



Trimble Access

Version 2018.10

August 2018

These Release Notes describe the new features and changes available in this release of the Trimble® Access™ software.

TIP – If you are not yet using Trimble Access 2018.00, make sure you take a look at the release notes for [Trimble Access 2018.00](#) for information on the new-look Trimble Access software.

These changes apply to General Survey as well as other Trimble Access applications.

New hardware support

Trimble R10-2 receiver

Trimble Access version 2018.10 supports the Trimble R10-2 (R10 model 2) receiver.

NOTE – The Trimble R10-2 modem does not support Bluetooth Dial-up Networking (DUN), and so you cannot use the SIM card in the receiver and enable **Route through controller**. To route data through the controller, insert the SIM card in the controller and set the **Route through controller** field to **On**.

Enhancements

Enhancements for cloud projects and jobs

- When you select a project or job and tap **Download**, the software now shows the **Download** screen, which shows the name, type, and size of each file in the project or job that will be downloaded. Tap **Download** to download the data to the controller.
Similarly, when you tap  in the details panel for the project or job and select **Upload**, the software now shows the **Upload** screen, which shows the name, type, and size of each file in the project or job that will be uploaded. Tap **Upload** to upload the data to the cloud.
- When downloading or uploading projects or jobs, the progress bar now more accurately indicates the download or upload progress.
- Trimble Access no longer allows the download of linked job files that have the same name as previously downloaded files for any job in the same project.
- When you upload a job, all design definition files used in the job for road or alignment staking and for tunnel scans, setout, or point in tunnel measurements are uploaded along with any exported files.
- Job settings, such as **Use descriptions**, **CSV Appender**, **Angle units** and **Use attributes of base code**, configured in Trimble Sync Manager are now applied correctly in Trimble Access when the job is downloaded from the cloud to the controller.

We have also made improvements to Trimble Sync Manager. For more information, refer to the topic **What's new?** in the [Trimble Sync Manager Help](#).

NOTE – To comply with Chinese data regulations concerning the upload of Chinese geospatial data to servers outside of China, Trimble Access now prevents sign in to the Trimble Connect cloud platform if it determines your IP address is in China.

Enhancements for local projects and jobs

- Trimble Access version 2018.10 can open jobs from version 2017.00 and later. When you open a version 2017.xx job from the **Jobs** screen, the software automatically converts the job to the current version of the software.
- You can now rename a local project in the Trimble Access software. Select the project in the **Projects** screen, tap **Properties** and then edit the text in the **Name** field. To avoid synchronization issues with Trimble Sync Manager you cannot rename cloud projects. The project can also be renamed by renaming the folder for the project in Windows Explorer.

Job record enhancements

The job now records:

- The file names of all design definition files used for road or alignment staking and for tunnel scans, setout, or point in tunnel measurements.
- The file names of any files exported from the job.

When copying job files to a location outside the project folder or copying job files into the project folder and with the **Copy road files**, **Copy tunnel file** or **Copy exported files** options selected, the road, tunnel or exported files are the files that have been used in the job. Previously all road, tunnel and exported files in the project folder were copied.

User interface enhancements

- You can now rearrange items in the **Favorites** list using the left and right arrow softkeys in the **Edit favorites** screen.
- When you select features in the map, you can now tap the **Review** softkey to view details about the selected features. Previously, **Review** was available only from the tap and hold menu. If the feature you are reviewing is a point feature, the point is now highlighted yellow in the map. Previously, only lines and arcs were highlighted.
- The **Select file** screen is now faster at opening the current project folder and allows you to navigate to any drive to select a different folder. When selecting a folder to store data to, for example when copying job files to a folder or exporting files, you can now create a new folder from the **Select folder** screen.
- When selecting codes to populate the code field for a point, the **Code selection** screen and the **Code filter** screen now appear to the right of the map. Previously these screens were fullscreen.
- The instrument controls displayed in the **Video** screen when the connected instrument is a Trimble SX10 scanning total station now scale automatically relative to screen size, so they are larger when the controller is a Trimble T10 tablet.
- When routing the internet connection for base data through the receiver during a GNSS RTK survey (where the **Route through controller** setting in the GNSS contact is set to **Off**) the cellular signal strength is now shown in the **Rover data link** screen.

Traverse enhancements

It is now possible to include station setup plus stations in a traverse computation within the body of the traverse, as well as for start and end traverse stations. Previously this type of station setup could only be used as the start or end traverse stations. The averaged orientation computed as part of the station setup is not used in the traverse computation and the resulting adjusted coordinates for the station means that the station orientation is changed. Resection station setups can still only be used as the start or end traverse stations.

GENIO road enhancements

You can now display a GENIO road in the map. To add the road, tap  in the map toolbar and tap the GENIO file to make the road(s) in the file visible in the map. Tap the GENIO file a second time to make all road(s) in the file selectable in the map. If the file contains more than one road, tap the arrow next to the file name to select which roads will be visible and/or selectable.

NOTE – *If the GENIO file has not yet had a road defined, this is indicated by a cross beside the file name in the **Active map** screen. To define a road, tap  and select **Define / GENIO road**.*

When you are using the Roads app, you can select the GENIO road for review, editing and survey just like you can with a Trimble road.

GNSS emulator

A GNSS emulator is now available with Trimble Access. The GNSS emulator allows you to test, demonstrate, or deliver training with Trimble Access using a simulated connection to a GNSS receiver. This removes the need to be outdoors and connected to a real GNSS receiver. The GNSS emulator can be used with emulator installations on desktop computers, and on controllers such as the Trimble TSC7 controller.

To use the GNSS emulator, tap  and select **About / Support / GNSS emulator**. You can configure the GNSS emulator for the appropriate base and the rover position and receiver type. To change your rover position when the GNSS emulator is running, use the SimAnt (Simulated Antenna) utility, which can be started from the **GNSS emulator** screen and runs in the background. To switch to the SimAnt utility, on a Windows 10 computer swipe in from the left, or press the **Alt + Tab** keys and select the window to view.

For more information, see the topic **To use the GNSS emulator** in the [Trimble Access Help](#).

Resolved issues

- **Cloud job settings:** Job settings, such as **Use descriptions**, **CSV Appender**, **Angle units** and **Use attributes of base code**, configured in Trimble Sync Manager are now applied correctly in Trimble Access when the job is downloaded from the cloud to the controller.
- **TSC7 and S Series instrument keys:** We have fixed several issues where pressing keys on the TSC7 keypad to navigate the software or the S Series instrument keypad to change face or measure observations did not always work.
- **Tablet issues:** We have fixed several issues when using the Trimble Access software on a Trimble T10 or third-party tablet, so that:

- It is easier to select items and use the software when using a stylus or in finger mode.
- The **Keyboard** list in the **Language** screen has been replaced with the **Use Trimble keyboard** check box. The Windows operating system keyboard is no longer supported.
- When using the Trimble on-screen keyboard, it now more reliably appears and disappears as required.
- The CAPS LOCK setting on the soft keyboard is now respected.
- **Store key available when in tracking mode:** When the connected instrument is set to tracking mode, the **Store** softkey is now available to enable faster storage of measured points. In Trimble Access 2018.00, only the **Measure** softkey was available when in tracking mode.
- **SX10 zoom in video screen:** Now when you tap the zoom indicator in the **Video** screen, the zoom level changes but the Trimble SX10 scanning total station does not also turn.
- **SDE database error when viewing an SX10 scan:** You will no longer see an "SDE error cannot open database: Invalid project file" message when you attempt to view a scan from a Trimble SX10 scanning total station that was created by a different Windows user. RWCX files now allow read/write permissions for all users.
- **Residuals now sorted by absolute values:** Now when viewing residuals information, residual values are sorted by absolute values, so that the largest errors appear at the top of the list, regardless of whether they are positive or negative values. This is consistent with previous versions of Trimble Access.
- **Current position in road cross section view:** We have fixed an issue where the software was slow to update your current position when surveying a road by measuring your position relative to the road or relative to a string.
- **Site calibration prefix/suffix option:** We have fixed an issue where setting either a prefix or a suffix for the names of site calibration points was not always respected.
- **Software prompts restored:**
 - When you exit the software during a GNSS survey, the software now asks whether to power down the connected GNSS receiver.
 - When you start an RTK survey and enter the NTRIP username and password for the selected RTK source, the software now asks whether to update the GNSS contact with the details you have entered. This restores functionality that has been missing since Trimble Access version 2017.00.
- **Inconsistencies in user interface:** We have fixed several inconsistencies where changing values or settings in one screen did not update information in another screen, for example where editing a value in the right side of the **Review job** screen did not always update the value on the left side of the **Review job** screen, or where the list of items selected for stakeout worked differently depending on whether the items were selected in the map or using the menu.
- **Application errors:** We have fixed several issues that caused application errors when using or closing the software. In particular:
 - The software now indicates you must open a project and a job if you attempt to navigate to a point, start a GNSS survey, or store a position when there is no open project and job. You can still tap  and navigate to the **Instrument** menu without first opening a project and job, if required.

Installation information

To install Trimble Access 2018.10 onto a supported controller you must have Trimble Installation Manager installed on the controller and a Trimble Access software maintenance agreement valid up to **1 August 2018**.

Don't have a current license? You can still try out the software

We have made it easier for you to try out the latest version of Trimble Access. You can use Trimble Installation Manager to create a limited demonstration license and then install Trimble Access 2018.10 onto any Windows 10 computer. Demonstration licenses are limited to adding 30 points per job, however large jobs created elsewhere can be opened and reviewed. Demonstration licenses allow connections to GNSS receivers and total stations for the first 30 days. After 30 days you can only "connect" to the GNSS emulator and manual instruments.

NOTE – You can only create a demonstration license for Trimble Access on devices that do not already have a Trimble Access license.

For more information, refer to the topic **To try out software** in the [Trimble Installation Manager Help](#).

Supported controllers

The Trimble Access software runs on the following controllers:

- Trimble TSC7 controller
- Trimble T10 tablet
- Supported third-party tablets

For more information on supported third-party tablets, go to <https://geospatial.trimble.com/product-and-solutions/access> and click **Downloads** to download the **Trimble Access for Windows Minimum Requirements** bulletin.

NOTE – On Windows devices, Microsoft always recommends using the latest Windows operating system. **Windows 10 version 1803** (released April 2018) resolves a number of issues and should be the minimum version of Windows installed to the controller.

To install the software

To download and install Trimble Installation Manager, connect the controller to the internet, and then go to www.trimble.com/tim.

To run Trimble Installation Manager on the controller, tap the **Search** icon in the Windows task bar and enter **Install**. Tap Trimble Installation Manager in the search results to open the Trimble Installation Manager. When you run the software, it updates itself automatically with the latest changes and software releases.

If you have existing Trimble Access data files on an old controller, you can copy them from the old controller to the **C:\Trimble Access Install upload folders** folder on the new controller and use Trimble Installation Manager to convert the files to the latest file formats and transfer them to the appropriate Trimble Data folders on the new controller.

For more information refer to the [Trimble Installation Manager Help](#).

To upgrade to a TSC7 from an older controller

To upgrade from an older controller to a new TSC7, you can relinquish your Trimble Access software license from an older controller that has current software maintenance and after your distributor has reassigned the licenses to your new controller, you can install Trimble Access to the new controller using Trimble Installation Manager. You can also use Trimble Installation Manager to convert data files copied from your old controller to the Trimble Access 2018.10 file versions and install them to the TSC7.

For more information, refer to the topic **To relinquish software licenses** in the [Trimble Installation Manager Help](#).

Updating office software

When you upgrade to version 2018.10, you may also need to use Trimble Installation Manager to update your office software so that you can import your Trimble Access jobs. If you use:

- Trimble Business Center, you do not need to use Trimble Installation Manager as all required updates are handled using the Check for updates utility provided with Trimble Business Center.
- Other office software such as Trimble Link™ to convert job files to other file formats, install the Trimble Installation Manager onto the computer where Trimble Link is installed and then run Trimble Installation Manager to install office updates.

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, the TSIP software is installed on your controller. Each time you start the Trimble Access software, the Trimble Access log file 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 choose not to participate in the Trimble Solution Improvement Program by uninstalling the TSIP software. To do this, go to the Windows *Add or Remove programs* function on your controller and remove the TSIP software.

For more information, go to www.trimble.com/survey/solution_improvement_program.aspx.

Supported equipment

Trimble Access software version 2018.10 communicates best with the software and hardware products shown below. For best performance, hardware should always have the latest available firmware installed. For more information on recent software and firmware versions, refer to the [Trimble Geospatial Software and Firmware Latest Releases document](#).

Trimble office software

- Trimble Business Center
- Trimble Sync Manager

Trimble receivers

- Trimble R10, R10-2
- Trimble R9s
- Trimble R8s
- Trimble NetR9 Geospatial
- Trimble R8-3, R8-4
- Trimble R7
- Trimble R6-3, R6-4
- Trimble R5
- Trimble R4-2, R4-3
- Spectra Precision SP80/SP60
- Trimble R2

Trimble instruments

- Trimble SX10 scanning total station
- Trimble S5/S7/S9 total station
- Trimble S8 total station
- Trimble S6 total station
- Trimble S3 total station
- Trimble VX Spatial Station
- Trimble C3 total station
- Trimble C5 total station
- Spectra Precision FOCUS 30 total station

NOTE – Trimble Access 2018.10 does not run onboard the Trimble C3, C5 or FOCUS 30/35 total stations. To use one of these instruments, you must connect it to a separate controller running Trimble Access 2018.10.

For more information

To view the *Trimble Access Help* on the controller, press the  key on the keypad or tap  in the Trimble Access software and then select **Help**.

To view the *Trimble Access Help Portal* from any computer, go to <https://help.trimblegeospatial.com/TrimbleAccess>.

Legal information

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