DATASHEET

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 GNSS 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 GNSS receiver

POSTPROCESSED DIFFERENTIAL GNSS FOR ESRI ARCPAD SOFTWARE

The Trimble® GPScorrect™ extension for Esri ArcPad software lets you take full control of your Trimble GNSS receiver, and adds the power of differential correction to Esri ArcPad. With the GPScorrect extension and Esri ArcPad software, it's easier than ever to bring GNSS 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 GNSS positions from 10 meters to submeter or even decimeter (10 cm / 4 inch), depending on the environment and your GNSS 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 GNSS positions and metadata that allows your Esri Shapefiles or AXF files to be differentially postprocessed. Plus, the GPScorrect extension gives you complete GNSS configuration control and detailed receiver status updates, so all the GNSS 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 either Smart Settings, the simple GPS slider, or custom settings to set GNSS quality control limits to suit your needs. With the graphical Skyplot and the Satellite Info section, you can check your current GNSS 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 GNSS receivers

Collect high quality position data with a versatile, easy-to-use Trimble GNSS 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™, Juno®, or Nomad® 900G series handheld, or a ProXT™ receiver, you can achieve optimal GNSS code processing accuracy with the Trimble DeltaPhase™ technology.

From effortless control and detailed feedback in the field, to reliable, accurate, postprocessed GNSS 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 software version 10.
- Full support for Esri ArcPad software version 10 data collection methods including offsets, traverses, and measurements from laser rangefinders.
- Choice of Trimble GNSS receiver or handheld with integrated GNSS.
- Supports a range of field computers with standard Windows® operating systems, including those powered by the Windows Mobile® version 6 operating system.

GNSS integration and control

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

GNSS accuracy

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

Supported GNSS receivers

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

Supported handheld computers

- Trimble Ranger™ handheld
- Trimble Recon® handheld

Supported handheld computers with integrated GNSS

- GeoXH handheld
- GeoXT handheld
- GeoXM™ handheld
- Juno series handheld
- Trimble Nomad G series handheld
- Trimble Yuma® rugged tablet computer

Available languages

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

RECOMMENDED HARDWARE

Windows Mobile

Operating system . . . . . Windows Mobile version 5.0 or 6.x
Processor type . . . . . ARM, XScale, or OMAP
Processor speed . . . . . 200 MHz or faster
Memory. . . . . 32 MB RAM at least 8 MB free memory (for Esri 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) Transflective screen (or other screen suitable for outdoor viewing)

Windows field computer

Operating system:
Windows 7 . . . . . Ultimate Edition, Professional Edition, or Home Premium Edition SP 1
Windows Vista® . . . . . Ultimate Edition, Enterprise Edition, Business Edition, or Home Premium Edition SP 2
Windows XP . . . . . Professional Edition or Tablet PC Edition SP 3
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 9.2, 9.3, or 9.3.1 Desktop software (version 2.20 with all updates applied)
- Trimble GPS Analyst extension for Esri ArcGIS 10 Desktop software (version 2.30 or later with all updates applied)
- GPS Pathfinder Office software (version 5.10 or later with all updates applied)

Note: Check Esri ArcPad documentation for any additional requirements.

Specifications subject to change without notice.

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