

GPScorrect for ArcPad

Postprocessed differential GPS for ESRI's ArcPad

Trimble® GPScorrect™ extension for ESRI ArcPad software seamlessly integrates differentially corrected GPS location data into your GIS. With GPScorrect and ArcPad, it's easier than ever before to bring GPS and GIS data together.

Seamless workflow

The GPScorrect extension for ArcPad adds postprocessed differential GPS to the ArcPad workflow. As you collect features using ESRI's ArcPad software, GPScorrect automatically logs GPS positions, plus metadata that allows your ESRI Shapefiles to be differentially postprocessed.

Of course, you can still use real-time differential corrections to meet the accuracy requirements of your mobile GIS application. Plus GPScorrect gives you complete GPS configuration control, and detailed receiver status updates, so all the GPS information you need is at your fingertips.

Back in the office, use either 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 data is then 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 convenience 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—GPScorrect provides a seamless solution.



Key Features

- Differential GPS postprocessing
- Seamless GPS integration with ESRI's ArcPad for quality GIS data collection
- Real-time differential correction for accuracy in the field
- Mission planning
- Your choice of Trimble GPS receiver



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Features and options

- Fully integrated with ESRI ArcPad 6.0 or later
- Choice of any Trimble GPS Pathfinder receiver or GeoExplorer series handheld
- Supports a range of field computers with standard Microsoft Windows operating systems

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 by differential postprocessing of GPS data
- Easy differential correction of GPS positions in ESRI ArcPad Shapefiles
- SuperCorrect logging option for:
 - improved accuracy
 - postprocessing of all data, including data corrected in real-time, and data collected when satellites visible in the field and at the base are different
 - postprocessing with different GPS quality control settings from those used in the field
- Optional velocity filter for better accuracy in high-multipath locations

GPS receivers and accuracy specifications

Receiver	Real-time differential	Postprocessed differential
GPS Pathfinder Power	submeter	submeter + 1 ppm
GPS Pathfinder Pro XR	submeter	50 cm + 1 ppm
GPS Pathfinder Pro XRS	submeter	50 cm + 1 ppm
GPS Pathfinder Pocket	2-5 m	2-5 m
GeoXT™ handheld	submeter	submeter
GeoXM™ handheld	2-5 m	2-5 m

GPS postprocessing options

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

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

Recommended hardware

Windows CE or Windows Mobile device

Operating system Windows CE version 2.11, 2.12, 3.0, or 4.x (CE .NET)
Processor type. MIPS, SH3, ARM, or XScale processor
Processor speed 70 MHz
Memory 16 MB RAM
at least 8 MB free memory (for ArcPad and GPScorrect installation)
Input/output Serial cable and RS-232 serial port (or appropriate adapter)
Display Color or grayscale touch screen (240 × 320 pixels or larger)
Reflective screen (or other screen suitable for outdoor viewing)

Windows field device

Operating system Windows 95, 98, Me, NT 4.0, 2000, or XP
Processor type. Intel Pentium CPU
Processor speed 70 MHz
RAM 32 MB
Free disk space. 3 MB
Input/output Serial cable and RS-232 serial port (or appropriate adapter)

Tested devices

Tested devices are listed at www.trimble.com/gpscurrect.html

Note: Check ArcPad documentation for any additional requirements.

Specifications subject to change without notice.

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