



IntelliCAD® 14.1 by IntelliCAD Technology Consortium

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Thank you for using IntelliCAD. This README file includes details about IntelliCAD 14.1, which contains many new features and fixes, and continued compatibility with ODA SDKs version 2025.12.

IntelliCAD 14.1 was released on 12/10/2025.

New Features in 14.1

Performance

- Up to 63% faster line creation when using entity snaps.
- Up to 2x faster Copy command when VBA is enabled.

Working with files

- Export and print drawings to geospatial PDFs, which include coordinate system information from the drawing.
- Load compiled LISP applications (.vlx files) and fast-load LISP applications (.fas files).
- Digitally sign drawings using Cryptography Next Generation (CNG) technology.
- For IntelliCAD versions that support working with BIM files:
 - Measure to the left edge, center, or right edge of doors and windows when placing them on walls.
 - Specify anchor settings for windows and doors.
- For IntelliCAD versions that support editing and creating .dgn files in their native format:
 - Export to .pdf files.
 - Specify options when exporting to .dwg files.
 - Modify the current color palette.
 - Control layer visibility of external references when using Explore Layers.
 - Preview blocks before inserting them.
 - Use these command line versions: -REFEDIT and -REFCLOSE.

Tables

- Automatically fill table cells with blocks located in selected cells.
- Use the keyboard to navigate table cells using the Home, End, Page Up, and Page Down keys.

Layers

- Important Fixes in 14.1
- Export group layer filters to .lft files.
- Copy layers and their settings, then paste the data into other applications, such as Microsoft® Excel®.

User interface

- Turn selection cycling visual aids on or off from the status bar.
- Switch between the Options and Drawing Settings dialogs directly from each dialog.

Undo and redo

- Reverse the effect of several undo actions using the Multiple Redo command.
- Undo and redo changes made to session and registry system variables.

More features

- Use the Test Block command to test advanced blocks in a temporary window.
- Import page setups from .dwt and .dwf files.
- The Overkill command now works with dimensions and multileaders.
- Add images, external references, and leaders to tool palettes.
- Switch between Microsoft Bing® and Azure® geographic services using the GEOMICROSOFTSERVICE command at the command line.

APIs

- LISP Debugger Extension: Use the "program" option to specify the path to IntelliCAD, and use the "cwd" option to specify the working directory.
- LISP: tablet_setbutton and several CAutoMLeader methods.
- .NET: .PaletteSet includes a Close method.
- IcARX: OdBrBrep getPointContainment.

System variables

- New system variables: AECCYCLEMEASURETO and BLOCKTESTWINDOW.
- Updated system variables: AFLAGS and TRACKPATH.

Important Fixes in 14.1

The following list details some of the many fixes that were implemented since the 14.0 release on 7/31/2025.

Working with files

- Fixed exporting to .pdf files for drawings that contain large raster images.
- Fixed issues when working with external references, including an autosave issue during insert.
- Fixed display issues when importing specific .dgn files.
- For IntelliCAD versions that work with BIM files:
 - Fixed issues with drawing roofs.
 - Fixed missing parts of an imported .ifc file after block creation.
 - Fixed incorrect scaling of IFC underlays when reopening files.

- For IntelliCAD versions that work with .dgn files in their native format:
 - Fixes for the Copy command.
 - Fixed an issue with layers of external references not displaying in Explorer.
 - Fixed zoom capabilities when using the Find command.
 - Fixed an issue when printing from a preview.
 - Fixed issues when working with hatches.

Selecting and modifying entities

- Many fixes for the Filter command.
- Several fixes for entity snaps and entity snap tracking.
- Several fixes for the Trim command.
- Several fixes for dynamic input.
- Fixed an issue with working with polylines and the Fillet command.

Text

- Fixed the display of symbols when using specific fonts.
- Several fixes for multiline text.
- Fixed incorrect angles of text when the UCS is rotated.
- Many fixes for the Edit Text command.

Blocks

- Several fixes for working with advanced blocks.
- Many fixes for attribute-related commands, such as Define Attributes, Edit Block Attributes, and Edit Attributes (Single) commands.

Printing and publishing

- Fixed an issue with print preview.
- Fixed issues with printing to PDF and to JPG/PNG.
- Fixed a page setup issue when setting the print area to limits.

User interface

- Several fixes for the dark theme.
- Several fixes for the Start Page.
- Fixed issues when working with workspaces.
- Several fixes for working with drawing tabs and detached drawing windows.

APIs

- LISP: vla-setblockattributvalue, vla-get-contentblockname, vl-registry-delete error, vl-registry-read, vla-explode, vla-get-contentblockname, ssgget, tablet_setbutton.
- SDS: sds_getcorner.
- IRX: IlcEdSelectionSetHistoryAccessor.
- IcARX: Many fixes.

More fixes

- Several fixes for the Undo and Redo commands, including a fixed issue when using the Undo command after moving many entities.
- Several fixes for the Flatshot command.
- Several fixes for working with multileaders and multileader styles.
- Fixed an issue with suffixes for radius and diameter symbols of dimensions.
- Several fixes for working with tables, including working with table styles.
- Fixed an issue with the TTR option when drawing circles.
- Fixed an issue when drawing wedges.
- Several fixes for data extraction, including the ability to select all entities.
- Fixed an error in positioning images when inserting them.
- Fixed an issue when using images and the Super Hatch command.

Technical Details for 14.1

- Continued use of ODA SDKs version 2025.12.
- Open Cascade platform is updated to version 7.9.0 for importing and exporting STEP and IGES format files.
- IcARX development continues with additional functions compatible with AutoCAD® ObjectARX API, allowing members to create a single code base to support both IntelliCAD and Autodesk AutoCAD® application development.
- IntelliCAD source code and add-on applications are built with Microsoft Visual Studio® 2022 and Microsoft Visual C++ Platform Toolset (v143 14.44.35207 or newer).