

Trimble RealWorks



GEOSPATIAL

August 2024

Version 2024.10 Release Notes

Introduction

These release notes describe the features and enhancements that are new in version 2024.10 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://www.trimble.com/support/)

<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
Adjust Registration for TZF Scans	New	TZF and other structured scan formats can be used in this new registration refinement tool. Create and delete refinement links, disable connections, visualize the registration network, and export an updated registration report. Customize threshold values and display colors in Support > Preferences > Tools > Refine	Versatility, productivity
TRB Import Support	New	Import 2D and 3D .trb BIM files into RealWorks. Improved import times for BIM formats.	Data interoperability
Import Measurements from Trimble Perspective	New	3D measurements collected with Trimble Perspective are included in TDX when imported to RealWorks. Supported measurements include 3D Point, 3D Distance, Horizontal Distance (station view), and Vertical Clearance (station view).	Data interoperability
Multi Resolution Imagery for RCP Export	Enh	Low resolution TZF scans containing imagery will export RCP files using the resolution of the TPF file.	Image quality
Limit Box Slice Modes	Enh	New limit box modes: horizontal slice and perpendicular-to-screen slice.	Productivity

Resolved Issues

- **DWG Export:** Fixed issue where extrusion objects were not exported to DWG
- **SteelWorks:** Catalog loading button now directs users to the default catalog location.
- **TX8 High Precision Mode:** Prevents multiple processing requests.
- **FLS Import:** Reduced delay for the FLS options dialog to appear.
- **Indoor Classification:** Fixed crashes occurring with some data sets.
- **3D Inspection:** Added error message when activating "Compensate for Low Density" option on data without normals.
- **Georeferencing:** Matched topo points are now listed when the tool opens.
- **Georeferencing:** Prevented duplicate point matches to the same station.
- **Georeferencing:** Corrected average error calculation when disabling matched points.
- **Cloud-Based Registration:** Fixed station change in reference viewer after using magnifier in Station-Based mode.
- **Station Setup:** Fixed displayed errors when using Trimble RealWorks in Japanese.
- **Ortho-Projection:** Improved memory error management with guidance on splitting orthophotos.
- **Ortho-Projection:** Lowered preview resolution when memory is insufficient.
- **Units:** Corrected unit conversion when using meters and inputting values in millimeters.
- **Feature Set:** Fixed picking on meshes when using Enhanced Ambient Shading mode.
- **Smart Picking:** Addressed merging displayed regions for Faces of Curb, Gutter, Roadmark edge, and Fitted plane pickings.
- **Target Extraction:** Corrected picking accuracy on flat target geometries after multiple target extractions.
- **Auto-Extract Targets:** Fixed issue where each extracted target had the same name when using Trimble RealWorks in Japanese, Korean, or Chinese.
- **E57 Import:** Resolved issues with importing structured e57 data from various 3rd party sources.

Legal Notices

Trimble Inc.

Geospatial

10368 Westmoor Drive

Westminster, Colorado 800021

USA

800-361-1249 (toll free in USA)

+1-937-245-5154 Phone

+1-937-233-9441 Fax

www.trimble.com

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Release Notice

This is the August 2024 release of the Release Notes. It applies to version 2024.10 of the Trimble® RealWorks® software.

<http://geospatial.trimble.com>