



# Trimble Business Center

## Release Notes

Version 5.81

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## Welcome to Trimble Business Center

Trimble Business Center (TBC) provides a complete office software solution for survey and construction professionals. Having the ability to work in a single software environment streamlines operational efficiency while minimizing the costs of data management, software maintenance, and training.

**Important Note!** This version of Trimble Business Center is available to:

- Perpetual license users whose current warranty expiration date is **October 1, 2022** or later. (If your perpetual license warranty expires prior to this date and you proceed with the installation, licensed features will not be available.)
- Subscription license users whose subscription is currently active.

If necessary, you can contact your distributor to purchase a warranty extension or renew your subscription. In the TBC ribbon, select Support > License Manager to view your warranty or subscription expiration date.

## New features

Following are the new features included in this version of Trimble Business Center. To view context-sensitive help at any time while using TBC, press **F1**.

- **IGS20 reference frame support** - TBC supports the latest IGS20 reference frame for using precise orbits when processing baselines.

*Note:* TBC automatically downloads the first version (version 0) of the applicable IGS20 precise orbit data file. If a newer version is available (for example, version 1), you can download it by clicking the Manual button in the Internet Download pane and logging in the IGS website using your own personal login. Then you can import the file using the TBC import dialog or with the drag-and-drop method.

- **DJI Mavic 3 Enterprise Series UAS support** - TBC supports the import and processing of photogrammetry data collected with the DJI Mavic 3 Enterprise Series model M3E UAS using TBC's simple but powerful aerial photogrammetry workflow.
- **Easily run multiple Earthwork Summary reports** - An Apply button has been added to the Earthwork Summary command allowing the command to remain open after running a report so that you can easily continue to run additional Earthwork Summary reports as necessary without having to reopen the command each time.
- **Mobile Mapping enhancements** -
  - **Trajectory Plots** - After computing a SBET with the Process Raw Trajectory Data command, the resulting plots opened only once. The Trajectory Plots feature lets you open the plots without running the command again.

- **GPS Exif attributes** - A new option allows you to add the GPS Exif attributes to the panoramic images when exporting MX9 and MX50 data.
- **Trajectory Settings** - A button has been added to the Trajectory Settings feature to revert the Real-time and Processed trajectories and all RMS color ranges to the default values.

## Bug fixes

The following major bugs **have been fixed** in this version of TBC:

- IFC properties contained in a JOB file did not import into TBC.
- The Register a Mission command icon was missing from the Mobile Mapping ribbon.
- Exporting to TopoDOT was sometimes failing.
- A plan that was printed using the Print Plan Set command could include distorted images and text.
- Deleting a label style could cause an error.
- A WorksManager Work Order would not refresh after the first synchronization.
- When sending designs to WorksManager from TBC, an avoidance zone warning message was displayed even though an avoidance zone was not provided in TBC or WorksManager.
- An error could occur when you deleted a point style using the Label Style Manager.
- JXL files could not be imported from Trimble Access 2022.10.
- Photogrammetry processing failed when a subscription license was being used.
- Superelevations were missing in WorksManager designs published from TBC when using the "Cleanup VCL file" option.
- An error could occur when adding utility nodes to a point table.
- When exporting points with date attributes, the format type defined by the user was not supported.
- When you imported a PDF file and then changed the name to match a Plan Set, the name was not changed in the Project Explorer, where it also incorrectly displayed a PNG file extension.
- Lines with negative elevation nodes were exported to SHP files and File Geodatabases as 0 elevation.
- Assigned COGO parcel names were not centered on parcels by default.
- An error occurred when exporting a zip file in SCS Data Manager 3.18.
- An error could occur when exploding CAD blocks.
- With "Turn on CAD grips" and "Display visual snap indicators" enabled, CAD grips did not always work correctly in the Profile view while editing the vertical alignment.

- A vertical design failed because the source line's vertical (3D) information was stripped, rules were stripped, or the Automatic-Z property was ignored.

## Important notes and known issues

See the TBC Help for a complete, up-to-date list of important notes and known issues related to TBC.

## System requirements

<b>Microsoft operating system:</b>	Windows® 10 (64-bit version) Windows 11 (64-bit version)
<b>Processor:</b>	Dual-core 1.80 GHz or better recommended  Quad-core 2.80 GHz or better (additional cores with hyper-threading support highly recommended for Aerial Photogrammetry, Mobile Mapping, and Scanning modules)  <b>Important!</b> Because components of TBC make use of Intel-only multi-thread processing, <b>AMD Ryzen processors are not supported.</b>
<b>Random access memory (RAM):</b>	4 GB or more recommended  32 GB or more recommended for Aerial Photogrammetry, Mobile Mapping, and Scanning modules
<b>Hard disk space available:</b>	30 GB or more recommended  100 GB or more on solid-state drive required for Aerial Photogrammetry, Mobile Mapping, and Scanning modules  The recommended SSD overall hard drive capacity is 500GB or more for Aerial Photogrammetry, Mobile Mapping, and Scanning modules
<b>Monitor:</b>	1280 x 1024 or higher resolution with 256 or more colors (at 96 DPI)
<b>I/O Ports:</b>	USB 2.0 port required if HASP hardware key is used

**Graphics:**

DirectX 11 compatible graphics card with 512 MB memory or more

OpenGL version 3.2 or later required when working with point cloud data (latest version recommended)

8 GB graphics card or higher (for example, NVIDIA Quadro P4000) required when working with Aerial Photogrammetry, Mobile Mapping, and Scanning modules

**Note:** If you are using a laptop computer with both an integrated (on-board) graphics card and a discrete NVIDIA graphics card enabled via Optimus technology, your computer must allow you to select to disable the integrated graphics card and use only the discrete graphics card when working with point cloud data. See "Disabling a laptop integrated graphics card" in the "Important Notes" topic in the TBC Help.

***Important!***

**It is critical that you keep your graphics driver(s) updated if you are working with point cloud data.**

Whether your computer has one or multiple graphics cards installed, you must ensure each has been updated with the latest driver provided by the card's manufacturer. The best way to determine if your driver needs to be updated and, if so, perform the update is to visit the card manufacturer's website. For more information, see "Update and Configure Your Graphics/Video Driver" in the online Help.

(If, instead, you decide to update your driver using the Windows Device Manager and the "Search automatically" option, the program may suggest using a Microsoft-approved WHQL version of the driver. However, to ensure you have the latest bug fixes and new features for your graphics card, it is recommended that you use the latest manufacturer version instead.)