



# RELEASE NOTES

## TRIMBLE<sup>®</sup> ACCESS<sup>™</sup> SOFTWARE

Version 2013.30  
Revision B  
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**Legal Information**

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**Release Notice**

This version of the Trimble Access release notes applies to version 2013.30 of the Trimble Access software.

# Contents

- Trimble Access Software Version 2013.30 ..... 4
- Trimble Access ..... 6
- General Survey ..... 7
- TerraFlex ..... 7
- Aerial Imaging ..... 8
- Roads ..... 9
- Tunnels ..... 10
- Software and Hardware Requirements ..... 11

# Trimble Access Software Version 2013.30

These Release Notes contain information about the Trimble® Access™ software version 2013.30.

The Trimble Access software provides a collection of survey tools for use in the field, and web-based services for the office and in the field. These applications may be installed on the controller, the office computer, or on servers hosted by Trimble, depending on the parts you have purchased.

## Installing the software and licenses on the controller

### Operating system installation

With a new Trimble Tablet, the operating system is not installed. Turn on the Tablet to install the Windows® operating system and then apply Windows updates.

With all other new controllers, the operating system is already installed.

### Software and license installation

Before you use your controller, you must install the applications and licenses using the Trimble Access Installation Manager. If you have:

- not installed the Trimble Access Installation Manager before, go to [www.trimble.com/taim](http://www.trimble.com/taim) for installation information.
- previously installed the Trimble Access Installation Manager, you do not need to reinstall it because it updates itself automatically. Select *Start / All Programs / Trimble Access Installation Manager* to start the Installation Manager.

For further information on how to install or update your software and license file, refer to the Help file in the Trimble Access Installation Manager.

**Note** – For Trimble CU controllers, Trimble Access version 2013.00 and later can be installed only on the Trimble CU model 3 (S/N 950xxxxx). Trimble CU models 1 and 2 have insufficient memory to run later versions of Trimble Access.

### Am I entitled to this version?

To install and run Trimble Access software version 2013.30, you must have a warranty agreement valid up to 1 May 2013.

When you upgrade to version 2013.30 using the Trimble Access Installation Manager, a new license file is downloaded to your device.

### Updating office software

When you upgrade to version 2013.30, you must also update your office software. These updates are required if you need to import your General Survey jobs into Trimble office software such as Trimble Business Center.

When you upgrade the controller using the Trimble Access Installation Manager, the office software on the computer that has the Trimble Access Installation Manager installed is also upgraded. To upgrade other computers that were not used to update the controller, do one of the following:

- Install the Trimble Access Installation Manager onto each computer and then run Office updates.
- Run the Trimble Update Office Software packages for the Trimble Access software from [www.trimble.com/support\\_trl.asp?Nav=Collection-84862](http://www.trimble.com/support_trl.asp?Nav=Collection-84862).
- Use the Trimble Data Transfer utility:
  - You must have version 1.51 or later installed. You can install the Data Transfer utility from [www.trimble.com/datatransfer.shtml](http://www.trimble.com/datatransfer.shtml).
  - If you have version 1.51, you do not need to update to a later version of the Data Transfer utility; you can run one of the Trimble Update Office Software packages from [www.trimble.com/support\\_trl.asp?Nav=Collection-84862](http://www.trimble.com/support_trl.asp?Nav=Collection-84862).
- If you only need to update the latest version of the Trimble Business Center software, you do not need to run the Trimble Access Installation Manager to update the office software. The required converters are now available on the controllers running the Trimble Access software and, if required, they are copied from the controller to the computer by the Trimble Business Center software.

## Trimble Solution Improvement Program

The Trimble Solution Improvement Program collects information about how you use Trimble programs and about some of the problems you may encounter. Trimble uses this information to improve the products and features you use most often, to help you to solve problems, and to better meet your needs. Participation in the program is strictly voluntary.

If you participate, a software program is installed on your computer. Every time that you connect your controller to this computer using ActiveSync® technology or the Windows Mobile® Device Center, the Trimble Access software generates a log file that is automatically sent to the Trimble server. The file includes data on what the Trimble equipment is being used for, what software functions are popular in specific geographical regions, and how often problems occur in Trimble products that Trimble can correct.

At any time, you can uninstall the Trimble Solution Improvement Program. If you no longer wish to participate in the Trimble Solution Improvement Program go to *Add or Remove programs* on your computer and remove the software.

## Documentation

Trimble Access Help is "context-sensitive." To access the Help, tap ? at the top of the screen.

A list of Help topics appears, with the relevant topic highlighted. To open the topic, tap its title.

Go to <http://help.trimbleaccess.com> to download a PDF file of the Help. A separate PDF file is provided for each application.

# Trimble Access

## New hardware supported

### Trimble Tablet Rugged PC

The new Trimble Tablet Rugged PC has the following key new features:

- Enhanced direct sunlight-readable color display
- 7 inch capacitive touchscreen
- Internal camera

The new tablet has a forward-facing 5 megapixel camera.

- New function key behavior

As well as the three function keys an additional function (**Fn**) key has been added. This key enables one of three settings to be selected for each of the three function keys, providing access to additional features.

- 2.4 GHz radio

An integrated 2.4 GHz radio is available for robotic surveys with the Trimble Tablet.

### Trimble Tablet keyboard improvements

For alphanumeric fields, for example *Point name*, the keyboard mode is now set based on the last character in the field.

Some issues with the onscreen keyboard that was introduced in Trimble Access version 2013.10, where the keyboard did not appear when it should or was still visible when it should not be are now resolved.

## Trimble Access applications now available to trial

A fully functional version of select Trimble Access applications is now available for a once-only free trial.

Trimble Access applications individually available to trial include Roads, Tunnels, Mines, Land Seismic, Monitoring, Utility Survey, Level Me, Athletics, China Electricity, and China Survey Toolkit.

You can create a 30 day trial license for your controller using the Trimble Access Installation Manager. From the *Additional applications* tab, select the application(s) to trial and then click **Create license**. You must authenticate using the Trimble Central Authentication Service to get the 30 day trial for an application. If you do not have an account, you can create one from within Trimble Access Installation Manager. The license is then created and the new application can be installed from the *Licensed applications* tab.

## Access Marketplace

Access Marketplace is now available with Trimble Access. Access Marketplace enables you to browse the list of available applications for Trimble Access, and provides information about each

application. Access Marketplace includes:

- Trimble applications – applications developed, sold, and maintained by Trimble.
- Partner applications – applications developed by third-party developers and available to purchase.
- Regional applications – information about other innovative solutions developed in the market. These applications are not for sale, but highlight the capabilities of the Trimble Access Software Development Toolkit.

The Access Marketplace application will be updated as often as new applications are made available.

## General Survey

### Resolved issues

- **As staked point on Trimble Tablet:** An issue where the Trimble Tablet would lock up when you tried to store an as-staked point with excess tilt when the eBubble was displayed is now resolved.

## TerraFlex

Trimble TerraFlex is now available with Trimble Access on the Trimble TSC3 and Trimble Slate controllers.

Trimble TerraFlex is a cloud subscription-based solution for mobile geospatial data collection. The software suite comprises mobile and cloud components that allow you to collect, process, and manage your data.

### Trimble TerraFlex Cloud

Trimble TerraFlex Cloud helps streamline workflows for people who may use paper forms along with consumer-grade GPS devices. By eliminating the need for duplication of field and office entry, users save time and money by collecting geospatial data and inspecting an asset in a single step. TerraFlex provides a dynamic form template creator that has a range of common field data collection attributes like text fields, numeric fields, multiple choice, yes/no, and the ability to tag photos to a data collection. Forms can be created for anything ranging from the collection of GIS-style feature and attribute information, to a safety checklist recording information of potential hazards, including photographs and risk analysis.

Getting data back into the office is a common headache for many users. TerraFlex solves this with automatic field-office syncing. Anytime the user is connected, office updates are pushed to the mobile device and if a user completes a form it is pushed back to the office. This removes any data transfer bottlenecks, wasted time spent typing in handwritten notes, and eliminates errors in the transfer process. A cloud subscription gives you an unlimited number of form templates, and unlimited device-to-office form syncing.

## Trimble TerraFlex Mobile

The mobile component of TerraFlex runs on Trimble Access and provides the interface for the field users to collect data. As office projects are created and published, they are assigned to the field user and automatically pushed to the field user's device when the user signs in to the service. The user selects a project to work on, and selects the specific data collection form in that project that they are to fill out. When the user completes a form, that form is automatically synced back to the cloud, giving the office user immediate updates on field crew activities.

In many cases, field data collectors are out of cellular or Wi-Fi range, but still need to do their job. This is not a problem since TerraFlex supports full data collection activities in remote areas and simply syncs with the server when the user is back in range. This ensures the field user has no interruptions in their data collection activities.

## Installation information

You can install TerraFlex Mobile on the Trimble TSC3 or Trimble Slate controller using the Trimble Access Installation Manager. To do this, use the *Additional applications* tab to select TerraFlex Mobile and then click **Create license**. You must authenticate using the Trimble Central Authentication Service to get the application. If you do not have an account, you can create one from within Trimble Access Installation Manager. For more information, refer to the *Trimble Access Installation Manager Help*. The license is then created and the new application can be installed from the *Licensed applications* tab.

To trial TerraFlex Mobile on the controller, you must first connect to the Internet so that the application can download sample forms. Once you have downloaded the sample forms you can try out the software without an Internet connection.

To try out a fully functional system, including creating projects and forms, and synchronizing data, go to [www.trimble-terraflex.com](http://www.trimble-terraflex.com) and register for a free 30-day trial.

Note that the current version of TerraFlex Mobile is designed primarily for touch screen use.

You can purchase Trimble TerraFlex from [www.trimble-terraflex.com](http://www.trimble-terraflex.com).

## Aerial Imaging

The Aerial Imaging module was first released with Trimble Access version 2013.20.

The Aerial Imaging module enables operation of the Trimble UX5 aerial imaging rover. In one application you can plan your aerial missions, perform pre-flight checks, and monitor your flights. In the field, the software guides you through the pre- and post-flight sequences with step-by-step digital checklists. Many of the Trimble UX5 checks are automatically verified by the software and do not require any interaction. The fast and intuitive workflow allows the Trimble UX5 to be ready to fly in only 5 minutes.

The UX5 aerial imaging rover allows fast and safe data collection over large areas. With a compact landing angle and trajectory, you can operate the unmanned aircraft in confined spaces. The camera's custom optics, combined with the image processing capabilities of the Trimble Business Center Photogrammetry Module, provides the ability to capture data down to 2.4 cm resolution. The seamless data flow with Trimble Business Center enables fast, easy creation of deliverables including point clouds, TINs, and contour maps that can be used during all phases of your project.

**Note** – *The Aerial Imaging software does not currently support the new Trimble Tablet.*



## New features

### Overspeed protection

A fail-safe mechanism has been implemented whenever overspeed is detected.

### Low battery catch

A motor shutdown now automatically occurs when the battery level reaches 12.4 V.

## Resolved issues

- **Landing zone offset:** An issue where the landing could not be confirmed when the offset was set higher than 5 m is now resolved.
- **Export to .jxl format:** An issue where the export to .jxl format is incorrect is now resolved. This issue arose because of the test pictures taken during the pre-flight checklist. In the post-flight checklist the following message now prompts you to delete the test pictures: "Make sure that the images taken on ground are deleted from the SD card. Verify if the images taken during the flight are equal to the amount of shutter commands that were recorded in the flight log."
- **Unexpected closing of application:** An issue where the application unexpectedly closes when exporting with uncorrected missing images is now resolved.
- **Flight simulation:** An issue where the HOME command directs the UX5 to a fixed position and not the GCS location when simulating the flight using the previous landing and takeoff locations is now resolved.
- **Flight areas:** An issue where a new flight area did not always cover the mission area is now resolved.
- **GPS on the Trimble Tablet:** The Aerial Imaging module no longer requires the virtual GPS application to receive GPS information.
- **Windows uninstaller:** An issue where the Aerial Imaging icon is not displayed and the publisher is shown as "Gatewing" in the Windows uninstaller page is now resolved. The publisher is now shown as Trimble Navigation Limited.
- **Aerial Imaging launch icon:** An issue where the Aerial Imaging launch icon is not at the first position in the Trimble Access startup page is now resolved.
- **Modem detection:** An issue where it was taking a long time to detect the modem is now resolved.

## Roads

### Resolved issues

- **Slow Trimble Road stakeout:** An issue where road stakeout started to run very slow is now resolved. This issue occurred when staking a Trimble road that had a large number of transition

elements.

## Tunnels

### Resolved issues

- **Vertical curves with large rate of change:** An issue when using perpendicular profiles where there is a significant change of grade over the vertical curve is now resolved.

# Software and Hardware Requirements

Trimble Access software version 2013.30 communicates best with the software and hardware products shown below. The software can also communicate with any version later than that shown.

Trimble software	Version
Trimble Business Center (32-bit)	2.90
Trimble Business Center (64-bit)	3.00

Trimble receiver	Version
Trimble R10	4.81
Trimble R8-4, R8-3	4.81
Trimble R6-4, R6-3	4.81
Trimble R4-3, R4-2	4.81
Trimble R7 GNSS	4.81
Trimble R5	4.81
Trimble NetR9	4.81
Trimble GeoXR	4.55
Trimble R8-2, R6-2, R4-1	4.63
5800 II	4.63
5700 II	4.63

Trimble Instrument	Version
Trimble VX Spatial Station	R12.4.11
Trimble S8 total station	R12.4.11
Trimble S6 total station	R12.4.11
Trimble S3 total station	M2.1.31
Trimble M3 total station	1.30 2.10

For the latest software and firmware versions, see also <http://trl.trimble.com/dscgi/ds.py/Get/File-93082/Survey%20Software%20and%20Firmware.pdf>.

## **Controller operating system support**

Trimble TSC3 controllers with Microsoft Windows Mobile Version 6.5 Professional can run Trimble Access software version 1.8.0 to version 2011.10.

Trimble TSC3 controllers with Microsoft Windows Mobile Embedded Handheld 6.5 must have Trimble Access version 2012.00 or later.