navigation system with SmartST™ voice navigation, 3D, mapping & route guidance software.



iCN 620

Transferable In-Car satellite navigation system with SmartST™ voice navigation, mapping & route guidance software.



GPS 4410 for Pocket PC

Wireless Bluetooth™ GPS Receiver & Smart ST™ Professional V2.0 Navigation Software for Pocket PC's.

Your Navman stockist

