DATASHEET

Trimble GPScorrect extension for ESRI ArcPad software

KEY FEATURES

Log data for postprocessing to improve positon accuracy

H-Star data collection for subfoot accuracy with the GPS Pathfinder ProXH receiver

Seamless GPS integration with ESRI's ArcPad software for quality GIS data collection

Real-time differential correction for accuracy in the field

Mission planning for increased productivity

Your choice of Trimble GPS receiver

POSTPROCESSED DIFFERENTIAL GPS FOR ESRI'S ARCPAD

The Trimble® GPScorrect™ extension for ESRI ArcPad software lets you take full control of your Trimble GPS receiver, and adds the power of differential correction to ArcPad. With the GPScorrect extension and ArcPad software, it's easier than ever before to bring GPS and GIS data together.

Better accuracy in the field and in the GIS

The GPScorrect extension ensures that you have the most reliable and accurate data for your GIS. With postprocessed differential correction, you can improve the accuracy of your GPS positions from 10 meters to submeter or even subfoot (30 cm), depending on the environment and your GPS receiver. And you can still use real-time differential corrections to meet the accuracy requirements of your mobile GIS application.

Seamless workflow

As you collect features using ESRI's ArcPad software, the GPScorrect extension automatically logs GPS positions and metadata that allows your ESRI Shapefiles to be differentially postprocessed. Plus, GPScorrect gives you complete GPS configuration control and detailed receiver status updates, so all the GPS information you need is right there in front of you.

Back in the office, use either the Trimble GPS Analyst™ extension for ESRI ArcGIS software or the GPS Pathfinder® Office software to effortlessly correct your ESRI Shapefiles for extra precision. The resulting differentially corrected Shapefiles are ready to be used in your ESRI GIS application, so you can be sure that your decision-making is based on timely and accurate data.

Quality control made easy

Whether your emphasis is on precision or productivity, use the simple GPS slider or custom settings to set GPS quality control limits to suit your needs. With the graphical Skyplot and the Satellite Info section, you can check your current GPS status at a glance. To make the most productive use of your time in the field, use the Plan section, with its graphical prediction of the satellite constellation, to identify the best times for data collection.

High-performance Trimble GPS receivers

Collect high quality position data with a versatile, easy-to-use Trimble GPS receiver. Each receiver offers a range of differential correction options to give you both real-time confidence and postprocessed reliability. Enjoy the convenience of an integrated field computer and GPS receiver with a GeoExplorer® series handheld. Or, team up a GPS Pathfinder receiver with a field computer running a standard Microsoft® Windows® operating system, including Trimble's rugged Recon™ handheld or GIS TSCe™ field device.

From effortless control and detailed feedback in the field to reliable, accurate, postprocessed GPS location data in your GIS—the GPScorrect extension provides a seamless solution.

Trimble®

Trimble GPScorrect extension for ESRI ArcPad software

FEATURES AND OPTIONS

Key features

- Fully integrated with ESRI ArcPad 6.01 or later
- Choice of Trimble GPS Pathfinder receiver, GeoExplorer series handheld, or Trimble Recon GPS Pocket edition
- Supports a range of field computers with standard Microsoft Windows or Windows CE operating system, or Windows Mobile™ 2003 software for Pocket PCs

GPS integration and control

- Simple GPS and real-time configuration
- Enhanced graphical skyplot and satellite information
- Detailed real-time status information
- Mission planning for satellite prediction in the field

GPS accuracy

- Real-time differential correction (available sources depend on GPS receiver used)
- Improved position accuracy with differential postprocessing of GPS data
- Collect H-Star™ data for subfoot (30 cm) accuracy with the GPS Pathfinder ProXH™ receiver
- Easy differential correction of GPS positions in ESRI ArcPad Shapefiles
- Optional velocity filter for better accuracy in high-multipath locations

Supported GPS receivers

- GeoXT™ handheld
- GeoXM™ handheld
- GPS Pathfinder Pocket receiver
- GPS Pathfinder ProXT™ receiver
- GPS Pathfinder ProXH receiver
- GPS Pathfinder Pro XRS receiver
- Trimble Recon GPS Pocket edition

Supported field computers

- GeoExplorer series handhelds
- GIS TSCe field device
- Trimble Recon handheld
- Any field computer running a supported Microsoft Windows operating system

Available languages

- English
- French
- German
- Japanese
- Spanish
- Chinese (Simplified)

RECOMMENDED HARDWARE

Windows CE or Windows Mobile field computer

Operating system . . . . . Windows Mobile 2003 software for Pocket PCs or Microsoft Windows CE version 4.x (CE .NET)
Processor type . . . . . ARM or XScale
Processor speed . . . . . 200 MHz or faster
Memory. . . . . 32 MB RAM at least 8 MB free memory (for ArcPad and GPScorrect extension installation)
Input/output . . . . . Serial cable and RS-232 serial port (or appropriate adaptor) or Bluetooth® technology for connection to GPS Pathfinder Pro series receiver
Display. . . . . Color or grayscale touch screen (240 × 320 pixels or larger) Reflective screen (or other screen suitable for outdoor viewing)

Windows field computer

Operating system . . . . . Windows 2000 or Windows XP (Home, Professional, or Tablet PC Edition)
Processor type . . . . . Intel Pentium CPU
Processor speed . . . . . 500 MHz or faster
Memory. . . . . 64 MB RAM at least 3 MB free memory
Input/output . . . . . Serial cable and RS-232 serial port (or appropriate adaptor) or Bluetooth technology for connection to GPS Pathfinder Pro series receiver

GPS POSTPROCESSING OPTIONS

To differentially correct GPS data logged by the GPScorrect extension, one of the following is required:

- GPS Pathfinder Office software
- Trimble GPS Analyst extension for ESRI ArcGIS software

Note: Check ArcPad documentation for any additional requirements.

Specifications subject to change without notice.

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