Trimble Access

Version 2025.20 Release Notes

This release of the Trimble® Access™ software includes the following changes.

New features and enhancements

Simplified project-centric workflows

Trimble Access 2025.20 brings a simplified approach to managing projects and data by creating a more project-centric system. At the heart of this update is the ability to configure the Coordinate System, Units and Feature Library settings for projects. The new **Project data** page provides a convenient central location for managing all files shared across jobs within the project. This update makes project setup, job creation and design file management easier, promotes consistency, and improves the flow of data between the field, cloud, and office.

Configure job settings at the project level

You can now define the coordinate system, units, and Feature Library settings at the project level, making it easier to create new jobs from the project settings. You can define these settings for projects created in Trimble Connect and then downloaded to the controller, or for projects created in Trimble Access. By default, when you create a job the project settings are used to create the job. This ensures project-wide consistency and minimizes setup errors. If needed you can still create jobs from templates or from JobXML or DC files.

Project data management

There are a range of improvements have been made to help manage project data:

- The **New project** workflow in Trimble Access now includes a step to easily add files to the project from Trimble Connect, a local folder or another location on the controller.
- When you open a project, the project screen now shows the **Jobs** page listing the jobs in the project, and the new **Project data** page, where you can easily manage the design files available for use with jobs in the project. Tap **Add** to add files from Trimble Connect, a local folder or another location on the controller. Tap ⊗ to hide files when you don't need them and to tidy up the project data list.
- In the **Layer manager**, the **Point files** and **Map files** tabs are now consolidated into a single **Project data** tab. Use the **Project data** tab to select the project data files to use with the open job and to control whether data in the file is selectable.
- Files tagged in Trimble Connect with **TrimbleAccess.ProjectFile** are now automatically downloaded to the controller for all users in a project, streamlining office-to-field workflows.
- All files added to the **Project data** page from Trimble Connect are kept up to date so long as you are signed in to Trimble Access.
- Local files on the **Project data** page can now be uploaded by tapping the upload icon giving you direct manual control to upload project files to the cloud when you're ready. This has replaced the **Upload linked files** setting.

- Topographical surfaces created in Trimble Access (TTM files) are now uploaded to the cloud with the rest of the project and can be viewed in the Trimble Connect Field Data extension.

Job workflow improvements

We have improved the software behavior when updating job status and uploading job data to the cloud so that updates are more visible and intuitive:

- **Automated status updates**

  The status of a job is now automatically set to **In progress** when you start a survey, and when the job is in a cloud project the job is automatically uploaded to the cloud so that it is visible in the Trimble Connect Field Data extension.

- **Interactive status control**

  You can now change the status of a job (for example, to **In progress** or **Fieldwork complete**) by tapping the job status icon next to the job name in the **Jobs** page.

- **New Closed status**

  Once the job status is set to **Closed** in the Trimble Connect Field Data extension, Trimble Access asks for permission to delete the job from the controller. This helps to free up storage space on your device.

Job filter improvements

We have simplified the filters available in the **Jobs** page and improved performance when filtering the list of jobs in a cloud project that has a large number of jobs. Select from the following filters:

- **Cloud jobs: All** displays all jobs in the cloud.
- **Cloud jobs: Assigned to me** displays only cloud jobs assigned to the signed in user.
- **Cloud jobs: Status closed** displays all jobs in the cloud that have a status of **Closed**.

Enhanced GNSS tracking with GeoLock

We have added an enhanced target lock mode called **GeoLock**™, which is GNSS-assisted Autolock®. **GeoLock** replaces **GPS Search** and is available with all Autolock-enabled instruments. **GeoLock** significantly improves the instrument's active target tracking, boosting your productivity. Key features are:

- **Easier target reacquisition**: The redesigned **Target control settings** page makes regaining lock to your target even easier, regardless of the environment you are working in.
- **Predictive tracking**: When lock is lost, the instrument continues turning at a similar velocity, allowing Autolock to automatically snap back to your target. In situations when predictive tracking does not lock back onto the target, select a suitable automatic behavior:
  - **Track GNSS**: For integrated surveys using a receiver with excellent GNSS positions, the instrument turns directly to your location and locks on to the target. In many environments, this also works well with lower quality GNSS positions.
  - **Search**: GeoLock turns to your GNSS location and then automatically performs a search. Trimble Access monitors the position's precisions and only turns vertically when the vertical precisions are good.
  - **Show video/joystick**: The instrument turns to your GNSS location, then displays video and the joystick screen for finer control. This is useful in tough GNSS environments, such as when working

among trees. You can also access the **Search** options directly from the **Joystick** screen. When lock is regained the **Video**/**Joystick** screen automatically closes.

Resection options for point usage

The new **Usage** group box in the **Point details** screen provides an easier way to manage points in the resection solution. The new **Observation use** field lets you decide whether the point is used in the calculation. Select from **Let resection decide**, **Enabled**, or **Disabled**.

User experience improvements

- The **Jobs** tab now loads much faster and is more responsive for cloud projects that contain thousands of jobs.
- Trimble Access is now much more responsive when working in cloud projects that contain thousands of jobs and **Automatically upload the current project** is enabled.
- When adding project data to the **Layer manager**, the default location in the Trimble Access file browser is now always the last used location. In previous versions Trimble Connect was the default location whenever you were signed in.
- To reduce clutter, the **Scans** and **Inspections** tabs in the **Layer manager** are now shown only when scans or inspections have been created in the job.
- The software no longer restarts when you enable or disable **Dark mode** in the **Map settings** screen.
- To optimize radio bandwidth, the video feed from a Trimble S Series total station is now paused when not being used.

Auto attributes in feature library files

Trimble Access 2025.20 adds support for auto attributes added to feature types in feature library files created using the Feature Definition Manager.

When measuring or working with features in jobs, auto attributes assigned to that feature type are automatically filled with data from the measured point or calculated data. Available auto attributes are:

- Points: **Northing**, **Easting**, **Height**, **Latitude**, **Longitude**, **Elevation**
- Lines: **Length**
- Polygons: **Perimeter**, **Area**

These attributes are read-only in Trimble Access and Trimble Business Center. Values are recalculated if a point or feature is changed.

Use one code for points and lines

You can now use the same code for both point and line/polygon features.

For example, instead of using two codes for a pipe (PIPE_JNT for the point and PIPE_L for the linework), you can now use one code (PIPE) for both.

How it works:

- **In the feature library**: Set up two codes with the same code name (for example, PIPE), one as a point feature (with its symbol and attributes), and the other as a line feature (with its line type and attributes).
- **In the field**: When you use that code, you'll be prompted for the point features first, then the line features. The correct symbols and line types are applied automatically. This change means a simpler code library and faster, more intuitive field collection.

New Surface frame scan method

Trimble Access 2025.20 adds the new **Surface** framing method when scanning using an Trimble SX10 or SX12 scanning total station. This method allows you to select a surface from a design, such as a BIM model, and have the software compute a scan frame that covers that entire surface.

To define the frame area using a surface, you must select the surface in the map. In the **Scanning** screen select **Surface** as the framing method and then tap the **Select surface** softkey to use the surface you have selected in the map. If needed you can specify an **Inflation factor** to inflate the scan frame beyond the edges of the design surface.

Measure design elevation

You can now measure a design elevation directly from a physical point or reference, such as a line on a wall. This provides a precise and efficient alternative to manually typing the elevation, which is especially useful for building construction projects. This option is available when using a Total Station in DR and Prism mode or with a GNSS receiver.

Editing polylines and polygons from items in a linked file or background map

When editing a single polyline or polygon in a linked file or Web Feature Service, the selected polyline or polygon is now automatically copied into the job. In Trimble Access 2025.10 you always had to copy the polyline or polygon using the **Create from selection** option from the tap and hold menu before you could edit it.

The **Create from selection** option is still available for copying items into the job when you have selected multiple points, polylines, and polygons from a linked file or Web Feature Service in the map.

Enhanced linework creation

Trimble Access 2025.20 provides greater flexibility when creating feature coded linework using the **Store polylines with codes on lines** option.

- Now you can create polylines and polygons with codes stored directly on the lines whenever you are using feature codes, including when using **Measure points** and **Measure topo**.
- If you will use only existing points to create lines or polygons then you can use **Measure codes** without needing to connect to an instrument or GNSS receiver and start a survey. Select a survey style (which will not be used unless you measure a new point) and then start **Measure codes**. As long as you are using line or polygon codes you can select existing points to create linework. Trimble recommends disabling the **Single tap to measure** setting in the **Measure code options** screen so that you can more easily select multiple existing points.

This new **Store polylines with codes on lines** option was introduced in Trimble Access version 2025.10 for **Measure codes**, and allows for easier creation and modification of polylines and polygons using both existing and newly measured points. Points can be inserted effortlessly, making it ideal for workflows like cadastral surveys where points may be measured out of order.

For those who prefer the traditional approach, the **Create feature coded linework with codes on points** option is still available.

Both methods generate rich point symbols and linework defined in the FXL both in the field and in Trimble Business Center. You can configure your Feature code library to suit your preferred workflow using Trimble Access or the Feature Definition Manager.

Key benefits of **Store polylines with codes on lines**:

- **Flexible point order**: Measure points in any order, then easily define lines.
- **Easy editing**: Insert or remove points from polylines and polygons with ease.

- **Linework stored in the job**: Polylines and polygons are stored directly in the job.
- **Streamlined cadastral workflows**: Efficiently create parcel polygons.

Tips for **Store polylines with codes on lines**:

- Tap **New line** to start a new polyline. The yellow highlight indicates the current polyline.
- Tap the yellow linework to highlight it in blue for editing. Then tap a point and use **Insert point** or **Remove point** from the tap-and-hold menu.
- Use **Next** or **Prev** to switch between polylines.

Dependent adjustments for Norwegian cadastral tolerance checking

When performing cadastral tolerance checking, Trimble Access calculates blunder detection as an **independent** adjustment, which meets current Norwegian cadastral regulations for GNSS measurements. In Trimble Access 2025.20 it is now possible to calculate a **dependent** adjustment if needed.

A **dependent** adjustment provides more flexibility where measurements or points are not fully independent and are linked to other measurements or to other established data points. To set the adjustment from independent to dependent, add **independent="false"** to the end of the **Tolerances** line in the **CadastralTolerances.xml** file.

For more information, see the topic **Norwegian cadastral XML file setup** in the *Trimble Access Help*.

New Bathylogger BL200 & BL700 echo sounder configuration file

The new **Bathylogger BL200** ESD configuration file enables you to connect the Trimble Access software to Bathylogger BL200 and BL700 devices. For more information, go to bathylogger.com/support/.

This stylesheet is installed to the **Trimble Data** / **System Files** folder on the controller with the software. You can also download it from the Download configuration files page.

RTCM coordinate system messages

Trimble Access now supports reading the coordinate reference system (CRS) of the RTK base station from RTCM v3.4 type 1300 and 1302 messages if they are transmitted from the base. A warning message will be displayed if the global reference frame of the current job is not the same as the service CRS received in these RTCM message types. This feature is supported for controller internet connections only.

Scale ground coordinates from 0,0

When setting up a coordinate system for the project or job, the new **Scale from** field now appears in the **Select coordinate system** screen when you select one of the **Ground** options from the **Coordinates** field.

Use the **Scale from** field to select the point from which the job will be scaled:

- Select the **Project location** option to scale everything in the job from the **Project location**. The **Project location** itself is not scaled.
- Choose the **Grid (0,0)** option to scale everything in the job (including the **Project location**) from the 0,0 coordinate.

Coordinate System Database updates

The Trimble Coordinate System Database installed with Trimble Access includes the following enhancements:

- Added support for ETRS89-DREF91(R25), used in Germany
- Added the beta version of US SPS 2022

- Added support for NGD2012, used in Nigeria
- Added support for all CR-SIRGAS at epoch 2014.59, used in Costa Rica
- Updated the displacement model for Mexico
- Updated the displacement model for REDGEOMIN, used in the mining industry in Chile
- Added support for SRGI2013, used in Indonesia
- Added support for REGPMOC, used in Peru
- Added support for SIRGAS-ES2007.8, used in El Salvador
- Added support for LKS2020, used in Latvia
- Added support for SIRGAS-Chile 2025, used in Chile
- Added support for CSRN2025, used in California

Trimble Access software now available in Vietnamese

You can now view the Trimble Access software in Vietnamese. To be able to select **Vietnamese** in the **Select language** screen of the Trimble Access software, you must install the Vietnamese language files using Trimble Installation Manager.

Updated voice messages

Trimble Access now provides voice messages in the following languages:

- Italian, Polish, Portuguese, Romanian, Thai, Vietnamese

We have also updated voice messages in the following languages:

- English, Simplified Chinese, Traditional Chinese, French, German, Korean, Swedish

Hardware support

Trimble TSC510 controller

Trimble Access 2025.20 supports the new Trimble TSC510 controller. The TSC510 is powered by the Android operating system, and has a 5" touchscreen, built-in alpha-numeric keyboard, integrated Wi-Fi, Bluetooth® wireless technology, and worldwide 5G LTE Cellular WWAN connectivity (data only).

Trimble TSC710 controller

Trimble Access 2025.20 supports the new Trimble TSC710 controller. The TSC710 is powered by the Android operating system, and has a 7" touchscreen, built-in alpha-numeric keyboard, integrated Wi-Fi, Bluetooth® wireless technology, and worldwide 5G LTE Cellular WWAN connectivity (data only).

Trimble T110 tablet

Trimble Access 2025.20 supports the new Trimble T110 tablet. The T110 is powered by the Windows operating system, and has a 10" touchscreen, integrated Wi-Fi, Bluetooth® wireless technology, camera, and 1TB storage.

Trimble R750-2 GNSS receiver

Trimble Access 2025.20 supports the new Trimble R750 model 2 GNSS receiver (the "Trimble R750-2").

Trimble Mini prism

Trimble Access 2025.20 supports the new Trimble Mini prism.

Resolved issues

- **Eject USB**: If the software asked to "Eject USB device?", when you tapped **Yes** the software sometimes reported an error.
- **Export to top-level folder**: You can now export to the top level folder of a drive, such as a USB drive.
- **Exporting to DXF**: We have fixed the following issues:
    - Improved the positioning of text alongside points and lines when exporting to DXF, especially where the job uses International feet or US Survey feet.
    - When exporting from a job using a feature library file with the **Store polylines with codes on lines** option selected, the exported lines did not have the assigned color or layer from Trimble Access.
- **Exporting to NZ Fieldbook report (Word)**: We have resolved an issue with the reported GNSS receiver details when exporting to the NZ Fieldbook report format in Word. The updated stylesheet is available from the Download stylesheets page.
- **ESRI Shapefile export**: We have fixed the following issues:
    - Extended menu attributes, which allow more than one attribute value to be selected, were missing from an exported Shapefile.
    - EUREF-DK15 (used in Denmark) is now associated with ETRS89 (EPSG code 4258) during Shapefile export.
- **Extended attributes for lines and polygons**: We have fixed an issue where extended menu attribute data was not always correctly propagated along the line or polygon being measured.
- **Job repair wizard**: We have removed the **Skip** copy option from the Job repair wizard. This change ensures that a copy is always taken of the job before beginning the repair.
- **Overwriting an existing IFC point**: We have fixed an issue when creating a point from an existing point in an IFC file, where if you chose to overwrite the existing point, the existing point was deleted but the new point was not given the same name as the deleted point.
- **Missing IFC properties**: Trimble Access now supports the display of integer, boolean and logical property type attributes in IFC files.
- **Taped distances**: We have fixed the following issues:
    - If you selected two points in the map and then opened the **Taped distances** screen the **Start elevation** and **End elevation** could not be set.
    - The length between two existing points was not calculated if the **Elevation** for the points was not set.
- **Distance along alignment**: We have fixed an issue where the **Distance along Alignment** delta was incorrectly displaying a station or chainage value. This delta has been updated to now correctly display a slope distance based on the job unit settings from the start of the alignment.
- **Elevation offset from alignment**: We have improved an issue when keying in a point relative to a station and offset of an RXL alignment with vertical geometry, where you can now enter an elevation if you are offset from the alignment.

- **Continuous topo in GNSS survey**: We have fixed an issue reported in Trimble Access 2025.10, where if you attempted to measure additional distance-based continuous topo measurements after enabling or disabling IMU tilt compensation during the GNSS survey the software did not allow the measurements to be stored.
- **Horizontal tilt offset**: We have fixed an issue when measuring a horizontal tilt offset point where the software would occasionally store points before the system had all the required data, which resulted in points which had no coordinates. The software now waits for all details to be available before it will store these points.
- **NTRIP global reference frame**: We have fixed an issue where Trimble Access sometimes warned "Global reference frame of NTRIP mount point differs from current job" when the global reference frame settings for the job and the mount point appeared to be the same.
- **SX point cloud color by elevation**: We have fixed an issue where if the point cloud color mode was **Color By Elevation** but the minimum and maximum elevation fields were left blank then the elevation gradient was shown only in the map but not in the video feed from the SX instrument.
- **Instrument collimation report**: We have resolved an issue where the Instrument collimation report was not correctly checking whether collimation values in the instrument had changed between instrument setups. This stylesheet is now installed to the **Trimble Data** / (missing or bad snippet) folder on the controller with the software. The updated stylesheet is also available from the Download stylesheets page.
- **WMS sample data**: We have resolved an issue where the job containing WMS sample data reported the data was unavailable. The updated job and WMS data is now available from the Download sample datasets page.
- **Survey Basic**: When calculating the inverse between two points without starting a survey, the software now calculates the azimuth. Previously the software calculated the azimuth only when in a survey.
- **Application errors**: We have fixed several issues that caused occasional application errors when using or closing the software. In particular:
    - On an Android controller when connected to a device and the Trimble Access software was running in the background (as when copying data onto the controller using a USB cable for example).
    - After canceling or exiting a connection to an NTRIP caster or other internet RTK server while the connection was being made.
    - When performing a resection during an integrated survey.
    - When measuring rounds.
    - When scanning using a horizontal band, full dome or half dome frame.
    - When using control codes to join points where the feature code includes a timestamp attribute.

Roads

Enhancements

Strings and surfaces now support station equations

The Strings and surfaces workflow now supports files that have station equations, for when the horizontal alignment has changed but you wish to retain the original station values.

Enhancements for 12da files

- Hatched polygons in linked 12da files are now supported in Trimble Access. To show hatched polygons in the map, tap ⋮ in the map toolbar, select **Settings** and select the **Hatch polygons** check box in the **Display** group.
- Constant height values for lines and points in 12da files are now supported.
- Alignments in linked 12da files no longer have a number added to the end of the string name. String names continue to use sequential suffixes.

Clothoid definition enhancement

Trimble Access Roads now provides more flexibility for defining a clothoid spiral. In addition to using the transition **Length**, the software now supports the **A parameter**, providing an alternative method to define the spiral's geometry. The functionality is available for both the **Points of Intersection (PI)** and **Length** entry methods.

Korean Clothoid

Trimble Access Roads now supports the Korean Clothoid method, which uses separate surveying and construction centerlines to achieve linear concentric stationing. This update enables the import and definition of road alignments from .RXL files generated by GeoTurvo, a regional software developed by Geosystems Korea.

To define the horizontal alignment, select the **Points of Intersection (PI)** entry method and the **Korean Clothoid** transition type. Input the **Northing** and **Easting** of the **PI**. Then, select the **Transition**|**Arc**|**Transition** curve type and specify the **Construction centerline transition lengths** and **Construction centerline radius** using the current fields.

The vertical alignment start point can be defined either by the Distance from the start of the horizontal alignment or by the station of the Vertical Intersection Point (VPI).

Resolved issues

- **Stations on string**: When staking stations on a string, Trimble Access now remembers the last station when staking out additional points.
- **Elevation offset from alignment**: We have improved an issue when keying in a point relative to a station and offset of an RXL alignment with vertical geometry, where you can now enter an elevation if you are offset from the alignment.
- **12da surfaces**: We have fixed an issue where the **Slope distance** delta sometimes showed **?** for surfaces in a 12da file.
- **12da null values**: Null elevations are now shown as **?** instead of sometimes shown as **0.0**.

Tunnels

Enhancements

Improved map-based workflows

We have enhanced the workflow in Trimble Access Tunnels to provide quick access to survey workflows. Previously, the map view was limited to stakeout workflows. You can now directly access the following workflows from the map:

- Auto Scan
- Position in Tunnel
- Setout
- Stakeout
- Machine Positioning

New Tunnel profile field report

The new **Tunnel profile field report** includes a tunnel profile plot, station delta values, and a list of scanned points at each profile with their underbreak/overbreak, as well as a summary of general tunnel information, tolerance settings, cross-sections, and calculations for each profile.

When you export the report you must select the Tunnel XML file that defines the tunnel alignment and design profiles used. The design profile will be displayed in the profile plot along with the scanned points. Options are available to control the presentation of the profile plots.

This stylesheet is installed to the **Trimble Data** / **System Files** folder on the controller with the software. You can also download it from the Download stylesheets page.

Korean Clothoid

Trimble Access Tunnels now supports the Korean Clothoid method, which uses separate surveying and construction centerlines to achieve linear concentric stationing. This update enables the import and definition of tunnel alignments from .TXL files generated by GeoTurvo, a regional software developed by Geosystems Korea.

To define the horizontal alignment, select the **Points of Intersection (PI)** entry method and the **Korean Clothoid** transition type. Input the **Northing** and **Easting** of the **PI**. Then, select the **Transition**|**Arc**|**Transition** curve type and specify the **Construction centerline transition lengths** and **Construction centerline radius** using the current fields.

The vertical alignment start point can be defined either by the Distance from the start of the horizontal alignment or by the station of the Vertical Intersection Point (VPI).

Resolved issues

- **Map toolbar**: We have fixed an issue after starting stakeout of the tunnel where occasionally the map toolbar appeared frozen and tapping the toolbar buttons had no affect.
- **Application errors**: We have fixed several issues that caused occasional application errors when using or closing the software. In particular:
    - When defining a new horizontal alignment.

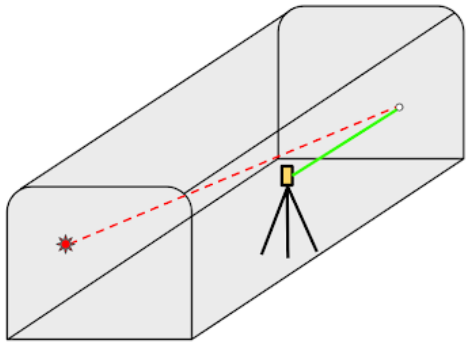
Mines

New features

Auto stake wall laser workflow for optimized wall laser placement

For enhanced precision in guiding drilling equipment, Trimble Access Mines now includes a new **Auto stake wall laser** workflow. This feature calculates the optimal laser position, which the drill crew can then use as a reference to mark the working face.

This optimized solution allows for the longest possible laser setup, maximizing the number of supported cuts and reducing the frequency of new setups.



To use the new workflow:

1. In the map, select the mine centerline and tap **Auto stakeout** / **Wall laser** and then select the wall design.
2. Aim the instrument laser at the desired mount point, select how the grade is calculated, and aim to the working rock face.

   The software will calculate the manual solution, shown as a ***dashed*** green line on the map.
3. To calculate the optimal laser solution using a wall laser offset, Tap **Snap to best**. The optimal solution is shown as a ***solid*** green line on the map screen.

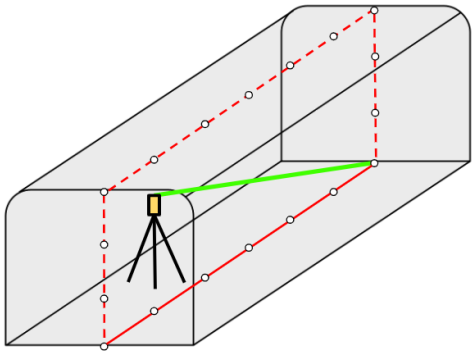
Once the laser is installed, three measurements are stored: the laser mount point, the intersection of the laser with the rock face, and the projected end of the laser. The stored measurements can be used in the office to produce survey memos and offset sheets, allowing mining work to continue for the maximum number of cuts without additional surveyor assistance.

For more information, see the topic **To auto stake wall lasers** in the *Trimble Access Help*.

Enhancements

Auto stake centerline

We have redesigned the **Auto stake centerline** feature so that Trimble Access Mines now automatically stakes out the centerline along all mine surfaces.



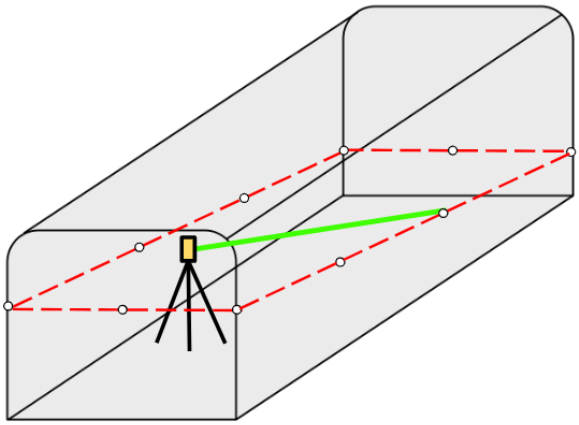
Previously the software staked out the centerline only along the mine roof.

During auto stakeout, the software leads you through the measurement process, prompting you to aim the laser pointer to each mine surface so that it can project the centerline to the mine face for marking. By default, the stakeout will begin at the mine rear face, and continue in this order: roof, front face, floor. To reverse the stakeout order, tap the **Reverse** softkey. This setting is remembered if you repeat the stakeout of the line. The auto stake center line workflow now also displays stake out deltas during the auto stake workflow.

For more information, see the topic **To auto stake a centerline** in the *Trimble Access Help*.

Auto stake gradeline

We have redesigned the **Auto stake gradeline** feature so that Trimble Access Mines now automatically stakes out the gradeline along all mine surfaces.



Previously the software staked out the gradeline along a single mine wall only.

During auto stakeout, the software leads you through the measurement process, prompting you to aim the laser pointer to each mine surface so that it can project the gradeline to the mine face for marking. By default, the stakeout will begin at the left face, and continue in this order: front face, right face, rear. To reverse the stakeout order, tap the **Reverse** softkey. This setting is remembered if you repeat the stakeout of the line.

The Auto stake gradeline workflow includes the following enhancements:

- **Polyline support**: The workflow now supports the selection of polylines, enabling you to select and stake out line work directly from your design.
- **Grade change detection**: The new workflow detects changes in grade, automatically stopping and measuring for a more accurate stakeout.
- **Stakeout deltas**: The auto stake form now displays the grade and stake out deltas, including two new fields, **Center line offset** and **Height above center line**.

For more information, see the topic **To auto stake a grade line** in the *Trimble Access Help*.

Auto stake laser lines

When staking laser lines, you can now select **Alternating Stakeout order**. By selecting this option in the settings form, the laser lines will be staked out in a zig zag order, alternating from one wall to another, rather than the default stakeout order along one wall and then along the other wall.

For more information, see the topic **To auto stake laser lines** in the *Trimble Access Help*.

Resolved issues

- **Auto stake interval length**: We have fixed an issue where small variations in interval length caused incorrect point generation. When calculating intervals, the software now uses a minimum spacing of 30% of the interval length between points (for example, 1.5m for a 5m interval). This fix applies to auto-staking a centerline, grade line, and laser lines.
- **Skew offset**: We have fixed the following issues when staking at a skew offset:
    - The skew offset reference line was not updated in the map when changing the station by pressing the **Sta+** or **Sta-** softkeys, keying in a different station, or selecting a station from the list in the **Stake out line** or **Stake out arc** form.
    - The skew offset reference line remained on the map if you changed the stakeout method to **Station/offset from line** during stakeout.
- **Current position icon**: We have fixed an issue where the icon showing the current position was not always updating correctly in the map.
- **Map toolbar**: We have fixed an issue after starting auto stakeout where occasionally the map toolbar appeared frozen and tapping the toolbar buttons had no affect.

Supported equipment

Trimble Access software version 2025.20 communicates best with the software and hardware products listed below.

NOTE – 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.

Supported controllers

Windows devices

The Trimble Access software runs on the following Windows® 64-bit devices:

- Trimble TSC7 controller
- Trimble T110, T100, T10x, T10 and T7 tablet
- Supported third-party tablets

For more information on supported third-party tablets, refer to the support bulletin **Trimble Access on 64-bit Windows 10 & 11**, which can be downloaded from the Support bulletins page in the **Trimble Access Help Portal**.

Android devices

The Trimble Access software runs on the following Android™ devices:

- Trimble TSC710 controller
- Trimble TSC510 controller
- Trimble TSC5 controller
- Trimble TDC6 handheld data collector
- Trimble TDC600 handheld data collector
- Trimble TDC650 handheld GNSS receiver (only with Trimble Access subscription)
- Trimble TCU5 controller

TIP – Trimble Access is designed to be used in **Portrait mode** or in **Landscape mode** on the **TDC6 and TDC600 handheld**. There are small differences in the UI to accommodate the portrait screen and the Android operating system. For more information, see the topic **The Trimble Access workspace** in the *Trimble Access Help*.

NOTE – The **Trimble TDC650 handheld GNSS receiver** can only be used with Trimble Access subscriptions - it cannot be used with Trimble Access perpetual licenses. The TDC650 is designed for GNSS-only surveying and does not support connections to total stations. Trimble Access apps that require conventional surveys cannot be used on the TDC650. These include Trimble Access Tunnels, Mines, and Monitoring. For more information on using the TDC650 with Trimble Access, refer to the **Supported GNSS receivers** section below.

Supported conventional instruments

Conventional instruments that can be connected to the controller running Trimble Access are:

- Trimble scanning total stations: SX12, SX10
- Trimble VX™ spatial station
- Trimble S Series total stations: S8/S6/S3 and S9/S7/S5
- Trimble mechanical total stations: C5, C3, M3, M1
- Trimble SPS Series total stations
- Trimble RTS Series total stations
- Spectra® Geospatial total stations: FOCUS® 50/35/30
- Supported third-party total stations

The functionality available in the Trimble Access software depends on the model and firmware version of the connected instrument. Trimble recommends updating the instrument to the latest available firmware to use this version of Trimble Access.

NOTE – You can connect to a Trimble SX10 or SX12 scanning total station from the TSC5 controller, the TDC600 model 2 handheld and the TDC6 handheld. However, connections to a Trimble SX10 or SX12 scanning total station are not supported when using the TCU5 controller or the TDC600 model 1 handheld.

Supported GNSS receivers

GNSS receivers that can be connected to the controller running Trimble Access are:

- Trimble R series integrated GNSS surveying systems:
  - With a built-in inertial measurement unit (IMU): R980, R780, R12i
  - With a built-in magnetometer tilt sensor: R12, R10
  - Other R series integrated GNSS receivers: R580, R8s, R8, R6, R4, R2
- Trimble Catalyst™ GNSS positioning service receiver: DA2
- Trimble modular GNSS surveying systems: R750, R9s, NetR9 Geospatial, R7, R5
- Trimble SPS Series GNSS Smart Antennas: SPS986, SPS985, SPS985L, SPS785, SPS585
- Trimble SPS Series GNSS modular receivers: SPS85x
- Trimble Alloy GNSS Reference Receiver
- Trimble TDC650 handheld GNSS receiver
- Spectra Geospatial integrated GNSS receiver with a built-in inertial measurement unit (IMU): SP100
- Spectra Geospatial integrated GNSS receivers: SP85, SP80, SP60
- Spectra Geospatial modular GNSS receivers: SP90m
- FAZA2 GNSS receiver
- S-Max GEO receiver

NOTE –

- To use a **TrimbleDA2 GNSS receiver** with Trimble Access you must have a supported Catalyst subscription and you must be signed in. To view the types of licenses assigned to you or to the controller, tap ☰ and select **About**. For more information, see the topic **Installing Trimble Access** in the *Trimble Access Help*.
- As noted in the **Supported controllers** section above, the **Trimble TDC650 handheld GNSS receiver** can only be used with Trimble Access subscriptions, not perpetual licenses. When used with Trimble Access, the TDC650:
  - Can connect to an external antenna such as the Trimble Zephyr 3 antenna but cannot connect to another GNSS receiver.
  - Can connect to other survey equipment such as an echo sounder or laser rangefinder.
  - Can be used as a GNSS RTK solution only, providing accuracy at the following levels:
    - Centimeter accuracy - Horizontal: 10mm, Vertical: 15mm
    - Decimeter accuracy - Horizontal: 70mm, Vertical: 20mm
    - Sub-meter accuracy - Horizontal: 300mm, Vertical: 300mm
  - Cannot be used with RTX and cannot be used for postprocessing.
  - Does not support camera-based eLevel.
- When using a Spectra Geospatial SP90m, SP85, SP80 or SP60 receiver, not all functionality in the Trimble Access software is available. For more information, refer to the support bulletin **Spectra Geospatial receiver support in Trimble Access**, which can be downloaded from the Support bulletins page in the **Trimble Access Help Portal**.

Installation information

License requirements

To install Trimble Access 2025.20, licenses are required for the General Survey app as well as for each Trimble Access app you want to use.

- **Perpetual licenses**

  Perpetual licenses are licensed to the controller. The controller must have a Trimble Access Software Maintenance Agreement valid up to **1 December 2025**.

- **Subscriptions**

  Subscription licenses are assigned to an individual user. When used with a subscription license, you can install Trimble Access 2025.20 onto any supported controller.

If you have a perpetual licenses on an existing controller but you wish to retire that controller and replace it with a new one, you may be able to relinquish the perpetual Trimble Access license from the existing controller and transfer it to the new one.

For more information, see Software licenses and subscriptions in the **Trimble Access Help Portal**.

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

If you do not have the required licenses you may be able to try out the software for a limited time.

The options are:

- Create a **48-hour license** for Trimble Access if you are not able to sign in and use your subscription or if you have purchased a perpetual license but it has not yet been assigned to your controller.
- Create a **30-day Demonstration license** for Trimble Access if the controller does not have a current perpetual license. This type of temporary license is available on supported Windows and Android controllers.
- Create a **30-day Trial license** for specific Trimble Access apps if the controller has a current perpetual license, but no license for the specific app you want to try. This type of temporary license is available only on supported Windows controllers.

For more information, see Installing a temporary license in the **Trimble Access Help Portal**.

Installing or upgrading Trimble Access

To install the software to your controller, use the appropriate Trimble Installation Manager for your controller operating system:

- Trimble Installation Manager for Windows 
- Trimble Installation Manager for Android 

For more information, see Installing Trimble Access in the **Trimble Access Help Portal**.

> **NOTE –** Job (.job) files created using a previous version of Trimble Access are automatically upgraded when you open them in the latest version of Trimble Access. Once jobs are upgraded they can no longer be opened in a previous version. For more information, see Using existing jobs with the latest version of Trimble Access in the **Trimble Access Help Portal**.

Learning resources

To learn more about Trimble Access software features and how to get the most out of the software, visit the resources below.

Trimble Access Help Portal

The **Trimble Access Help Portal** is part of the *Trimble Field Systems Help Portal* and is available at help.fieldsystems.trimble.com/trimble-access/ and includes the full contents of the on-board *Trimble Access Help* in 14 languages, as well as links to videos available from the Trimble Access YouTube channel.

The **Downloads** area of the **Trimble Access Help Portal** provides links to download useful resources, including:

- Support bulletins
- Software and utilities
- Template files
- Stylesheets
- Sample data
- Release materials (including slide presentations and videos)
- PDF guides

You can view the **Trimble Access Help Portal** from any computer that has an internet connection, without needing to have the Trimble Access software installed. You can also view it from your mobile phone, or from the controller running Trimble Access if you chose not to install the on-board help.

Trimble Access Help

The *Trimble Access Help* is installed with the software when you select the **Language & Help Files** check box in Trimble Installation Manager. To view the installed help, tap ☰ in the Trimble Access software and then select **Help**. The *Trimble Access Help* opens, taking you right to the help topic for the current screen in the Trimble Access software.

Trimble Access YouTube channel

The Trimble Access YouTube channel provides a large number of videos highlighting useful software features. Watch videos on recently added features or take a look at one of the playlists to explore a specific area of the software.

We post new videos regularly, so make sure to click **Subscribe** on the Trimble Access YouTube channel page to get notified when new videos are available.

Trimble Access Apps

The Trimble Access software suite offers surveyors and geospatial professionals a range of specialized field applications designed to make fieldwork easier. With an easy-to-use interface, optimized workflows, and real-time data synchronization, the Trimble Access software suite enables you to accomplish more every day. Improve your competitive edge by selecting the applications that best suit the work that you do.

Trimble Access apps supported on Windows devices

The following Trimble Access apps are supported when running this version of Trimble Access on a supported Windows device:

- Roads
- Tunnels
- Mines
- Land Seismic
- Pipelines

- Power Line
- Katastermodul Deutschland
- Monitoring
- AutoResection
- BathySurvey

Trimble Access apps supported on Android devices

The following Trimble apps are supported when running this version of Trimble Access on a supported Android device:

- Roads
- Tunnels
- Mines
- Pipelines
- Power Line
- Katastermodul Deutschland
- Monitoring
- AutoResection
- AllNAV Rounds

NOTE – Changes to the Trimble Access apps that are supported can change after release. For up to date details, or details on apps supported with previous versions of Trimble Access, refer to the support bulletin **Trimble Access App availability**, which can be downloaded from the Support bulletins page of the Trimble Access Help in the Trimble Field Systems Help Portal.

Legal information

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