

RELEASE NOTES

TerraSync™ software

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Version 3.05
Revision A
November 2007
Part Number 43161-30



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For a complete list of all relevant legal notices regarding this product, please refer to the *TerraSync Software Getting Started Guide*.

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This product is covered by the following patent: 6,377,891.

Release Notice

This is the November 2007 release (Revision A) of the *TerraSync Software Release Notes*, part number 43161-30. It applies to version 3.05 of the TerraSync software.

Introduction

Welcome to version 3.05 of the Trimble® TerraSync™ software. This release of the TerraSync software contains a number of important additions and changes. Please read these release notes carefully.

When you install version 3.05 of the TerraSync software, you must choose the language that the Setup program will use to run the installation of the software. To run version 3.05 of the TerraSync software in a language other than English, you must download and install the appropriate language files, if available, from the Trimble website. The TerraSync Updater utility will help you do this; it runs towards the end of the installation process.

Similarly, to run the TerraSync Online Help in a language other than English, you must download and install the appropriate Help files, if available, from the Trimble website. The TerraSync Updater utility will display the available Help files.

The following sections contain introductory information for several languages. Further release notes in English follow these sections.

中文介绍

欢迎使用 TerraSync™ 3.05 软件。这次发行的 TerraSync 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 TerraSync 3.05 软件时，您必须选择安装软件使用的语言。要使用非英语运行 TerraSync 3.05 软件时，您必须从 Trimble 网站下载和应用相应的语言文件，新 TerraSync Updater 程序帮助您完成此全部安装工作。

同样，要运行使用非英语 TerraSync 3.05 帮助程序，您必须从 Trimble 网站下载和应用相应语言的帮助文件。TerraSync Updater 程序将显示可利用的帮助文件。可利用的帮助文件有英语和西班牙语。

Deutsch

Willkommen zur TerraSync™ 3.05-Software. Diese Ausgabe der TerraSync-Software enthält eine Anzahl wichtiger Ergänzungen und Änderungen. Bitte lesen Sie diese Ausgabehinweise sorgfältig.

Wenn Sie die TerraSync 3.05-Software installieren, müssen Sie die Sprache wählen, die das Setup-Programm verwenden soll, um die Installation der Software auszuführen. Um die TerraSync 3.05-Software in einer anderen Sprache als Englisch auszuführen, müssen Sie die entsprechenden Sprachdateien von der Trimble-Webseite herunterladen und installieren. Das Updater-Programm für TerraSync hilft Ihnen dabei; es wird am Ende des Installationsvorganges ausgeführt.

Um die Hilfe von TerraSync 3.05 in einer anderen Sprache als Englisch auszuführen, müssen Sie die entsprechenden Hilfedateien auf die gleiche Weise von der Trimble-Webseite herunterladen und installieren. Das Updater-Programm für TerraSync zeigt die verfügbaren Hilfedateien an.

Español

Bienvenidos al software TerraSync™ 3.05. Esta versión del software TerraSync contiene varias adiciones y modificaciones importantes. Se ruega que lea estas notas de lanzamiento del software con atención.

Cuando instale el software TerraSync 3.05, deberá elegir el idioma a utilizar por el programa de instalación para ejecutar la instalación del software. Para ejecutar el software TerraSync 3.05 en otro idioma distinto del inglés, deberá descargar del sitio web de Trimble los archivos de idioma pertinentes e instalarlos en su computadora. La utilidad TerraSync Updater le ayudará a hacerlo; ésta se ejecuta en la fase final del proceso de instalación.

De forma similar, para ejecutar la ayuda de TerraSync 3.05 en otro idioma que no sea el inglés, deberá descargar del sitio web de Trimble los archivos de ayuda pertinentes e instalarlos en su computadora. La utilidad TerraSync Updater mostrará los archivos de ayuda disponibles.

Français Bienvenue dans le logiciel TerraSync™ 3.05. Cette version du logiciel TerraSync comprend quelques additions et modifications importantes. Veuillez lire ces notes de version attentivement.

Lors de l'installation du logiciel TerraSync 3.05, il faut choisir quelle langue le programme d'installation utilisera pour exécuter l'installation du logiciel. Afin d'exécuter le logiciel TerraSync 3.05 dans une langue autre que l'anglais, vous devez télécharger et appliquer les fichiers de langue appropriés du site Web de Trimble. L'utilitaire Updater de TerraSync vous aidera à le faire; il s'exécute vers la fin du procédé d'installation.

Egalement, afin d'exécuter l'Aide de TerraSync 3.05 dans une langue autre que l'anglais, il faut télécharger et appliquer les fichiers d'aide appropriés du site Web de Trimble. L'utilitaire Updater de TerraSync affichera les fichiers d'aide disponibles.

ご案内

TerraSync™ 3.05 ソフトウェアをご利用いただきましてありがとうございます。TerraSync ソフトウェアの今回のリリースには、変更や追加事項が数多く含まれています。リリースノートをていねいにお読みください。

TerraSync 3.05 ソフトウェアのインストール時には、ソフトウェアのインストールを実行するのにセットアッププログラムが使用する言語が選択される必要があります。TerraSync 3.05 ソフトウェアを英語以外の言語で実行するには、トリンブル社のウェブサイトから適切な言語ファイルをダウンロードして適用してください。新しい TerraSync Updater ユーティリティを利用するとそれを簡単に行うことができます。それはインストールの後半に実行されます。

それと同様に、TerraSync 3.05 ヘルプを英語以外の言語で実行するには、トリンブル社のウェブサイトから適切なヘルプファイルをダウンロードして適用する必要があります。TerraSync Updater ユーティリティが利用可能なヘルプファイルを表示します。ヘルプが利用できるのは、英語とスペイン語だけです。

Português Bem-vindo ao software TerraSync™ 3.05. Este lançamento do software TerraSync contém uma série de importantes acréscimos e mudanças. Leia estas notas com cuidado.

Ao instalar o software TerraSync 3.05, deve-se escolher o idioma que o programa Configuração usará para executar a instalação do software. Para executar o software TerraSync 3.05 num idioma que não seja o inglês, deve-se fazer um download e aplicar os arquivos apropriados do idioma a partir do site de Internet da Trimble. A utilidade Updater do TerraSync o ajudará fazer isso quando é executada na parte final do processo da instalação.

Igualmente, para executar a Ajuda do TerraSync 3.05 num idioma que não seja o inglês, deve-se fazer um download e aplicar os arquivos de Ajuda apropriados a partir do site de Internet da Trimble. A utilidade Updater do TerraSync exibirá os arquivos de Ajuda disponíveis.

한국어 안내 TerraSync™ 3.05 소프트웨어를 이용해 주셔서 감사합니다. 이번에 출시된 버전에는 중요한 사항이 많이 추가/변경되었습니다. 이 릴리스 노트를 숙독하시기 바랍니다.

TerraSync 3.05 소프트웨어를 설치할 때, 이 설치 작업에 쓸 언어를 반드시 선택하여야 합니다. 영어 이외의 다른 언어로 TerraSync 3.05 소프트웨어를 실행하기 위해서는 해당 언어 파일을 Trimble 웹사이트에서 다운로드 받아 적용하여야만 합니다. 이 일은 설치 작업의 최종 단계에서 구동하게 되는 새 TerraSync Updater 유틸리티를 이용하여 처리하면 편리합니다.

마찬가지로, 영어 이외의 다른 언어로 TerraSync 3.05 도움말을 실행하려면 해당 도움말 파일을 Trimble 웹사이트에서 다운로드 받아 적용하여야만 합니다. 이용 가능한 도움말 파일은 TerraSync Updater 유틸리티에서 표시되게 됩니다. 이용 가능한 도움말 언어는 영어, 스페인어입니다.

Русская Добро пожаловать в наш программный продукт TerraSync™ 3.05. Эта реализация продукта TerraSync содержит несколько важных дополнений и изменений. Просим вас внимательно прочесть эти замечания.

Когда вы устанавливаете продукт TerraSync 3.05, вам следует выбрать язык, который будет использоваться при работе установочной программы. Для обеспечения работы продукта TerraSync 3.05 на любом языке, кроме английского, вы должны загрузить соответствующие файлы языковой поддержки из веб-сайта Trimble. Новая утилита TerraSync Updater поможет вам это сделать; она работает до конца установочного процесса.

Подобным образом для работы TerraSync 3.05 Help на любом языке, кроме английского, вам следует загрузить и применить соответствующие файлы Help (Помощь) из веб-сайта Trimble. Утилита TerraSync Updater покажет имеющиеся файлы Help. Помощь доступна на английском и испанском языках.

New features and changes

Version 3.05 of the TerraSync software includes the following new features:

- Support for the Trimble Nomad™ series handheld
- Support for the Trimble R8, R8 GNSS, and 5800 RTK receiver firmware version 2.32 and 3.50.

Version 3.01 of the TerraSync software added support for the Juno ST™ handheld.

The Trimble Nomad series and Juno ST handhelds use the same settings as the GPS Pathfinder XB receiver.

***Note** – The internal GPS receiver of the Trimble Nomad 800L, 800LC and 800LE series handhelds is not specified to provide real-time differential corrections. However, if you select the Integrated SBAS option, the receiver will attempt to track SBAS satellites and in some conditions may receive real-time SBAS corrections.*

For more information about Trimble Nomad series or Juno ST handheld support, refer to the text relating to the GPS Pathfinder XB receiver in the *TerraSync Software Reference Manual*.

TerraSync version 3.01 language updates are compatible with the TerraSync version 3.05 software.

Software maintenance period

From March 2007, customers purchasing TerraSync Professional edition receive 12 months' software maintenance. Customers purchasing TerraSync Standard edition receive 90 days' software maintenance as standard, but can elect to purchase an extension to 12 months at the time of order placement. After order placement, customers purchasing TerraSync Standard edition cannot extend maintenance from 90 days to 12 months, but they can purchase separate 1- or 2-year software maintenance agreements.

Known issues

This section provides information about known issues with the TerraSync software.

Installation

- On some devices powered by the Windows Mobile® operating system, the message Adding information for “Remove Programs” may remain on the screen for several minutes at the end of the installation process. While this message is displayed, do not cancel the installation or reset the device.

E-mail client on Microsoft Windows Vista

- TerraSync version 3.05, when installed on a computer running the Microsoft Windows Vista® operating system, does not directly support the Microsoft Windows Vista standard Windows e-mail client when using the Data Transfer utility. Trimble recommends that you install Microsoft Outlook® 2003 or Microsoft Outlook 2007 as the e-mail client.

Communications

- For receivers that support RTCM, the TerraSync software can forward RTCM corrections from a serial port on the field computer to the GPS receiver. However, it cannot forward CMR messages from a serial port to the receiver.
- You cannot use the TerraSync software to configure communication settings for an external data radio connected to a base receiver. You can only configure the receiver to use the same settings as the radio. To change the data radio’s communication settings, use the configuration software that is provided with the radio.

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- If you change the NMEA or RTCM output baud rate while the TerraSync software is outputting NMEA messages to an external device, communication problems can occur. The COM port may become locked, or the external device may misinterpret the data sent. Before changing communication settings in the NMEA Output Settings form, or in the Base Station Setup wizard, disconnect any external devices that are using NMEA data from the TerraSync software.
 - If you accidentally select an infrared port on the field computer for connection to a GPS receiver, the TerraSync software may stop responding.
 - The TerraSync software does not filter NMEA positions by PDOP, or obey the *Wait for Real-time* setting when outputting NMEA positions. All positions generated by the receiver are output in the NMEA stream.

Suspending a Windows Mobile powered device

Before you suspend a Windows Mobile powered device running TerraSync software, you must:

- close all data files
- disconnect from the GPS receiver



CAUTION – Failure to close all data files or to disconnect from the GPS receiver may result in corrupted data.

Data collection

- If you collect both SuperCorrect and carrier data, the first position logged after a loss of carrier lock cannot be differentially corrected in the GPS Pathfinder Office software. To ensure that you collect all the positions you need, remain stationary for two epochs after regaining carrier lock.

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- Not all data can be postprocessed if more than one type of GPS receiver was used to collect the data.

If you want to change the receiver you are using, close the current data file. After connecting the new receiver, start a new data file and continue collecting data.


VRS

- Positions collected using a receiver without H-Star™ technology that have been corrected in real time using a VRS™ system may be less accurate after postprocessing using the GPS Analyst™ extension or the GPS Pathfinder Office software. This is because the Differential Correction wizard uses a single base station, which is usually farther from the rover than the VRS. Data that has had real-time VRS corrections applied may not require postprocessing.
- The AT command set is a standard language for communicating with modems. To establish a dial-up connection with a VRS provider using some cellphones (such as some Nokia models), you may need to send AT commands from the field computer to put the cellphone into ISDN mode. The Windows Mobile operating system cannot send these commands. To configure the cellphone, connect it to a computer that is running a desktop Windows operating system.
- Some cellphones do not disconnect the dial-up connection to a server when the TerraSync software sends a disconnect command. To ensure that a dial-up connection is ended, disconnect from the server in the TerraSync software, and then end the call on the cellphone as well.

Restoring fonts

- After you perform a hard reset on a Windows Mobile powered device that has a RAM backup feature (for example, a GeoExplorer series handheld), fonts that you have installed may not be available. To make the fonts available, perform a soft reset.

Survey receivers

- The TerraSync software may be unable to connect to a survey receiver that is configured to less than 38400 baud. If you have problems connecting the TerraSync software to the receiver, use the GPS Configurator software to check that the baud rate of the receiver port is set to 38400. GPS Configurator software is supplied with the GPS receiver.
- The TerraSync software cannot turn off a survey receiver. To turn off the receiver, use the Power button  on the receiver.

GeoExplorer series handheld

- If a GeoExplorer series handheld loses power, or you perform a hard reset, the main memory is cleared. Any unsaved data and any changes in the main memory since the last backup are lost. When you install the TerraSync software on a GeoExplorer series handheld, some settings are stored in the main memory, even though the TerraSync software is always installed to the Disk. To protect these settings, the TerraSync installation program automatically backs up the main memory after installing the TerraSync software.

To avoid data loss, Trimble recommends that you also back up the main memory immediately after making any changes to system settings. For information on backing up the main memory, refer to the *GeoExplorer Series Getting Started Guide*.

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- When using a GeoExplorer series handheld as an external GPS receiver, with a cabled connection from your field computer to the serial clip on the GeoExplorer series handheld, the only baud rate that is supported is 38400. To set this up correctly:
 - Use the GPS Connector software on the GeoExplorer series handheld to set the COM1 baud rate to 38400 (or TSIP High Speed on a GeoExplorer 2005 series handheld).
 - Use the COM port configuration control on your field computer to set the baud rate on its COM port to 38400.

GeoExplorer CE .Net handheld

- When installing the TerraSync software onto a Windows CE .Net device, a message may appear warning that a .wav file is a hidden, read-only, or system file and asking if you want to replace it.

Trimble recommends that you click **No**.

- After panning and zooming around a map displaying an ECW or a MrSID image, the image may close and a message appear explaining that the background file has been close due to low memory.

This can occur because the handheld has a limited amount of memory.

GPS Pathfinder Pro series receiver

Using a null modem cable to provide NMEA output from a GPS Pathfinder Pro series receiver can cause serial communications to jam on some field computers. The communications problem can cause the field computer to slow down or stop responding.

To provide NMEA output to another device, Trimble recommends that you use the NMEA/RTCM splitter cable (P/N 55443-00). Connect the splitter cable to the receiver. Then connect the receiver to the field computer and enable NMEA output in the TerraSync software.

Technical assistance


If you have problems using the TerraSync software, the TerraSync documentation should be your first point of reference.

The *TerraSync Software Getting Started Guide* contains:

- an overview of the software functionality
- a tutorial on using the software

The *TerraSync Software Reference Manual* contains:

- a detailed reference with information on all software screens and controls.
- a troubleshooting section that lists common problems, their causes, and possible solutions. If you have problems, refer to this section first.

If you cannot find a solution in the *TerraSync Software Reference Manual*, try restarting the TerraSync software. Close any open data file, and then tap the  button in the upper right corner of the TerraSync software window to exit the software. Then start the TerraSync software again and resume working.

If you cannot restart the software, or restarting the software does not solve the problem, try resetting or restarting the field computer. For more information, refer to the field computer's documentation.

If you still cannot find a solution to the problem, **contact your Trimble reseller**. Alternatively, you can request technical support using the Trimble website (www.trimble.com/support.html).