

# **OBJ Export for AutoCAD Help**

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# OBJ Export for AutoCAD Help

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Welcome to *OBJ Export for AutoCAD* Help!

This help file provides all the information you need to understand and use *OBJ Export for AutoCAD*. Click the links below or use the Contents tab on the left to browse help topics. You can also scroll the topics on the above right hand pane.

The *OBJ Export for AutoCAD* help file is divided into the following sections:

- [Introduction](#) - Introduction to *OBJ Export for AutoCAD*.
- [Command Reference](#) - Quick reference of all the commands added by *OBJ Export for AutoCAD*.
- [Tutorial](#) - Tutorial to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

**Note:**

- Please refer to the section "Loading Instructions" in the [ReadMe](#) file to load *OBJ Export for AutoCAD* plug-in file into the AutoCAD environment.
- Please read the [License Agreement](#) before using the software.

# Introduction

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*OBJ Export for AutoCAD* is a Wavefront (.obj) file export plug-in for AutoCAD®. This plug-in gives AutoCAD the ability to export geometric data from AutoCAD to ASCII and Binary OBJ files.

*OBJ Export for AutoCAD* extracts facet data from 3D Face, Polygon Mesh, PolyFace Mesh and 3D Solid objects in the active AutoCAD drawing and exports it to a OBJ file. 3D Solids are tessellated into triangular faces. The level of tessellation can be controlled by adjusting the resolution slider in the *OBJ Export for AutoCAD* options dialog box. A lower resolution will yield coarse meshes (lesser faces), whereas a higher resolution will result in finer meshes (more faces).

*OBJ Export for AutoCAD* is designed to work with the following versions of AutoCAD:

- AutoCAD 2011 (32 & 64 Bit)
- AutoCAD 2010 (32 & 64 Bit)
- AutoCAD 2009 (32 & 64 Bit)
- AutoCAD 2008 (32 & 64 Bit)
- AutoCAD 2007
- AutoCAD 2006
- AutoCAD 2005
- AutoCAD 2004
- AutoCAD 2002
- AutoCAD 2000i
- AutoCAD 2000

*OBJ Export for AutoCAD* is very easy to use. Once installed, it must be loaded into the AutoCAD environment. There are simple instructions for this in the [ReadMe](#) file. Once loaded it adds new commands to AutoCAD's existing commands and a new submenu called "OBJExport" to the AutoCAD menu containing these newly added commands.

*OBJ Export for AutoCAD* comes with detailed documentation as well as a [tutorial](#) to get you started in the shortest possible time.

If you need any additional information please [contact](#) SYCODE.

## **The OBJ File Format**

The OBJ file format is a geometry definition file format first developed by Wavefront Technologies for its Advanced Visualizer animation package. The file format is open and has been adopted by other 3D graphics application vendors, making it a universally accepted geometry file format. The OBJ file format is a simple data format that represents 3D geometry alone - namely, the position of each vertex, the texture coordinate associated with a vertex, the normal at each vertex, and the faces that make each polygon.

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## ReadMe

This is the *OBJ Export for AutoCAD* ReadMe file.

Thank you for installing OBJ Export for AutoCAD.

Please read this ReadMe document carefully and completely. It contains important information which is vital to the proper working of OBJ Export for AutoCAD.

Loading Instructions:

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Since OBJ Export for AutoCAD is a plug-in for AutoCAD, it has to be loaded into the AutoCAD environment before it can be used. Loading is a one time process. OBJ Export for AutoCAD will automatically load itself into AutoCAD the next time you run AutoCAD.

The OBJ Export for AutoCAD plug-in files are installed into the OBJ Export for AutoCAD installation folder (typically "C:\Program Files\SYCODE\OBJ Export for AutoCAD\"). The plug-in files have an extension of ".arx".

The list of plug-in files along with the version of AutoCAD is shown below. Please be sure to use the plug-in file that corresponds to your version of AutoCAD.

OBJExport_VC60.arx	-> AutoCAD 2000, 2000i, 2002
OBJExport_VC70.arx	-> AutoCAD 2004, 2005, 2006
OBJExport_VC80.arx	-> AutoCAD 2007, 2008 (32 Bit), 2009 (32 Bit)
OBJExport_VC80x64.arx	-> AutoCAD 2008 (64 Bit), 2009 (64 Bit)
OBJExport_VC90.arx	-> AutoCAD 2010 (32 Bit)
OBJExport_VC90x64.arx	-> AutoCAD 2010 (64 Bit)
OBJExport_VC90.arx	-> AutoCAD 2011 (32 Bit)
OBJExport_VC90x64.arx	-> AutoCAD 2011 (64 Bit)

To load OBJ Export for AutoCAD into AutoCAD please follow the steps listed below:

- (1) Select "Load Application..." from "Tools" menu or enter the "\_APpload" command.
- (2) Click the "Contents" button in "Startup Suite"
- (3) Click the "Add" button.
- (4) Browse for the plug-in file for your version of AutoCAD (see list above).
- (5) Click the "Add" button on the Add File to Startup Suite dialog box.
- (6) Click the "Close" button to close the Startup Suite dialog box.
- (7) Click the "Close" button to close the Load/Unload Applications dialog box.

Now OBJ Export for AutoCAD is completely installed and ready for use.

Usage:

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OBJ Export for AutoCAD adds new commands to AutoCAD. The commands added are:

- 1) OBJExport - Exports a OBJ file
- 2) OBJExportHelp - Displays the OBJ Export for AutoCAD help file
- 3) OBJExportRegister - Registers your copy of OBJ Export for AutoCAD
- 4) OBJExportAbout - Displays the OBJ Export for AutoCAD about box

Sample Files:

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Sample files are copied into the Samples folder which is located in the OBJ Export for AutoCAD installation folder (typically "C:\Program Files\SYCODE\OBJ Export for AutoCAD\"). You can try OBJ Export for AutoCAD using these sample files.

Support:

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For support, please E-Mail [support@sycode.com](mailto:support@sycode.com)

## Contact

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Mailing address	S1/116, Nova Cidade Complex, NH 17, Alto Porvorim, Goa - 403521 India
Phone	+91 9822689298
Fax	+91 832 2416615
E-Mail	<a href="mailto:info@sycode.com">info@sycode.com</a>
Web Site	<a href="http://www.sycode.com">http://www.sycode.com</a>

# Command Reference

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*OBJ Export for AutoCAD* adds new commands to AutoCAD and a submenu called *OBJExport* which houses them. The new commands are:

<a href="#">OBJExport</a>	Exports an OBJ file
<a href="#">OBJExportHelp</a>	Displays the <i>OBJ Export for AutoCAD</i> help file
<a href="#">OBJExportRegister</a>	Registers your copy of <i>OBJ Export for AutoCAD</i>
<a href="#">OBJExportAbout</a>	Displays the <i>OBJ Export for AutoCAD</i> about box

## OBJExport

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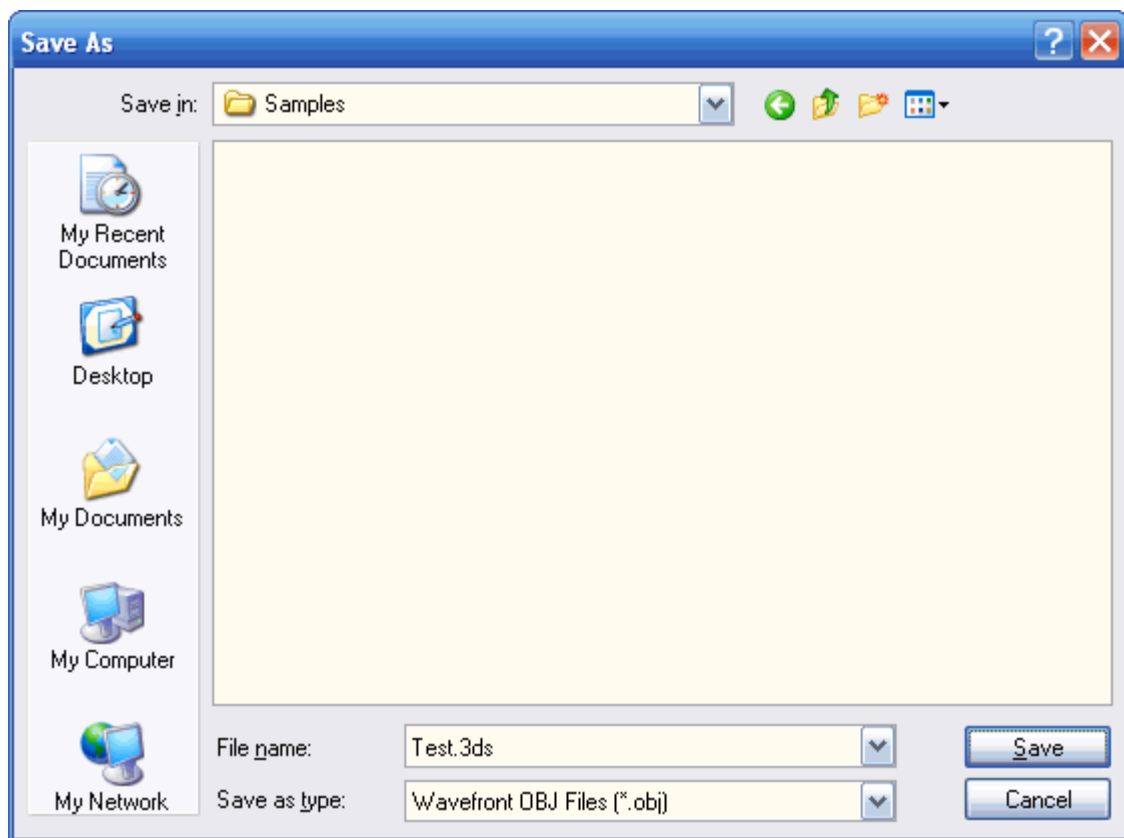
<b>Menu Button</b>	OBJExport > Export
<b>Command</b>	OBJExport

---

This command exports geometric data from AutoCAD to ASCII and Binary OBJ files.

### To export an OBJ file

1. Select *Export* from the "OBJExport" menu or type *OBJExport* at the AutoCAD command prompt and press *Enter*.
2. At the "Select objects" prompt, select the objects that you wish to export. Press *Enter* when done.
3. The AutoCAD "Save As" dialog box is displayed. Enter the output file name of an OBJ file and click *Save*.



4. The "OBJ Export for AutoCAD Options" dialog box is displayed. Set the options as required and click *OK*.

## OBJExportHelp

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<b>Menu Button</b>	OBJExport > Help
<b>Command</b>	OBJExportHelp

---

This command displays the help file. The [Welcome](#) page is a good place to start.

## OBJExportRegister

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<b>Menu Button</b>	OBJExport > Register
<b>Command</b>	OBJExportRegister

---

This command is used to register your copy of *OBJ Export for AutoCAD*.

You need a license key to start using the software. A license key can be of two types: Trial or Permanent. A trial key is issued to you instantly and completely free of cost so that you may try the software before you purchase a license. A permanent key is issued after you have purchased a license.

### How do I get a Trial Key?

Simply click the 'Request Key' button and select 'TRIAL KEY' as the type of key being requested. Fill the form and submit it. A trial key will be immediately sent to you by email.

### How do I get a Permanent Key?

To get a permanent key you need to have already purchased a license. If you have not yet purchased a license you can do so by clicking the 'Buy Online' button. After you place your order click the 'Request Key' button and select 'PERMANENT KEY' as the type of key being requested. Fill the form and submit it. Your order will be verified and a permanent key will be sent to you by email within one business day.

### IMPORTANT:

(1) Please ensure that your computer is connected to the internet before you request for a

## OBJ Export for AutoCAD Help

key.

(2) Please be sure to enter a valid email address as the key will be sent to you by email.

(3) To avoid disruption in your work-flow we urge you to place your order before the trial period ends.

If you need anything else please send an email to [register@sycode.com](mailto:register@sycode.com)

## OBJExportAbout

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<b>Menu Button</b>	OBJExport > About
<b>Command</b>	OBJExportAbout

---

This command is used to display the *OBJ Export for AutoCAD* About box. The About box lists the software and its version.



# Tutorial

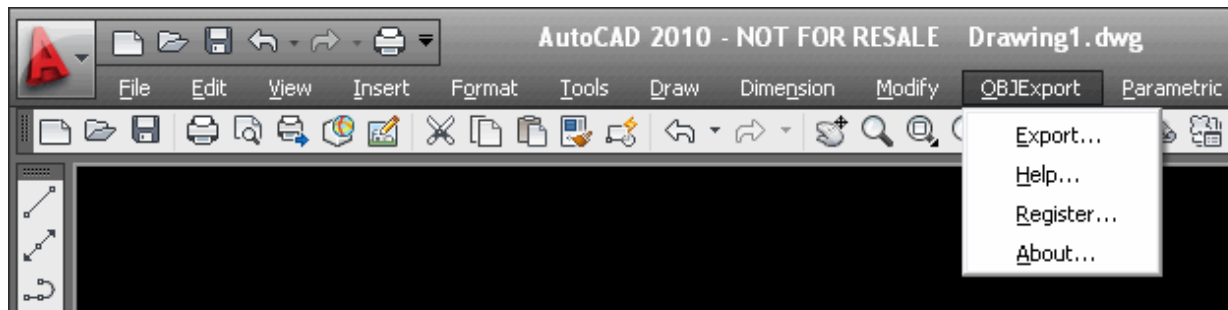
---

This tutorial provides the necessary information and hands-on experience to help you get started with *OBJ Export for AutoCAD*.

**Step 1:** Start AutoCAD.

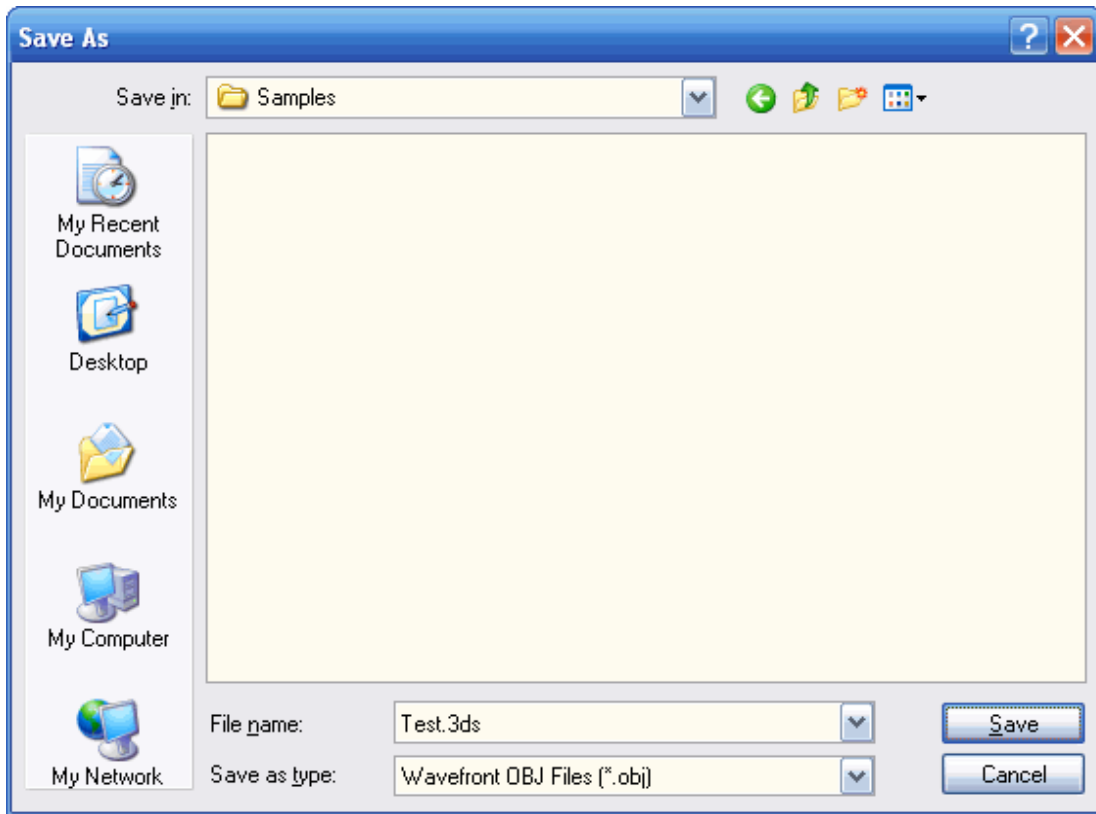
**Step 2:** Select "Open" from the AutoCAD file menu. A "Select File" dialog box is displayed. Browse for the file typically located at "C:\Program Files\SYCODE\OBJ Export for AutoCAD\Samples\Sample 1.dwg" and click *Open*.

**Step 3:** Select *Export* from the "OBJExport" menu or type *OBJExport* at the AutoCAD command prompt and press *Enter*.

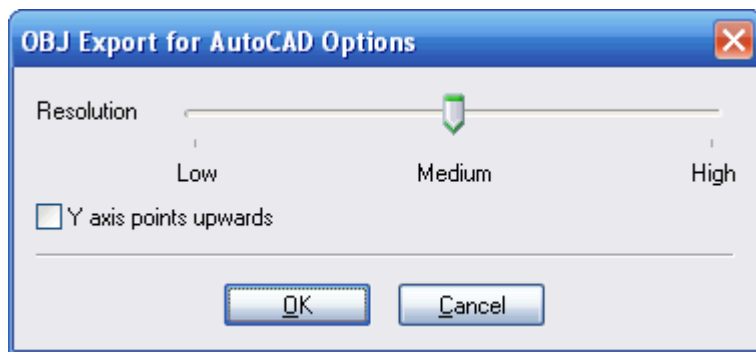


**Step 4:** At the "Select objects" prompt, select the objects you wish to export. Press *Enter* when done.

**Step 5:** The AutoCAD "Save As" dialog box is displayed. Enter the output file name of an OBJ file and click *Save*.



**Step 6:** The "OBJ Export for AutoCAD Options" dialog box is displayed. Set the options as required and click OK.



The model will be exported to the OBJ file you specified.