

IntelliCAD® 15.0 by IntelliCAD Technology Consortium

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Thank you for using IntelliCAD. This README file includes details about IntelliCAD 15.0, which contains many new features and fixes, and compatibility with ODA SDKs version 26.12.0.0.

IntelliCAD 15.0 was released on August 4, 2026.

New Features in 15.0

Performance

- Entity snapping and entity snap tracking are refactored for improved stability and performance.
- Advanced blocks are refactored for improved stability and performance.
- Running .fas and .vlx files is much faster.
- Undoing an operation in specific drawings with VBA enabled is up to 12x faster.
- Working with large snapshot slide files is up to 3x faster.
- Working with VBA objects in model space is much faster.

Working with files

- Feature Preview: Use the Drawing Compare command to compare the current drawing with another drawing to view and work with their differences, which are highlighted with color and revision clouds.
- Create, edit, and compile LISP applications using the Make LISP Application command. This includes compiling .vlx and .fas LISP files.
- Use an enhanced dialog box with the Load Application command to manage application files.
- View a slide contained in a slide library (.slb) file. Available when the FILEDIA system variable is set to 0.
- For IntelliCAD versions that support working with BIM files:
 - Work with the parts catalog of an .rfa file in the BIM Properties pane.
 - Import raked walls using custom geometry from .ifc files.
 - Flip curved walls.
 - Specify the threshold height property for doors.
- For IntelliCAD versions that support editing and creating .dgn files in their native format:
 - Select more options when exporting to .pdf files using the Export to PDF dialog box.
 - Create and manage page setups and assign them when printing.
 - Apply color-dependent (.ctb) or named (.stb) print style tables during printing.
 - Bind external references to make them a permanent part of the drawing.
 - Access more external reference options at the command line using the -XREF command, including Path, Bind, and Insert.
 - View parameters of child entities in the Properties pane.
 - LISP: (ssnamex).

AI

For IntelliCAD versions that support AI.

Feature Preview: Use Anthropic® Claude®, Google® Antigravity™, or OpenAI™ ChatGPT® to do any of the following:

- Ask anything about how to use IntelliCAD to view details and instructions.
- Use plain language to select entities in the current drawing.

- Query a drawing for information, such as a list of layers, blocks, etc.
- Generate and run a LISP application based on a natural language prompt using the /lisp-developer command.

Explorer

- Optimize or maximize any column.
- Freeze or unfreeze column positions for layers.

Text

- Right-click a misspelled word to view and select from the list of suggested corrections.
- Check the spelling of text in tables.

Selecting and modifying entities

- View and modify advanced block properties in the Properties pane.
- Edit polygon viewports using grips.
- Specify the precision for polyline comparisons and conversions independently of other entity types when using the Overkill command.
- Use entity snap tracking to track the endpoints of arcs when using the Tangent snap.
- Preview how entities will be modified directly in the drawing when using the Fillet and Chamfer commands.

Printing and publishing

- Choose to print shaded viewports located on the Model tab according to visual styles, regardless of how the entities display on the screen.
- Choose the quality, or resolution, to use when printing shaded and rendered viewports located on the Model tab.
- Create sheets from .dxf files when using the Publish command.
- Open the Publish dialog box when working with sheet sets to access the full range of publishing capabilities directly from the Sheet Set Manager pane.

User interface

- Standard versions of the program include the ribbon, quick access toolbar, and Start page.
- The active prompt in the command bar displays the name of the current command.
- Open sheet set files directly from the Start page.

More features

- Draw revision clouds in polygon and freehand shapes.
- Set varying intervals for linear segments; segments can share the same start and end points but have different interval lengths.
- Fill table cells automatically using pattern-based incrementing for many common sequences.
- Insert a field as all or part of an attribute default value by pressing Ctrl+F in the Edit Attribute Definition dialog box.

APIs

- LISP: Advanced block support, read and write UTF-8 formats, (vlisp-compile), (notify_user). The new LISP API is complete, and the old LISP API is removed.
- .NET: PaletteSet.Size, PaletteSet.DockEnabled, PaletteSet.RolledUp, PaletteSet.KeepFocus, PaletteSet.EnableTransparency, PaletteSet.RecalculateDockSiteLayout, PaletteSet.SetLocation.
- IRX: ExternalApplication::ModuleType, IcdBProxyInfoPE protocol extension.
- IcARX: IcdBProxyInfoPE.
- VBA: DimArcLength class, IIcadTable methods, (vla-get-BlockScaling blkObj), (vla-getCellValue tableEnt).
- DCL: JPG and BMP format support.

System variables

- New system variables: COMPARERCMODE, COMPARESHOWRC, PUBLISHALLSHEETS, REVCLLOUDAPPROXARCLEN, REVCLLOUDARCVARIANCE, and REVCLLOUDCREATEmODE.
- Updated system variables: ETRACKDELAY default value is 50.
- Updated color default values: BKGColor, CMDLINEBKGColor, CMDLINEKEYWORDColor, CMDLINEKEYWORDBKGColor, CMDLINEKEYWORDHlTColor, CMDLINETEXTColor, CMDHISTORYTEXTColor, CMDHISTORYBKGColor, GRIDCOLORMAJOR, GRIDCOLORMINOR, PSICONColor, and PSPACEBKGColor.

Important Fixes in 15.0

The following list details some of the many fixes that were implemented since the 14.1 release on 12/10/2025.

Working with files

- Fixed issues with opening specific files, including on computers with AMD video cards.
- Fixed issue when importing files that have Korean characters in their filenames.
- For IntelliCAD versions that work with BIM files:
 - Several fixes for the BIM Properties pane.
 - Several fixes for AEC styles, including railing profile names and curtain walls.
 - Several improvements for working with .ifc underlays.
 - Several fixes for working with .rvt underlays, including render quality, parts catalogs, and missing entities in the default view.
 - Fixed render quality for .rvt underlays.
 - Fixed slab properties.
- For IntelliCAD versions that work with .dgn files in their native format:
 - Refactored the Color dialog.
 - Many fixes for external references, including nested external references, removal by name, and the list that displays in the Xref Manager dialog.
 - Fixed several issues with printing and print preview.
 - Several fixes for the Properties pane, Explorer, and dimension styles.
 - Fixed ORTHOMODE when grip editing.
 - Fixed the Copy Entity Formatting command for multiline text.
 - Fixed issue with arcs of polylines turning into polylines with chords.

Selecting and modifying entities

- Many fixes for fields, including fields containing print styles, file sizes, and dates. Also, fixed issues with when fields are used in leaders, external references, block attribute definitions, and Diesel expressions.
- Fixed the Break command when used with helices.
- Several fixes for dynamic input, including stretching while using grips and using the Cube option for 3D entities.
- Several fixes for arraying entities.
- Fixed copying of entities on locked layers.
- Fixed the missing Arc Length Symbol property in the Properties pane.
- Fixes for prompts that display for the Commands command.

Text

- Many fixes and improvements for multiline text, including for stacked text and when undoing text in lists.

- Fixed issue with selecting single-line text.
- Fixed selection of QR text by clicking its left or top edge.
- Fixed issue with scaling of multileader text.

Blocks

- Fixed the defining of blocks with undefined units.
- Many fixes for advanced blocks, including the stretch point parameter, lookup parameters and actions, distance values and scaling of linear parameters.

Tables

- Many fixes for tables, including the options applied when inserting tables, locking cells, and alignment.
- Several fixes for table styles, including applying styles and working with custom styles.

Extracting data

- Fixed issues with extracting data from nested blocks.
- Fixed issue with folder selection when extracting data.

Viewing and visualizing

- Fixed the prompts for the 3D Positioner command.
- Several fixes for the Flatshot command.
- Fixed issue when the drawing was not regenerated correctly while using the view cube.

Printing and publishing

- Many fixes for printing, including DPI values, printing to .jpg files, and applying settings to the current layout. Also, saving .pmp files now applies the PRINTERCONFIGDIR system variable.
- Many fixes for publishing, including prompting for PDF file names, publishing annotative blocks if sheets are combined, and matching page setup settings.
- Fixed issue with opening drawings from the Sheet Set Manager pane.

APIs

- LISP: Fixed issues for CAutoApp::IsFunctionLoaded, IcLispPrint::print_atom.
- DCL: Refactored the calculation of control positions and fixed allow_accept attribute.
- .NET: Fixes for GetEntity function, IntelliCAD.Windows.Pane, IntelliCAD.Windows.TrayItem, and IntelliCAD.Windows.TrayItemBubbleWindow.
- IRX: IcColorSettings.
- VBA: Fixes for GetReal(), ActiveDocument.Utility.GetInteger(), and ActiveDocument.Utility.GetReal().
- IcARX: Fixes for AcDb3dSolid, AcDbExtents, AcDbRasterImageDef, AcDbText, CAdUiAnchorBar, CAdUiDockControlBar, CAdUiPaletteSet, dynamic properties, and image functions.

More fixes

- Several fixes for the dark theme, including colors for the Properties pane and Explorer.
- Several fixes for revision clouds.
- Several fixes for Explorer, including when working with a drawing that has a large number of layer states and external references.
- Fixes for 3D solids when using the Subtract and Union commands.
- Several fixes for the eTransmit command.
- Several fixes for geographic maps.
- Several fixes for dimensions, including jogged dimensions, dimension styles, and dimension placement after editing.

- Fixed issue with hatches not using the AUNITS system variable.
- Fixed issue with the MAXACTVP system variable.

Technical Details for 15.0

- The minimum supported operating system is Windows 10.
- ODA SDKs are updated to version 26.12.0.0.
- Spatial ACIS libraries are updated to version 2026.1.0.0hf.
- LibXL libraries are updated to version 5.1.0.
- IcARX development continues with additional functions compatible with the Autodesk® AutoCAD® ObjectARX® API, allowing members to create a single codebase to support both IntelliCAD and 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).