The GPS Pathfinder® ProXH™ receiver introduces a new era in GPS for GIS data collection. A GPS receiver, antenna, and all-day battery in one, the ProXH receiver delivers subfoot (<30 cm) accuracy with Trimble’s revolutionary H-Star™ technology. Don’t be fooled by its rugged good looks—the ProXH receiver is quite simply the most sophisticated high performance GPS receiver on the market.

**H-Star technology for high accuracy**

Bringing together advanced GPS receiver design and a powerful new postprocessing engine, H-Star technology is in a class of its own. There’s no need to initialize—in the time taken to record your attribute information, the ProXH receiver logs the data you need to achieve subfoot accuracy. And you can collect data with confidence that you will achieve subfoot accuracy with greater consistency at longer baselines, in tougher environments, and with shorter occupations. Trimble field software displays the accuracy you can expect after postprocessing, while you’re in the field.

Back in the office, the GPS Pathfinder Office software, or the Trimble® GPS Analyst™ extension for ESRI ArcGIS Desktop software, guides you through the H-Star correction process and shows you the accuracy you’ve achieved.

Need to get the very best accuracy? Add a Tornado™ antenna to your ProXH receiver to get decimeter (10 cm / 4 inch) postprocessed accuracy. With H-Star technology the ProXH is more than just a GPS receiver, it’s a total system for high accuracy GIS data collection.

**Cable-free convenience**

The all-in-one design of the ProXH receiver means it’s simple to set up and easy to use. Forget lost or tangled cables: with a Bluetooth® wireless connection you’re cable free between the ProXH receiver and your field computer. Nothing to snag or break as you move through difficult terrain.

The flexible mounting system makes it quick and easy to fit the ProXH receiver for the job at hand. It all adds up to a powerful GPS system that maximizes your productivity and makes your fieldwork surprisingly simple.

**All day every day**

The receiver has an integrated battery, good for a full day’s work; simply charge the battery overnight and you’re ready to go again. The ProXH receiver will last the distance, and its rugged design can take a lot of punishment. Rain, hail or shine, it’s built to keep working, whatever the environment throws at you.

**Options to suit your workflow**

You can choose a field computer and software to suit your workflow. The ProXH receiver is ready to use with a variety of field computers, including laptops, Tablet PCs and PDAs, and of course Trimble’s own rugged field computers: the Trimble Recon™ handheld and Trimble Ranger™ handheld.

Choosing software? Trimble’s TerraSync™ software or the GPsCorrect™ extension for ESRI ArcPad software provides a complete solution from field to office and back. Choose any off-the-shelf GPS field software, or use the GPS Pathfinder Tools Software Development Kit (SDK) to build an application that’s customized to your needs.

**Productivity and precision**

When accuracy is critical for your GIS, the ProXH receiver delivers reliable subfoot performance. Field workers will love the convenience of its compact, cable-free design—and the ability to collect high accuracy data quickly and efficiently. With the GPS Pathfinder ProXH receiver, you don’t have to choose between productivity and precision—you can have it all!
**STANDARD FEATURES**

**GPS**
- Integrated GPS/SAAS receiver and antenna
- H-Star technology for subfoot (<30 cm) postprocessed accuracy
- Decimeter (10 cm / 4 inch) postprocessed accuracy with the optional external Tornado antenna
- Submeter accuracy in real time
- EVEREST™ multipath rejection technology
- RTCM input
- NMEA and TSIP protocol support

**System**
- Integrated GPS receiver, antenna and battery
- Integrated Bluetooth wireless technology
- User replaceable all-day battery
- Wearable GPS receiver with ergonomic belt clip
- Rugged weatherproof housing

**Software**
- GPS Controller software for mission planning and GPS configuration
- Bluetooth deactivation utility

**Accessories**
- Power supply with international adapter kit
- Ergonomic belt clip
- Screwthread adaptor for range pole, backpack, or vehicle mounting
- Null modem cable
- User Guide

**OPTIONAL FEATURES**

**Software**
- TerraSync software
- Trimble GPScorrect extension for ESRI ArcPad software
- Custom applications built with the GPS Pathfinder Tools Software Development Kit (SDK)
- GPS Pathfinder Office software
- Trimble GPS Analyst extension for ESRI ArcGIS Desktop software

**Field computers**
- Field computer powered by the Windows Mobile® version 6 operating system, Windows Mobile version 5.0 software, or Windows Mobile 2003 software for Pocket PCs, such as:
  - Trimble Ranger handheld
  - Trimble Recon handheld
- Field computer running Windows® desktop operating system

**Accessories**
- Tornado antenna
- 1 foot pole (for backpack mounting)
- 2 meter range pole
- Hard carry case
- Serial port splitter cable
- GeoBeacon™ receiver
- Backpack
- Range pole bracket
- Magnetic vehicle mount

**TECHNICAL SPECIFICATIONS**

**Physical**
- Integrated GPS receiver, antenna, and battery
- Size: 10.6 cm x 4.0 cm x 14.6 cm (4.2 in x 1.6 in x 5.75 in)
- Weight: 0.53 kg (1.16 lb)
- Power
  - Low (GPS only): 0.8 Watts
  - Normal (GPS and Bluetooth): 1.0 Watt
  - High (optional Tornado antenna, GPS, and Bluetooth): 1.6 Watts
- Battery: User replaceable lithium-ion, chargeable in unit; 13.3 Watt hours

**Environmental**
- Temperature
  - Operating: –20 °C to +60 °C (-4 °F to +140 °F)
  - Storage: –30 °C to +85 °C (-22 °F to +185 °F)
- Humidity
  - 99% non-condensing
- Casing
  - Wind-driven rain and dust-resistant per IP 54 standard
  - Drop: 1.22 m (4 ft), MIL-STD-810F, Method 516.5, Procedure IV
  - Vibration: Vibration resistant, MIL-STD-810F, Method 514.5, Procedure I
  - Shock: Shock resistant, MIL-STD-810F, Method 516.5, Procedure I

**Input/output**
- Serial: Dual port in single DE9
- Power button, 3 status LEDs

**GPS**
- Channels: (L1 code and carrier/2 carrier)
- Integrated real-time
- SBAS
- Update rate: 1 Hz
- Time to first fix: 30 seconds (typical)

**Accuracy (HRMS) after differential correction**

- H-Star postprocessed:
  - With internal antenna: 30 cm
  - With optional Tornado antenna: 10 cm
  - Code postprocessed: 50 cm

- Carrier postprocessed:
  - With 20 minutes tracking satellites: 10 cm
  - With 45 minutes tracking satellites: 1 cm

**Specifications subject to change without notice.**

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