

Autodesk® 3ds Max®

Design 2009

Explore. Validate.
Communicate.



Autodesk®

Use 3ds Max Design 2009 to fully explore, validate, and communicate your creative ideas, from initial concept models to final, cinema-quality presentations.

Autodesk® 3ds Max® Design 2009 software is a comprehensive 3D modeling, animation, and rendering solution designed to support the way designers and visualization specialists work: creatively, iteratively, and across multiple software applications.

Interoperability throughout our Autodesk pipeline keeps the design process fluid, from early concept creation to the visualization of our final design.

—Peter Anderson
Principal and Co-founder
Anderson Anderson Architecture

Support for Sustainable Architectural Projects

Exclusive to 3ds Max Design, Exposure™ technology is an intuitive system for simulating and analyzing sun, sky, and artificial lighting in a 3D scene, making 3ds Max Design a powerful tool for precise planning of sustainable architectural projects.

Precise Visual Feedback and Professional Final Renders

Reveal™ rendering streamlines iterative workflows and provides precise control over renders in your viewport or framebuffer, further enhancing the accuracy and precision of plans and models. 3ds Max Design also contains a new ProMaterials™ library for the award-winning mental ray® rendering engine, providing designers, architects, and visualization specialists with fast access to materials for creating manufacturer-related design and building surfaces.

Integrated Workflows and Digital Continuity

3ds Max Design offers more integrated workflows and a higher level of data interoperability with AutoCAD® and Revit®-based products for projects involving building information modeling (BIM) and Digital Prototyping to full cinema-quality visualizations.

3ds Max Design 2009 Key Features

Exposure

New Exposure technology, exclusive to 3ds Max Design 2009, is used for simulating and analyzing sun, sky, and artificial lighting in a 3D scene. Well suited for sustainable architectural projects, this powerful feature set helps architects accurately evaluate real-world light intensity within their 3D designs. This capability can facilitate the evaluation of indoor environmental quality—required, for example, for LEED 8.1 certification. In addition to light-metering functionality with graphical output, Exposure also features the popular 3ds Max sun and sky models, a new quick-settings dashboard interface, and an intelligent user interface for accessing the various aspects of the software used in a light simulation, such as render settings, light settings, and material settings.

Reveal Rendering

The Reveal rendering system in 3ds Max Design 2009 gives you the precise control you need to quickly refine your renders. Choose to render your entire scene minus a specific object; render a single object or even a specific region of the framebuffer. The rendered image framebuffer now contains a simplified set of tools to quickly validate changes in a render by optionally filtering out objects, regions, or processes to balance quality, speed, and completeness.



Image courtesy of Hayes Davidson



Image courtesy of © Uniform Communications Limited

Recognize

Recognize™ scene-loading technology delivers new levels of interoperability between 3ds Max Design and Revit® Architecture software. The FBX®-based Recognize toolset helps you quickly and accurately import geometry, lights, materials, and cameras from your Revit Architecture 2009 scenes into 3ds Max Design 2009, significantly streamlining visual communication of your BIM data.

ProMaterials

The ProMaterials library provides easy-to-use, physically based materials for mental ray, built from manufacturer-related data. Quickly create frequently used building and design surfaces, such as solid glass, concrete, or professional wall paint—with glossy or matte finish.

Photometric Lighting in Review

Review now offers full support for photometric lights (including IES files), giving you instant feedback on how real luminaries will affect the environment. Plus, an expanded photometric light toolset now includes new types of area lights (circular, cylindrical), photometric web previews in the Browse dialog box and Light user interface, and improved near-field photometry quality and spot distribution.



Image courtesy of NYCT CC/Arup



Image courtesy of Knut Ramstad, Selvaag Bluethink

As an architect, I find that the latest version of 3ds Max solves many of the past problems dealing with large architectural models. The recent upgrades have also allowed me to migrate to the mental ray renderer, which I find to be very stable, fast, and predictable.

—Knut Ramstad
Director of 3D and 3D Technology
the Tjuvholmen Project/Norway

Learn More or Purchase

For more information about 3ds Max Design 2009, including a complete list of new features, enhancements, and system requirements, visit www.autodesk.com/3dsmaxdesign.

Autodesk offers a wide range of 3D and 2D solutions to architects, designers, and visualization specialists. For more information about design visualization, visit www.autodesk.com/designvisualization. For more information about the entire Autodesk 3D product portfolio, visit www.autodesk.com/me.

To purchase Autodesk products, contact an Autodesk Premier Solutions Provider or Autodesk Authorized Reseller. To locate the reseller nearest you, visit www.autodesk.com/reseller.

North America: **800-869-3504**
International: **+1-415-507-4461**
Email: med_ent@autodesk.com

Autodesk Services and Support

Accelerate return on investment and optimize productivity with innovative purchase methods, companion products, consulting services, support, and training from Autodesk and Autodesk authorized partners. Designed to get you up to speed and keep you ahead of the competition, these tools help you make the most of your software purchase—no matter what industry you are in. To learn more, visit www.autodesk.com/servicesandsupport.

Autodesk Subscription

Get the benefits of increased productivity, predictable budgeting, and simplified license management with Autodesk® Subscription. You get benefits available exclusively to subscription members and a range of community resources, including web support direct from Autodesk technical experts, self-paced training, and e-Learning, to help extend your skills and make Autodesk Subscription the best way to optimize your investment. To learn more, visit www.autodesk.com/subscription.

Autodesk Authorized Training Centers

Propel your career and performance when you turn to the Autodesk Authorized Training Center (ATC®) network. With the premier Autodesk channel for hands-on, instructor-led training and certification you can enhance your productivity with expert training from nearly 2,000 ATC sites in more than 80 countries. To learn more, visit the online ATC locator at www.autodesk.com/atc.

Cover image created by Spine3d

Autodesk is committed to sustainability. This brochure is printed on 25 percent postconsumer waste recycled paper.

Autodesk, AutoCAD, ATC, Exposure, FBX, Maya, Mudbox, ProMaterials, Recognize, Reveal, Revit, and 3ds Max are registered trademarks or trademarks of Autodesk, Inc., in the USA and/or other countries. mental ray is a registered trademark of mental images GmbH licensed for use by Autodesk, Inc. All other brand names, product names, or trademarks belong to their respective holders. Autodesk reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document. © 2008 Autodesk, Inc. All rights reserved. 415A1-000000-MZ01