Trimble GPScorrect extension for ESRI ArcPad software

KEY FEATURES

Log data for postprocessing to improve position accuracy

H-Star data collection for high accuracy with the GPS Pathfinder ProXRT and ProXH receivers, or the GeoXH handheld

Seamless GPS integration with ESRI 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 ARCPAD SOFTWARE

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 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 decimeter (10 cm / 4 inch), 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 ArcPad software, the GPScorrect extension automatically logs GPS positions and metadata that allows your ESRI Shapefiles or AXF files to be differentially postprocessed. Plus, the GPScorrect extension 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 Desktop software or the GPS Pathfinder® Office software to effortlessly correct the data you collected in the field for extra precision. The resulting differentially corrected data is 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. For extra precision, collect H-Star™ data with a GPS Pathfinder ProXRT receiver, a GPS Pathfinder ProXH™ receiver, or a GeoXH™ handheld. Completely integrated with existing data collection workflows, H-Star technology makes high accuracy data collection faster and easier than ever before. Alternatively with a GeoXT™ or Juno™ series handheld, or a ProXT™ receiver, you can achieve optimal GPS code processing accuracy with the new Trimble DeltaPhase™ technology.

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.

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FEATURES AND OPTIONS

Key features
- Fully integrated with ESRI ArcPad software version 7.1 and ESRI ArcPad software version 8 or later
- Full support for ESRI ArcPad software version 7.1 and ESRI ArcPad software version 8 or later data collection methods including offsets, traverses, and measurements from laser rangefinders
- Choice of Trimble GPS receiver or handheld with integrated GPS
- Supports a range of field computers with standard Windows operating systems, including those powered by the Windows Mobile® version 6 operating system.

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
- Use differential correction to improve positions in ESRI ArcPad Shapefiles or AXF files (corrected accuracy depends on the GPS receiver used)
- Supports logging of DeltaPhase data for optimal code accuracy after postprocessing

Supported GPS receivers
- GPS Pathfinder ProXRT receiver
- GPS Pathfinder ProXH receiver
- GPS Pathfinder ProXT receiver
- GPS Pathfinder XC receiver

Supported field computers
- Trimble Ranger™ handheld
- Trimble Recon® handheld

Supported field computers with integrated GPS
- GeoXH handheld
- GeoXT handheld
- GeoXM™ handheld
- Juno SB handheld
- Juno SC handheld
- Trimble Nomad® G series handheld
- Trimble Recon GPS XC edition
- Trimble Yuma™ rugged tablet computer

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

RECOMMENDED HARDWARE

Windows Mobile
Operating system . . . . Windows Mobile 2003 software or Windows Mobile version 5.0 software or Windows Mobile version 6

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 or GPS Pathfinder XB 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 XP (Home, Professional, or Tablet PC Edition), Windows Vista® or Windows 7

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:
- Trimble GPS Analyst extension for ESRI ArcGIS Desktop software (version 2.20 or later with all updates applied)
- GPS Pathfinder Office software (version 4.20 or later with all updates applied)

Note: Check ArcPad documentation for any additional requirements.

Specifications subject to change without notice.

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