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Trimble Recon GPS XB edition Customer FAQs

What is the Trimble Recon GPS XB edition?

The Trimble® Recon® GPS XB edition brings together the Trimble Recon field computer with the high productivity Trimble GPS Pathfinder® XB receiver, for a solution that can be mounted in a way that best suits how you work. The Trimble Recon GPS XB edition provides 2 to 5 meter (HRMS) accuracy, real-time or postprocessed.

The Trimble Recon GPS XB edition comes with the Windows Mobile® version 6 operating system, for increased security and safety of data. It is compatible with Trimble software solutions for GIS data collection and maintenance, and runs on a Trimble Recon handheld with built-in Bluetooth® wireless technology.

What are the key features of the Trimble Recon GPS XB edition?

The Trimble Recon GPS XB edition provides 2 to 5 meter (HRMS) accuracy, real-time or postprocessed, in a convenient cable-free solution, and offers the following features and benefits:

- Improved productivity in harsh environments. The receiver is designed to track all available GPS satellites allowing you to work in more environments and get the best results without the need to adjust the GPS mask settings.
- Postprocessed or real-time differential correction with Integrated SBAS (Satellite Based Augmentation Systems) receiver providing 2 to 5 meter (HRMS) accuracy.
- With the Windows Mobile version 6 operating system, the Trimble Recon GPS XB edition provides a familiar, easy-to-use interface and your field crews can be quickly trained to be more productive. And the persistent storage in Windows Mobile 6 ensures that your data is protected, even in the event of power loss.
- As part of Trimble's family of solutions for GIS, the Trimble Recon GPS XB edition is compatible with Trimble software solutions—designed for a seamless workflow between field and office.

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- The Trimble Recon GPS XB edition system has built-in Bluetooth wireless technology, and built-in wireless LAN. The CompactFlash slots are available to add additional memory or peripherals. The Trimble Recon GPS XB edition is ready for whatever challenges you throw at it.

How do I use the GPS receiver to ensure best performance?

The GPS receiver is designed to be used with the antenna (under the Trimble logo) horizontal and with a clear view of the sky. A mounting bracket with 5/8 inch screw thread for use on a range pole or backpack is available as an optional accessory. Alternatively the receiver can be attached to a baseball cap.

Although the receiver will track satellites if used in a non-horizontal position such as your shirt or trouser pocket, we recommend you mount the receiver horizontally while recording GPS positions for best performance.

The handheld should be kept at least 30 cm away from the receiver, to ensure the best possible signal is received.

What GPS protocols are supported by the Trimble Recon GPS XB edition?

The Trimble Recon GPS XB edition can output the NMEA and SiRF binary protocols. The receiver outputs NMEA data by default. If you connect to the receiver using Trimble GPS field software, NMEA output is switched off. The GPS Controller software can be used if you need to re-enable NMEA output.

Can I use an external antenna with my Trimble Recon GPS XB edition?

The Trimble Recon GPS XB edition is designed to achieve 2 to 5 meter (HRMS) accuracy with the integrated antenna. It is possible to connect an external antenna that has a MCX connector, but this is not necessary as the receiver is optimized for best performance with the internal antenna, and it is compact and lightweight so can be mounted in a way to have the best view of the sky.

What real-time options are available for the Trimble Recon GPS XB edition?

The Trimble Recon GPS XB edition has an Integrated SBAS (Satellite Based Augmentation Systems) receiver for use within the WAAS (Wide Area Augmentation System) and EGNOS (European Geostationary Navigation Overlay Service) networks at no extra cost.

Can I use postprocessed differential correction with the Trimble Recon GPS XB edition?

Data for postprocessing can be collected with TerraSync™ software version 2.60 or later, Trimble GPScorrect™ extension for ESRI ArcPad software version 2.10 or later, Trimble GPS Analyst™ extension for ESRI ArcGIS version 2.00 or later, or an application developed with GPS Pathfinder Tools Software Development Kit (SDK) version 2.10 or later. Data collected in GPS field software using the NMEA protocol cannot be postprocessed.

For standard differential postprocessing, GPS Pathfinder Office software version 3.10 or later, or GPS Analyst extension version 2.00 or later, with the latest updates applied is required.

Data collected with real-time (SBAS) corrections in the field can be postprocessed in the office if required.

The Trimble Recon GPS XB edition does not output carrier data, so it is not possible to use carrier postprocessing techniques.

What software is required to support the Trimble Recon GPS XB edition?

The Trimble Recon GPS XB edition is supported by the following field software applications:

- TerraSync software version 2.60 or later
- Trimble GPScorrect extension for ESRI ArcPad software version 2.10 or later
- Trimble GPS Analyst extension for ESRI ArcGIS software version 2.00 or later
- Trimble GPS Controller software version 2.10 or later
- Applications developed with GPS Pathfinder Tools (SDK) version 2.10 or later
- Third-party field software that supports NMEA input

For standard differential postprocessing, GPS Pathfinder Office software version 3.10 or later, or GPS Analyst extension version 2.00 or later is required, with the latest updates applied.

How is the Trimble Recon GPS XB edition powered?

The handheld is powered by an integrated Nickel Metal Hydride battery-pack, which can provide 8 hours of battery life in normal use. The battery is internally rechargeable and can be removed and replaced by the user. It takes 12 hours to fully recharge the battery.

The receiver comes standard with an integrated lithium-ion battery that provides 10 hours of battery life in normal use. The battery is internally rechargeable and can be removed and replaced. The battery is charged in the unit using the international power supply that comes with the system. It takes 2 ½ hours to fully recharge the battery.

What connectivity options are available in the Trimble Recon GPS XB edition?

The Trimble Recon handheld has a number of cabled and cable-free connectivity options available as standard.

- Bluetooth—The Trimble Recon handheld has a built-in Bluetooth radio for connection to Bluetooth capable devices. These include cell phones for connection to the Internet, PCs and other handhelds for transfer of information. The built-in Bluetooth radio has a typical range of 10 meters, and allows up to two simultaneous Bluetooth serial port connections. The GPS Pathfinder XB receiver uses one of these ports, which leaves one port available while the handheld is connected to the receiver.
- Wireless LAN—The Trimble Recon handheld has built-in wireless LAN (802.11 g) capabilities for connection to a local network or wireless network “hotspot.”
- Serial port—The Trimble Recon handheld has a standard DE9 serial connector for cabled connection to external devices or sensors.
- USB port—The Trimble Recon handheld has a USB slave port for connection to the office computer.

- CompactFlash—The Trimble Recon handheld has two built in CompactFlash slots: one Type I slot and one Type I/II slot.

What is standard out of the box?

The Trimble Recon GPS XB edition ships standard with:

- Trimble Recon handheld
- Trimble GPS Pathfinder XB receiver
- Power supplies for charging the handheld and receiver
- GPS Pathfinder XB receiver vehicle power adapter
- Getting Started Disc and Getting Started Guide
- Assembly guide

What optional accessories are available for the Trimble Recon GPS XB edition?

The following optional accessories are available for the Trimble Recon GPS XB edition:

- Trimble Recon 12 V vehicle charging cable
- Trimble Recon AA PowerBoot Module™ battery pack
- Mounting bracket with 5/8 inch screw thread for using receiver on a range pole or backpack
- Backpack
- One foot range pole—for backpack mounting

Where can I get more information?

For further information, visit www.trimble.com or contact your local Trimble Reseller.

Trimble Recon GPS XB edition is not available for sale in the EU.