

autodesk®

2004

## Faster Data Creation, Easier Data Sharing

In any industry that requires technical drawings, speed and efficient use of data are critical to the success of design projects. This is where **AutoCAD® 2004** software can help. It provides new productivity tools, an improved user interface, and presentation graphics for faster data creation. It offers password protection, CAD standards tools, and support for multisheet DWF™ (Design Web Format™) files for easier data sharing. It also provides new network licensing and software inventory tools for more efficient license tracking and management.



The modernized AutoCAD 2004 interface is cleaner and leaner, with transparent tool palettes that maximize screen real estate and store the content you use most often in one convenient location.

### What's New in AutoCAD 2004

AutoCAD 2004—the fastest, easiest AutoCAD release ever—is packed with new and enhanced features that help you

- Create design data more quickly—with customizable tool palettes, an optimized file format, direct access to design content libraries, enhanced multiline text editing, and Express Tools.
- Share design data more easily—with digital signatures, password protection, and enhanced DWF files.
- Manage software more efficiently—with the Autodesk Product Manager and the FLEXlm® Network License Manager.

### Your Software, Your Voice

From focus groups and beta testing to one-on-one interviews and especially AUGI® wish lists, AutoCAD users are voicing their technology needs and helping to shape AutoCAD software to better meet their requirements. As an example, the AutoCAD user interface has been improved and modernized based on how users perform their daily work.

Top AUGI wish list items—including Express Tools, improved text editing, a multiple Undo/Redo feature, and drawing password protection—are now integrated in AutoCAD 2004. Bottom line: Your voice is important and makes a difference in Autodesk software development.

### Unlimited Flexibility

You know AutoCAD software as the tool you can use right out of the box for 2D drafting and detailing and 3D design. But AutoCAD is also extremely flexible, accommodating specific project types and individual work styles. You can customize AutoCAD by personalizing the interface (for example, by adjusting icons and tool palettes), writing LISP routines (to automate frequent tasks), and using third-party applications from an extensive network of software developers.



AutoCAD 2004 is the 2D drafting and detailing and 3D design tool for faster data creation and easier file sharing.

#### Creating Design Data Faster

Speed is everything when it comes to everyday design tasks—opening and sending files, editing annotations, creating presentation drawings, and accessing the tools you need. These new and enhanced AutoCAD 2004 features make creating design data faster and more efficient.

#### More Speed with the New DWG Format

AutoCAD DWG files are optimized—they are up to 52 percent smaller<sup>1</sup> than files created with the previous version of the software. This means significantly shorter file open and transmission times when emailing, uploading, and downloading files.

#### New Tools for More Productivity

New AutoCAD tool palettes play a major role in cleaning up screen space and boosting productivity: they have an adjustable level of transparency for increased screen real estate and are fully customizable so that you can bring only the content you use every day into one convenient location. For example, rather than using a command to insert a block, simply drag it into your drawing from the tool palette. Express Tools, including layer management, dimensioning, and object modification, reduce the number of steps you need to get your job done. With the updated Redo feature you can trace revision history and restore multiple Undo operations. Plus the number one AUGI wish list item—multiline text—now includes tabs and indents, and the Text Editing dialog box has been removed for a more user-friendly experience.

#### New Presentation Graphics

Now you can create presentation drawings with high-quality graphics right in the AutoCAD application without the need for additional software. Specify gradient fills between two colors or between darker and lighter tints of the same color. Print shaded, 3D isometric presentation views with the Shaded Viewport Plotting feature. And with more than 16 million 24-bit true colors to choose from, including PANTONE®, RAL CLASSIC, and RAL DESIGN color system libraries, you can apply the exact color you want to your AutoCAD objects.



AutoCAD 2004 is certified for Microsoft Windows XP and supports the Tablet PC. So, for example, you can easily walk around a building site with all your digital design data and do mark-ups and annotations on the spot.



### Sharing Design Data More Easily

Many people contribute to a design project—contractors, subcontractors, owners, and engineers, to name just a few—each with a different perspective. But no matter how diverse a team is, everyone works toward one common goal: a successful project. And to achieve this goal, they need to exchange information. New AutoCAD 2004 features make sharing digital design data easier than ever.

### Sharing with Security

Sharing digital design data has never been more secure, with new password protection, digital signatures, and the enhanced DWF file format. Use password protection to determine who can open your files. The digital signature does just what an ink signature does: validates the origin, authenticity, and unaltered state of your drawings. And using DWF, you can exchange drawing files over the Internet with team members who need to view and plot, but not edit, your AutoCAD drawings. DWF provides a locked view-and-plot-only format that is lightweight and yields the same visual-to-scale fidelity as a DWG file. Plus you can publish multiple drawing sheets to a single DWF file to simplify transmission.

### Sharing Content

If it has already been drawn, don't waste time redrawing it—use it! Drag your existing design content—such as blocks, standards, layouts, and even entire DWG files—from the updated AutoCAD® DesignCenter™ feature directly into your drawing. Or use the new tab to access the DesignCenter Online—your point of access to large amounts of predrawn i-drop® content—which you can simply drag from [autodesk.com](http://autodesk.com) or participating manufacturers' websites into your drawing session, without the hassle of download, save, and insert commands. Manufacturers can also attach design-associated information such as spreadsheets and order forms in a single, convenient i-drop package.

### Sharing Standards

With AutoCAD 2004, you don't have to make a point of checking standards. The software is already "standards aware": the Standards Manager automatically runs in the background during your drawing session. When a standard is violated or is missing, a message automatically and instantly notifies you of the violation and suggests a fix. Plus you can select the type of standard you want to check—dimension and text styles, layers, or linetypes—as well as email or print a standards audit report in a reader-friendly format.

### Managing Software More Efficiently

AutoCAD 2004 software has a host of new tools for efficiently managing and getting the maximum return on your technology investment. For example, with the Autodesk Product Manager you can track the version, serial, and PC numbers of multiple software licenses from a single location—you no longer have to visit every PC in each office. If your designers need to work while on the road, they can conveniently borrow a software license from your network with the Autodesk Network License Manager (NLM). They can return the license early or wait until the specified borrowing period has elapsed; either way, the NLM automatically renews the license on your server.



# AutoCAD 2004

## Create—with Speed

- Faster file open (up to 30 percent faster over a network)<sup>1</sup>
- Faster file save (up to 66 percent faster over a network)<sup>1</sup>
- Tool palettes
- AutoCAD DesignCenter
- In-place multiline text editing with tabs and indents
- Multiple Undo/Redo
- True color PANTONE, RAL DESIGN, and RAL CLASSIC color systems
- Gradient fills
- Presentation graphics
- Express Tools

## Share—with Ease

- Much smaller file sizes with optimized DWG file format
- Electronic, multipage drawing sets (DWF)
- Autodesk® Express Viewer
- Improved reference file management
- Password protection
- Digital signatures
- CAD standards tools
- Communication Center
- Integration with Autodesk® Buzzsaw™ project hosting service

## Manage—with Efficiency

- Network license borrowing
- "Designed for Windows® XP-Optimized for Enterprise" Microsoft® logo certified
- Tablet PC support
- Side-by-side installation
- Software inventory tool
- How-to guides for installation options
- Migration tools and utilities

## Recommended System Requirements

- Intel® Pentium® III or later, with 800 MHz or faster processor, or compatible
- Microsoft® Windows® XP (Professional, Home Edition, or Tablet PC Edition), Windows 2000, or Windows NT® 4.0 (SP6a or later)
- 128 MB RAM
- 300 MB free disk space for installation
- 1024x768 VGA with true color (minimum)
- Microsoft® Internet Explorer 6.0
- Mouse, trackball, or compatible pointing device
- CD-ROM drive

## Purchase or Learn More

Purchase AutoCAD software through your Autodesk Authorized Reseller. To locate the reseller nearest you, visit [www.autodesk.com/reseller](http://www.autodesk.com/reseller).

The Autodesk® Subscription Program gives you access to the latest Autodesk software releases and enhancements—while simplifying software management and budgeting. To learn more, contact your Autodesk® Authorized Reseller or visit [www.autodesk.com/subscription](http://www.autodesk.com/subscription).

Autodesk® Professional Services helps you reduce the time and cost of transforming your business through technology. Our consulting, training, and support services help you maximize the return on your investment in Autodesk technology. Visit us at [www.autodesk.com/professionalservices](http://www.autodesk.com/professionalservices).

DWF (Design Web Format) is a fast, efficient way to distribute design data. With Autodesk Express Viewer—a free downloadable application—you can send DWF files for viewing and printing while protecting them from unauthorized changes. Download Autodesk Express Viewer at [www.autodesk.com/expressviewer](http://www.autodesk.com/expressviewer).

For more information about AutoCAD software, visit [www.autodesk.com/autocad](http://www.autodesk.com/autocad).

<sup>1</sup> Measurement is a preliminary indicator based on automation testing over a controlled network. Results are approximate and are subject to error and change. Product information and specifications are subject to change without notice. Autodesk, Inc., provides this information "as is," without warranty of any kind, either express or implied.



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