



MicroSurvey inCAD 2024

Release Notes

MicroSurvey inCAD 2024 (v24.0.0) – August 31, 2023

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Contents

MicroSurvey inCAD 2024.....	3
What's New in Version 24.0.0.....	3
Compatibility and Upgrades.....	3
Important Notes	4
MicroSurvey Subscription License	4
MicroSurvey License Portal for Floating License Users	4
MicroSurvey Transfer Program for FieldGenius Users	4
System Requirements	4
Run as Administrator.....	5
Online Resources.....	5
What's New in AutoCAD 2024	5
What's New	5

MicroSurvey inCAD 2024

MicroSurvey brings intuitive calculation tools for land surveyors to popular drafting platforms, including BricsCAD®, IntelliCAD and AutoCAD®. MicroSurvey inCAD 2024 runs on existing AutoCAD® 2024 installations, including AutoCAD®, AutoCAD Map3D®, and AutoCAD Civil 3D®. AutoCAD 2024 brings improvements to the start page, activity insights, block placement and replacement suggestions, and improvements to markup assist.

What's New in Version 24.0.0

What's New

- The ability to disable the xx##xx database warning for point ID's and line labels through a checkbox in the System Toggles > CAD Drawing Controls.
- MS_RESCALE now retains the designated label style index (1 through 5) for bearing/azimuth and distance labels during the rescale operation for lines. Bearing/azimuth and distance label styles can be defined on the MsAnnotate ribbon in the Defaults section.
- MS_RESCALE will now retain the custom position of point and line labels connected to the MicroSurvey database rather than revert them to the default position. Labels will be shifted from the point node a proportional distance to the increase in text size, this retains the desired spacing between text rows in the labels. To refresh the position of point labels, use the MS_POINTUPDATE command.

Bug Fixes

- We have completed many stability and foundational improvements in the background of MicroSurvey inCAD 2024.
- AutoMap substitution coding – fixed a defect where sometimes substitution coding would not plot point attributes in the plotted description using the inline code \$1. For more information, we discuss substitution coding in depth in [this Helpdesk article](#).
- Wildcards used in the AutoMAP library for drawing linework are handled as described in the help documentation under the heading Wildcards.
- ASCII_IN will no longer crash when importing space delimited points without elevations.
- Resolved some problems with text styles not retaining their properties after running the REGEN command.

Compatibility and Upgrades

MicroSurvey inCAD will read and write to *.DWG drawing files and our *.MSZ database interchangeably with our other CAD products: MicroSurvey CAD, embeddedCAD, and SurveyTools for BricsCAD. There are no compatibility issues or workarounds required to use saved MicroSurvey databases between these products. We have supported the *.MSZ format since 2008, and offer conversion utilities for older formats which are described [here](#).

Important Notes

MicroSurvey Subscription License

- Existing MicroSurvey inCAD users with a current subscription license must enter their License ID and Password to run this version.
- Each license has a different subscription plan, so multiple licenses may not have the same expiry date.
- You can confirm your subscription expiry date by reviewing the About screen found on the Help ribbon.

If your subscription has expired, you can phone us at 1-800-668-3312 or 1-250-707-0000 to renew it. Without a current subscription plan, you will not be able to work with the new version.

MicroSurvey License Portal for Floating License Users

- If you have purchased a floating license, you may visit microsurvey.com/license to review usage statistics on your license.
- After purchase, you will be asked to create a login for the portal.
- Log in to the portal, click "Licenses & Activations", then the desired license to review its details.

MicroSurvey Transfer Program for FieldGenius Users

- MicroSurvey Transfer can be [downloaded](#) to simplify the transfer of FieldGenius projects from your data collector to MicroSurvey inCAD.
- This program has not changed since 2013; previous versions must be updated for newer versions of MicroSurvey inCAD.
- Microsoft Windows Mobile Device Center is required to install MicroSurvey Transfer. It may be downloaded [here](#).

System Requirements

- MicroSurvey inCAD 2024 is compatible with 64-bit versions of Windows 8.1, Windows 10, and Windows 11 in 64-bit only. It is not compatible with any 32-bit operating system. [Additional details](#).
- Full administrator rights are required to install MicroSurvey inCAD 2024, but it can be run by limited user accounts
- For detailed system requirements and recommendations, please review [this online article](#).

Run as Administrator

- You **must** run the program at least once elevated with "Run as administrator" access
- Clicking "Run" from the installation package does this automatically
- If this step is skipped, you may run as administrator by doing the following:
 1. Right click on the MicroSurvey inCAD 2024 icon.
 2. Choose "Run as administrator".
 3. Select "Yes" on the "User Account Control" dialog when prompted to allow the program to make changes to your computer.
- After this step is complete, you may run the program from any user account on the computer, even if they do not have administrative privileges.

Online Resources

- [Online release notes](#)
- [Known issues](#)
- [Tutorials](#)
- [Online training courses](#)
- [Technical support](#) (1-800-668-3312; free with valid [AMS](#))
- [Helpdesk website](#)
- [Online store](#)

What's New in AutoCAD 2024

Read the full set of new and improved features [here](#).

What's New

Activity Insights

- Stay connected to data throughout your project lifecycle with details of multi-user activities in a DWG file. Be informed of relevant file changes and access with an activity log. Activity Insights helps bridge information gaps in your collaborative AutoCAD workflows.

Smart Blocks

- Replacement: Quickly find the blocks you need and replace one or more blocks via machine learning-based suggestions, recently used blocks, and manual substitute block selection.
- Placement: Automatically place blocks in your drawing in the right position and scale based on where you've inserted the same ones thus far in your DWG file, reducing the number of clicks required and saving you time in the process.

Markups

- Enhancements to Markup Import and Markup Assist allowing users to rapidly send and incorporate design feedback. Import feedback from printed paper via mobile or PDFs and add changes to your drawings automatically. AutoCAD uses machine learning to detect and execute certain instructions in markup text including "MOVE," "COPY," or "DELETE" commands.