

RELEASE NOTES

Trimble® GPS Pathfinder® Office Software

These release notes provide important information about the Trimble® GPS Pathfinder® Office software version 5.65. Please read these release notes carefully.

- Introduction
- New features and changes
- Known issues
- Technical assistance and documentation
- Legal notices

Introduction

Welcome to version 5.65 of the Trimble GPS Pathfinder Office software. This release of the GPS Pathfinder Office software contains a number of important additions and changes. Please read these release notes carefully.

When you install the GPS Pathfinder Office software, you will be asked to select the language for the installation. You must choose the language in which you want the GPS Pathfinder Office software to run after installation. If you install GPS Pathfinder Office software in one language and later want to run it in another language, you must uninstall the software, reinstall it and make a new language selection during the installation.

Español

Bienvenidos al software GPS Pathfinder Office 5.65. Esta versión del software GPS Pathfinder Office contiene varias adiciones y modificaciones importantes. Se ruega que lea estas notas de lanzamiento del software con atención. Al instalar el software GPS Pathfinder Office, se le pedirá seleccionar el idioma para la instalación. Deberá elegir el idioma en el que desea ejecutar el software GPS Pathfinder Office tras la instalación. Si instala el software GPS Pathfinder Office en un idioma y luego quiere que se ejecute en otro, deberá desinstalar el software, reinstalarlo y seleccionar un nuevo idioma durante la instalación.

Português

Bem-vindo ao software GPS Pathfinder Office 5.65. Este lançamento do software GPS Pathfinder Office contém uma série de importantes acréscimos e mudanças. Leia estas notas com cuidado. Quando você instalar a software GPS Pathfinder Office, você deverá selecionar o idioma de instalação. Você deve escolher o idioma no qual você

quer que o software GPS Pathfinder Office utilize após a instalação. Se você instalar o software GPS Pathfinder Office em um idioma e depois desejar executá-lo em outro, você deverá desinstalá-lo e reinstalá-lo escolhendo o novo idioma durante a instalação.

Français

Bienvenue dans le logiciel GPS Pathfinder Office 5.65. Cette version du logiciel GPS Pathfinder Office comprend quelques additions et modifications importantes. Veuillez lire ces notes de version attentivement. Lors de l'installation du logiciel GPS Pathfinder Office, on vous demandera de sélectionner la langue d'installation. Il faut choisir la langue dans laquelle vous voulez que le logiciel GPS Pathfinder Office s'exécute après l'installation. Si vous installez le logiciel GPS Pathfinder Office dans une langue et plus tard vous voulez l'exécuter dans une autre langue, il faut désinstaller le logiciel, le réinstaller et sélectionner une nouvelle langue lors de l'installation.

Deutsch

Willkommen zur GPS Pathfinder Office 5.65-Software. Diese Ausgabe der GPS Pathfinder Office-Software enthält eine Anzahl wichtiger Ergänzungen und Änderungen. Bitte lesen Sie diese Ausgabehinweise sorgfältig. Wenn Sie GPS Pathfinder Office installieren, werden Sie gebeten, die Sprache für die Installation zu wählen. Sie müssen die Sprache auswählen, in der GPS Pathfinder Office nach der Installation ausgeführt werden soll. Wenn Sie GPS Pathfinder Office in einer bestimmten Sprache installieren und später in einer anderen Sprache ausführen möchten, müssen Sie die Software deinstallieren, neu installieren und bei der Installation eine neue Sprachauswahl vornehmen.

Русская версия

Добро пожаловать в наш программный продукт GPS Pathfinder Office 5.65. Эта реализация продукта GPS Pathfinder Office содержит несколько важных дополнений и изменений. Просим вас внимательно прочесть эти замечания. При установке продукта GPS Pathfinder Office к Вам будет обращена просьба выбрать язык для установки. Выберите язык, который Вы хотите, чтобы использовался при работе GPS Pathfinder Office по окончании установки. Если Вы установите GPS Pathfinder Office для работы на одном языке и впоследствии захотите, чтобы использовался другой язык, Вам необходимо сначала удалить GPS Pathfinder Office, затем повторно установить продукт и при этом выбрать желаемый язык.

日本語での紹介

GPS Pathfinder Office 5.65 ソフトウェアによろこそ。GPS Pathfinder Office ソフトウェアの今回のリリースには、数多くの追加や変更が含まれています。リリースノートをしていねいにお読みください。GPS Pathfinder Office ソフトウェアバージョンをインストールする際に、インストールの言語の選択を求められます。この時にはインストール後に GPS Pathfinder Office ソフトウェアで使用する言語を選択して下さい。言語を選択して GPS Pathfinder Office ソフトウェアをインストールした後、別の言語に変更するには、ソフトウェアを一度アンインストールして下さい。その後ソフトウェアを再度インストールし、そのプロセスで別の言語を選択して下さい。

한국어 안내

GPS Pathfinder Office 5.65 소프트웨어를 이용해 주셔서 감사합니다. 이번에 출시된 버전에는 중요한 사항이 많이 추가 / 변경되었습니다. 이 릴리스 노트를 숙독하시기 바랍니다. GPS Pathfinder Office 소프트웨어 버전을 설치할 때 설치 언어를 선택하라는 메시지가 나옵니다. 설치 후 어떤 언어로 GPS Pathfinder Office 소프트웨어가 실행되었으면 하는지 선택해야 합니다. GPS Pathfinder Office 소프트웨어를 어떤 한 언어로 설치했다가 나중에 다른 언어로 바꿔 실행하고자 할 경우에는 일단 이 소프트웨어를 제거한 뒤 다시 설치하면서 새 언어를 선택하십시오.

中文引言

欢迎使用 GPS Pathfinder Office 5.65 软件。这次发行的 GPS Pathfinder Office 软件增加和变更了大量重要内容。请仔细阅读本发行说明。当您安装 GPS Pathfinder Office 软件版本时，该软件将要求您选择安装语言。您必须选择一种安装完 GPS Pathfinder Office 软件后您想让它运行的语言。如果您用一种语言安装了 GPS Pathfinder Office 软件，但后来您又想用另一种语言运行它，那么必须卸载软件，重新安装它，然后在安装期间选择语言。

New features and changes

Version 5.65 of the GPS Pathfinder Office software includes the following new and updated features:

- Support for Trimble RTX™ correction services (data collected on a Trimble Geo 7X handheld only, for Trimble CenterPoint™, RangePoint™, and ViewPoint RTX correction services). In the *Position Properties* window, RTX carrier corrected positions now show as *RTX Real-time Carrier*, and RTX code corrected positions now show as *RTX Real-time Code*.

The Trimble GPS Pathfinder Office Configuration Manager has also been updated to support setting up RTX real-time configurations for the TerraSync™ software.

Refer to the [Mapping & GIS Product Compatibility List](#) for full details of all hardware, software, and firmware compatibility.

Known issues

This section describes known issues with the TerraSync software.

File Geodatabase export does not support vertical coordinate systems

- File Geodatabase export is based on the Esri File Geodatabase API and the Spatial Reference description is limited to horizontal coordinate systems. It cannot contain XML tags related to vertical coordinate systems (such as VCSWKID); which cause an export operation to fail.

File geodatabase import may use incorrect value if default value is not set

- When you import using an external data dictionary, if you leave *Default* values empty they may be incorrectly set to the minimum value in the imported file.

File Geodatabase export must contain ZTolerance tag for 3D coordinate output

- When exporting to File Geodatabase, if XYZ is selected for the coordinate system output, the Spatial Reference description must include a ZTolerance tag (for example, <ZTolerance>0.001</ZTolerance>), otherwise it is displayed incorrectly in ArcCatalog.

Import utility cannot import file geodatabase feature classes with non-standard spatial references

- A feature class from a file geodatabase fails to import if the spatial reference is not among the standard spatial references supported by the Esri File Geodatabase API. For the full list of supported spatial references, refer to [SupportedGCS_PCS.pdf](#) on www.trimble.com. This is difficult to troubleshoot as the same file geodatabase may open in ArcGIS with no issue. The message Please convert the feature class to a different spatial reference such as WGS84 and try again displays.

File Geodatabase export requires the use of spatial references supported in the Esri API

- File Geodatabase export is based on the Esri File Geodatabase API which is limited to a predefined set of spatial references. For the full list of supported spatial references refer to [SupportedGCS_PCS.pdf](#) on www.trimble.com. If the Spatial Reference XML is not based on a coordinate system supported by the API, an error occurs and the export process fails. If you must use a coordinate system supported by ArcGIS but not by the File Geodatabase API, the following workaround may provide a solution: enter any spatial reference description supported by the API and export your data to a file geodatabase, then change a spatial reference for exported feature classes in a created file geodatabase to a proper value using ArcGIS. Note that you still need to use correct settings in the *Coordinate System* tab of the *Export Setup Properties* dialog.

Postprocessed height errors caused by incorrectly referenced base station antenna heights

- When postprocessing a rover file in the GPS Pathfinder Office software, you can choose whether to use the reference position from the Base Station Provider list available in the Differential Correction Utility or the reference position in the base file itself.
 - If you use the reference position in the Base Station provider list, the Differential Correction utility expects the height in the list to be the height of the antenna phase center of the GPS antenna for the base station (not the height of the point that the antenna is mounted on). If the height is not the antenna phase center height, this can introduce heighting errors in the magnitude of 5-15cm depending on GPS antenna type at the base. To avoid this error, check with the base station provider to ensure that the reference position height in the base provider list is given in terms of the L1 phase centre of the antenna.
 - If you use the reference position from the base file, the Differential Correction utility expects the height in the file to be the height of the point the antenna is mounted on (not the antenna phase center). For RINEX files this is part of the RINEX standard. The antenna type also needs to be defined in the base file so that the Differential Correction utility can apply the correct antenna phase center offset for the antenna type at the base station. If the height is not correctly defined in the base file then errors in heighting will occur after postprocessing.

Contact the base station provider to confirm the height of any base stations, and how it is measured.

Additional information is available in the support note *Postprocessed Height Errors Caused by Incorrectly Referenced Base Station Antenna Heights*—go to the *GPS Pathfinder Office Software Technical Support* page, then select *Support Notes / v5.x Support Notes / Differential Corrections Issues*.

An out-of-place cancellation window appears during a language pack installation

- When you select a language pack to install and click **Next**, a window may appear asking if you want to cancel the installation. The installation continues to run in the background; clicking **No** allows you to close the window and complete the installation successfully.

ASCII export produces blank files in languages other than English

- When exporting into ASCII in languages other than English, output files are either empty or say "END" multiple times. A workaround for this problem is to delete the *Sample Configurable ASCII Setup* and create a new Configurable ASCII Setup.

Import Utility creates TerraSync software version 4.00 data dictionaries

- When data is importing using the Import Utility, Terrasync software version 4.00 data dictionaries are generated. When the data dictionary is opened with the Data Dictionary Editor, there is an option to convert it to a TerraSync version 5.00 and later data dictionary format, but by this time some data may have been truncated.

Mapinfo export issue

- The MapInfo MIF export setup does not include the local projection header information in the MIF file, for example, COORDSYS NONEARTH UNITS "m". This can cause problems opening the exported files in MapInfo. To resolve this, the projection header information can be copied from another MIF file and pasted into the MIF header. For example:

```
CoordSys Earth Projection 8, 79, "m", -2, 49, 0.9996012717, 400000, - 100000 Bounds  
(-7845061.1011, -15524202.1641) (8645061.1011, 4470074.53373)
```

TerraSync Studio

- When a .stu (TerraSync Studio configuration file) is sent to a mobile device, it does not appear in the TerraSync file manager on the device. To reconfigure the TerraSync software on the device, you must resend a .stu file; to reset the TerraSync software to enable all options, make sure that all options in the TerraSync Studio utility are selected, and then resend the .stu file. For more information on the TerraSync Studio utility, see the *GPS Pathfinder Office Software Help*.

Floating License Manager

- Requirement for Microsoft Chart Controls for Microsoft .NET: The Mapping & GIS License Manager requires both Microsoft .NET Framework 3.5 and Microsoft Chart Controls for Microsoft .NET Framework 3.5 to be available on the target computer.

The Microsoft Chart Controls for Microsoft .NET Framework 3.5 can be downloaded from <http://www.microsoft.com/download/en/details.aspx?id=14422>

- Occasionally, the Floating License Manager appears to not be available. This can be caused by the Trimble Mapping & GIS License Service failing to start on the server due to lack of resources. If you encounter this problem often, do the following:
 - Click Start, right-click *My Computer* and then click *Manage*.
 - In the *Computer Management* utility, select *Services and Applications / Services*.
 - Locate the *Trimble Mapping & GIS License Service* entry, right click and then select *Properties*.
 - On the *General* tab, if *Start type* is not already set to Automatic, select Automatic and then click **Apply**.
 - Select the *Recovery* tab, and make sure that *First failure*, *Second failure*, and *Subsequent failures* are set to Restart the Service. Click **Apply** and then click **OK**.

Export

- If the folder into which a file is exported already contains a subfolder with the same name as the input data file, no export file will be created.
- If the name of the file to be exported contains a period (".") the exported file name will be truncated at that point.

Email client on the Windows Vista operating system

- When installed on a Windows Vista® operating system, the GPS Pathfinder Office software does not directly support the Windows Vista standard Windows email client when using the Trimble Data Transfer utility. Trimble recommends that you install Microsoft Outlook® 2003 or Microsoft Outlook 2007 as the email client.

Importing files with an external Data Dictionary

- If you are importing files and select the *Features with external Data Dictionary* option in the *Data* tab of the *Import Setup Properties* dialog, the external data dictionary must not contain any features with more than 50 attributes. If it does, the import fails to match the feature against the data dictionary.

Multipoint features

- GPS Pathfinder Office software versions 5.40 and later do not support multi-point features. Attempting to import a multi-point feature from a GIS may result in the GPS Pathfinder Office software becoming non-responsive. Trimble recommends that you replace a multi-point feature with multiple single-point data points.

SSF to Rinex

- The SSF to Rinex Utility only supports GPS and GLONASS. QZSS, Galileo, and Beidou data will not be exported to Rinex files.

Technical assistance and documentation

The documentation for the GPS Pathfinder Office software should be your first point of reference if you have problems using the software. The *GPS Pathfinder Office Software Getting Started Guide* contains chapters describing the GPS Pathfinder Office software interface. The *GPS Pathfinder Office Software Help* provides detailed information on all windows and controls in the GPS Pathfinder Office software, as well as many 'how to' topics describing how to use the software.

If you cannot find a solution in the *Help* or *GPS Pathfinder Office Software Getting Started Guide*, try exiting the GPS Pathfinder Office software by selecting *File / Exit*. Then restart the software and resume working.

Technical support

Go to the GPS Pathfinder Office software webpage www.trimble.com/mappingGIS/PathfinderOffice.aspx on the Trimble website for the latest information about the software, including:

- support notes detailing the latest support issues
- documentation
- the latest files available for download

Additional help

If you still cannot find a solution to the problem, contact your Trimble reseller.

Windows error reporting

Sometimes, a Windows Error Reporting dialog may appear, indicating that the GPS Pathfinder Office software has encountered a problem and needs to close. You are prompted to send an error report to Microsoft. Trimble recommends that you click **Send** and then click any subsequent links that are used to obtain additional information. Trimble can access the report that is sent to Microsoft and use it to improve the GPS Pathfinder Office software.

Software maintenance for the GPS Pathfinder Office software

GPS Pathfinder Office software ships with one year of software maintenance as standard. Further one- and two-year software maintenance extensions can be purchased.

Legal notices

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Release Notice

This is the January 2015 release (Revision A) of the *GPS Pathfinder Office software release notes*. It applies to the software version 5.65.