Trimble RealWorks

Version 2024.12 Release Notes

Introduction

These release notes describe the features and enhancements that are new in version 2024.12 of the Trimble® RealWorks® software. For further information, visit www.trimble.com/support/.

System Requirements

- Operating system: Microsoft® Windows® 10, 11 (64 bit)
- Processor: minimum 2.8 GHz (Quad-Core) or higher, (additional cores with Hyper-Threading support strongly recommended)
- RAM: minimum 16GB (32GB and higher recommended)
- Graphics card: OpenGL 3.3 compatible with minimum 1GB VRAM (3GB or higher and OpenGL4.4 recommended)
- 3-button mouse

Other requirements

Solid State Drive (SSD) for maximum performance (pref. 500GB) - strongly recommended.

Upgrade Procedure

Install the software from this location **(Internet connection required during installation and license or subscription verifications):** Support and Downloads

http://geospatial.trimble.com

Software Warranty

This version of Trimble RealWorks is available to:

- Perpetual license users whose warranty expiration date is **August 1, 2024** or later. *Note: If your perpetual license warranty expires prior to this date and you proceed with the installation, licensed features will not be included.*
- 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 RealWorks ribbon, select Support > License to view your warranty or subscription expiration date.

New Features and Enhancements

Description	New or Enhanced	Feature Overview	Benefit/Comments
Refinement Links in TDX Import	New	Registration refinement links created in Perspective 2025.10 are included in the TDX export. Once imported to RealWorks, these refinement links will be present in the Adjust Registration tool.	Data interoperability
Adjust Registration	Enh	Added the Registration Visual Check tool within Adjust Registration.	Ease of use
RCP Export "Force Z Up"	Enh	Added an option to Force Z Up when exporting structured RCP files. Using Force Z Up will ensure scans are leveled according to the instrument compensator. This option can lead to distortions in the station-based imagery. Disabling Force Z Up will retain the original station leveling and avoid station-based imagery distortions.	Data quality
Autodesk AutoCAD 2025 Support	Enh	The Open AutoCAD and Send to AutoCAD tools are now supported for version 2025	Data Interoperability
Autodesk Revit 2025 Support	Enh	The Open Revit and Send to Revit tools are now supported for version 2025	Data Interoperability

Resolved Issues

- **3D Inspection:** potential crash launching the 3D inspection tool
- **Annotations:** photos attached to annotations in Perspective were not imported to RealWorks
- **Annotations:** moving annotations could cause all to stack on each other visually after capturing a screen shot
- **E57 Import:** fixed import for some files.
- **Georeferencing:** corrected an issue where target matching and transformation results were not consistent
- **Mesh Creation:** added an error message and auto deletion for corrupted meshes when opening project
- **RCP export**: removed the "High Quality Panorama" option due to a critical issue where the point cloud was exported to an incorrect location.
- **Security Vulnerability**: fixed GHSA-rxg9-xrhp-64gj vulnerability linked to System.Drawing.Common dll
- **Station View:** clicking on a station triangle always takes you to station 1 when selected from the Examiner mode
- **Target workflow**: resolved application instability issues when using targets within the application.
- **TDX Export:** TDF folder only contains TZF files when available or RWCX files when TZF files are not available
- **Trimble RealColor:** colorized image was not being displayed after matching

Legal Notices

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Release Notice

This is the January 2025 release of the Release Notes. It applies to version 2024.12 of the Trimble® RealWorks® software.