Trimble GPS Pathfinder

OFFICE SOFTWARE

POWERFUL AND EASY TO USE GNSS DATA PROCESSING SOFTWARE

Trimble® GPS Pathfinder® Office software is a powerful and easy-to-use software package of GNSS postprocessing tools, designed to develop GIS information that is consistent, reliable, and accurate from GNSS data collected in the field.

Improve the accuracy of GNSS data

Postprocessing with Trimble GPS Pathfinder Office software significantly improves the accuracy of data collected in the field all the way down to centimeter (1 cm / 0.4 in) level. Trimble GPS Pathfinder Office software supports the complete Trimble Mapping and GIS GNSS portfolio, as well as associated positioning technologies, such as Trimble H-Star™.

Increase field work efficiency and productivity

Data can be imported to GPS Pathfinder Office software from a number of GIS and database formats, allowing previously collected GIS field data to be verified and updated. The software's Data Dictionary Editor creates custom lists of features and attributes for field data collection and supports the development of conditional attribute data capture forms in Trimble TerraSync™ software that dynamically adapt to previously entered attribute values for maximum data collection efficiency.

By creating a data dictionary or importing one from a GIS based on its exact data schema, GIS administrators can be confident that data collected in the field will integrate seamlessly with the GIS repository and that data returned will be accurate and consistent. In the field, the data capture form prompts you to enter specific information, ensuring data integrity and compatibility with the GIS.

The Trimble TerraSync Studio utility within GPS Pathfinder Office software is customize TerraSync user interfaces. To improve your field experience, the Trimble TerraSync user interface can be simplified with this utility, removing functionality to ensure maximum field productivity and eliminate potential configuration errors.

Waypoint files can also be created in the software to assist with navigation and efficient asset relocation.

Ensure consistently high quality data

Trimble GPS Pathfinder Office software includes quality control features critical for enterprise GIS data development. For example, collected features can be compared against any number of background datasets such as vector GIS data, aerial photographs or satellite imagery in order to verify accuracy and detect conflicts. Background data can be imported to GPS Pathfinder Office software from GIS systems, directly from imagery files, or referenced directly from a web map server.

In addition, before transferring collected features to a GIS, CAD, or database system, they can be analyzed to confirm they are complete and accurate. Positions and attributes can be changed and unnecessary or unwanted GNSS positions can be deleted to ensure that only the highest quality data is exported to the GIS.

Trimble GPS Pathfinder Office software makes it easy to manage, correct, and update GIS data from GNSS data collected in the field.

Key Features

▶ Differential corrections to improve the quality of GNSS data collected in the field

▶ Quality control of GNSS data before exporting to GIS

▶ Data import and export in a variety of GIS and CAD formats

▶ Sophisticated data dictionary editor to ensure consistency between the field and the office

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FEATURES AND OPTIONS

GNSS accuracy
- Improve GNSS position accuracy through differential postprocessing, including GLONASS postprocessing
- Postprocess real-time differential GNSS data to improve accuracy and consistency
- Review and edit GNSS data before transferring it to a GIS

GIS compatibility
- Import data from popular GIS, CAD, and database formats
- Export data into a variety of GIS, CAD, and database formats
- Create data dictionaries to ensure data collected is consistent with GIS schemas
- Additional import and export formats supported via Trimble SSF and DDF data format extensions for FME

Field-Office workflow optimization
- Manage data dictionaries and background data for entire fleets of devices
- Automate data transfer from field devices, differential correction, and data export to GIS
- Configure and simplify the TerraSync software interface to increase field worker productivity

Available languages
- Chinese (Simplified)
- English
- French
- Spanish
- German
- Italian
- Japanese
- Korean
- Portuguese
- Russian

Field software options
- Trimble TerraSync software
- Trimble Positions™ ArcPad extension
- Trimble GPScorrect™ extension for Esri ArcPad software

RECOMMENDED PLATFORM

Supported operating systems:
- Windows® 8, 10
- Windows 7 Ultimate, Enterprise, Professional, Home Premium (32-bit and 64-bit [EM64T]) SP1

GNSS RECEIVERS AND ACCURACY SPECIFICATIONS

Typical autonomous accuracy for all Trimble Mapping & GIS GNSS receivers is approximately 5 meters. Differentially corrected accuracy specifications for supported receivers range from 1 cm to 2 m–5 m.

Refer to the Mapping & GIS product comparison (www.trimble.com/mappingGIS/product-comparison) or to the relevant datasheet for full details.

SUPPORTED FORMATS

Import formats
- AutoCAD 2000 ASCII DXF
- dBASE
- Esri Shapefiles
- Esri File Geodatabase
- MapInfo MIF
- Microsoft Access MDB
- KML
- Additional formats supported via Trimble SSF and DDF data format extensions for FME

Export formats
- ARC/INFO (for NT and UNIX) Generate
- AutoCAD 2000 ASCII DXF (with or without blocks)
- dBASE
- Esri Shapefiles
- Esri File Geodatabase
- GRASS
- IDRISI Vector
- Google Earth KML and KMZ
- MapInfo MIF
- MGAL
- Microsoft Access MDB
- Microstation version 7 DGN
- PC-ARC/INFO Generate
- PC-MOSS
- Additional formats supported via Trimble SSF and DDF data format extensions for FME

Vector background formats
- AutoCAD 2000 ASCII and binary DXF (.dxf)
- Esri Shapefiles (.shp)
- Trimble SSF format (.ssf, .cor, .imp, .phs, .wpt)

Raster (image) background formats
- JPEG (.jpg)
- JPEG 2000 (.jp2, .j2c)
- Enhanced Compression Wavelet (.ecw)
- MrSID (.sid)
- TIFF (.tif)
- Windows bitmap (.bmp)

Web map servers
- ArcIMS
- OpenGIS

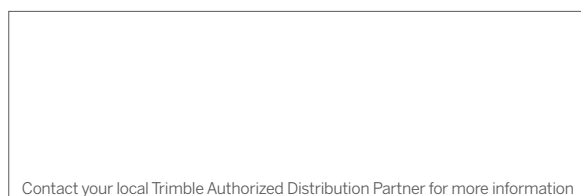## SUPPORTED BASE FILE AND COMPRESSION FORMATS

Base file formats
- Hatanaka (Compressed RINEX)
- RINEX
- Trimble DAT format
- Trimble SSF format

Compression types
- GZip (.gz)
- Self-extracting executable (.exe)
- Zip (.zip)

Specifications subject to change without notice.

TRANSFORMING THE WAY THE WORLD WORKS

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