

Trimble Perspective

GEOSPATIAL
January 2024

Version 2024.00 Release Notes

These release notes describe the features and enhancements that are new in version 2024.00 of the Trimble® Perspective® software.

New Features and Enhancements

Description	New or Enhanced	Feature Overview	Benefit/Comments
Limit box	New	A 3D limit box has been added to replace the Slice Tool. The bounds of the limit box can be set using grab handles and rotated about the Z-axis. The slice tool slider bar can still be used to shift the limit box along the Z-axis.	Data visibility
Limit box extraction	New	All points displayed within the limit box can be exported as an LAS file. Limit box extraction is done from the limit box tool menu.	Data management
Refine registration sets	Enh	Each registration set can be refined individually and generates a report. This can be completed from the station menu with Reg. Sets displayed.	Data management
Slope measurement	Enh	Distance measurement provides the slope percentage between the 2 selected points.	Analysis
Registration Report (Scan-based) and Refine Registration using TZF Scans	Enh	The accuracy of the overlap computation between TZF scans has been improved. As a result, when doing Registration Report (Scan-based) or Refine Registration using	Quality

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		Scans, the links between stations are now more reliable. Completely separate scans now show no or very low overlap - e.g., indoor scans acquired in separate rooms with no common parts.	
Microsoft Windows® 11 Support	Enh	Trimble Perspective is now fully supported on the latest Microsoft Windows operating system.	Updated operating system compatibility

Note – The released version of Trimble Perspective is 2024.00.2325. The latest firmwares for the X-series laser scanners are as follows, Trimble X7 (2.5.100), Trimble X9 (1.0.3.0384) and Trimble X12 (10.0.1.11608).

Resolved issues

- **PTX Export:** each station is exported as an individual file
- **Export:** export files are checked for name duplication and a confirmation message is prompted to overwrite exported data
- **Georeferencing:** improved georeference auto matching algorithm
- **Georeferencing:** corrected selection issues when editing annotations for georeferencing
- **LAS Export:** warning message added for failed export
- **Magnifier:** hide station markers, annotations, and measurements that are outside the magnifier bounds
- **Magnifier:** view rotates around the center of the viewable point cloud
- **Measure Tool:** corrected inconsistent measurement options when switching from a 3D view to a 2D view
- **Measurement:** dragging point measurement off cloud returns point to last valid position
- **Panorama Export:** corrected panorama position and orientation values in CSV export
- **Station View Performance:** improved database communication when multiple requests are made while in the station view mode
- **Crash Report:** report now persists until the user closes the report
- **Reg. Sets:** Station menu show/hide icon showed the incorrect setting for Reg. Sets
- **Registration Report:** changed the order of Stations and Reg. Sets in the report
- **Storage Space:** resolved software freeze issue caused by full disk space warning

Legal Notices

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Release Notice

This is the January 2024 release of the Release Notes. It applies to version 2024.00 of the Trimble® Perspective® software.

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