

# **IGES Export for AutoCAD Help**

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# IGES Export for AutoCAD Help

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Welcome to *IGES Export for AutoCAD* Help!

This help file provides all the information you need to understand and use *IGES 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 *IGES Export for AutoCAD* help file is divided into the following sections:

- [Introduction](#) - Introduction to *IGES Export for AutoCAD*.
- [Command Reference](#) - Quick reference of all the commands added by *IGES 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 *IGES Export for AutoCAD* plug-in file into the AutoCAD environment.
- Please read the [License Agreement](#) before using the software.

# Introduction

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*IGES Export for AutoCAD* is an IGES file export plug-in for AutoCAD. This plug-in gives AutoCAD the ability to export 3D solid objects in AutoCAD to a IGES file.

IGES is a neutral file format which is widely used to exchange data between various CAD systems. *IGES Export for AutoCAD* reads 3D solid objects from the active AutoCAD drawing and exports them to a 3D IGES file which can then be imported into other CAD systems.

*IGES Export for AutoCAD* is powered by the widely used 3D InterOp technology from Spatial. 3D InterOp is the industry standard for proprietary and neutral CAD file format data exchange and is used in almost all the major CAD systems. Besides data exchange 3D InterOp also offers powerful repairing and healing features which are extensively used in *IGES Export for AutoCAD*. Repairing involves checking the file for corrupted data and fixing the invalid data. Healing corrects the differences in precision. *IGES Export for AutoCAD* also creates a detailed log file which is extremely useful in identifying data translation problems and aids in locating and fixing errors.

*IGES 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

*IGES 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 "IGESExport" to the AutoCAD menu containing these newly added commands.

*IGES 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 IGES File Format**

The Initial Graphics Exchange Specification (IGES) file format standard was developed to address the incompatibility issue with various CAD/CAM systems. This standard allows

efficient and accurate exchange of product definition data across almost all CAD/CAM systems. An IGES file is composed of 80-character ASCII records, a record length derived from the punch card era. Text strings are represented in "Hollerith" format, the number of characters in the string, followed by the letter "H", followed by the text string, e.g., "4HSLOT"

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**8.6 Language.** The English language version of this Agreement is legally binding in case of any inconsistencies between the English version and any translations.

## ReadMe

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

Thank you for installing IGES Export for AutoCAD.

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

Loading Instructions:

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Since IGES 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. IGES Export for AutoCAD will automatically load itself into AutoCAD the next time you run AutoCAD.

The IGES Export for AutoCAD plug-in files are installed into the IGES Export for AutoCAD installation folder (typically "C:\Program Files\SYCODE\IGES 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.

```
IGESEExport_VC60.arx    -> AutoCAD 2000, 2000i, 2002
IGESEExport_VC70.arx    -> AutoCAD 2004, 2005, 2006
IGESEExport_VC80.arx    -> AutoCAD 2007, 2008 (32 Bit), 2009 (32 Bit)
IGESEExport_VC80x64.arx -> AutoCAD 2008 (64 Bit), 2009 (64 Bit)
IGESEExport_VC90.arx    -> AutoCAD 2010 (32 Bit)
IGESEExport_VC90x64.arx -> AutoCAD 2010 (64 Bit)
IGESEExport_VC90.arx    -> AutoCAD 2011 (32 Bit)
IGESEExport_VC90x64.arx -> AutoCAD 2011 (64 Bit)
```

To load IGES 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 IGES Export for AutoCAD is completely installed and ready for use.

Usage:

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IGES Export for AutoCAD adds new commands to AutoCAD. The commands added

## IGES Export for AutoCAD Help

are:

- 1) IGESExport - Exports a IGES file
- 2) IGESExportHelp - Displays the IGES Export for AutoCAD help file
- 3) IGESExportRegister - Registers your copy of IGES Export for AutoCAD
- 4) IGESExportAbout - Displays the IGES Export for AutoCAD about box

Sample Files:

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

Support:

=====

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

## Contact

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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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*IGES Export for AutoCAD* adds new commands to AutoCAD and a submenu called "IGESEExport" which houses them. The new commands are:

<a href="#">IGESEExport</a>	Exports an IGES file
<a href="#">IGESEExportHelp</a>	Displays the <i>IGES Export for AutoCAD</i> help file
<a href="#">IGESEExportRegister</a>	Registers your copy of <i>IGES Export for AutoCAD</i>
<a href="#">IGESEExportAbout</a>	Displays the <i>IGES Export for AutoCAD</i> about box

## IGESEExport

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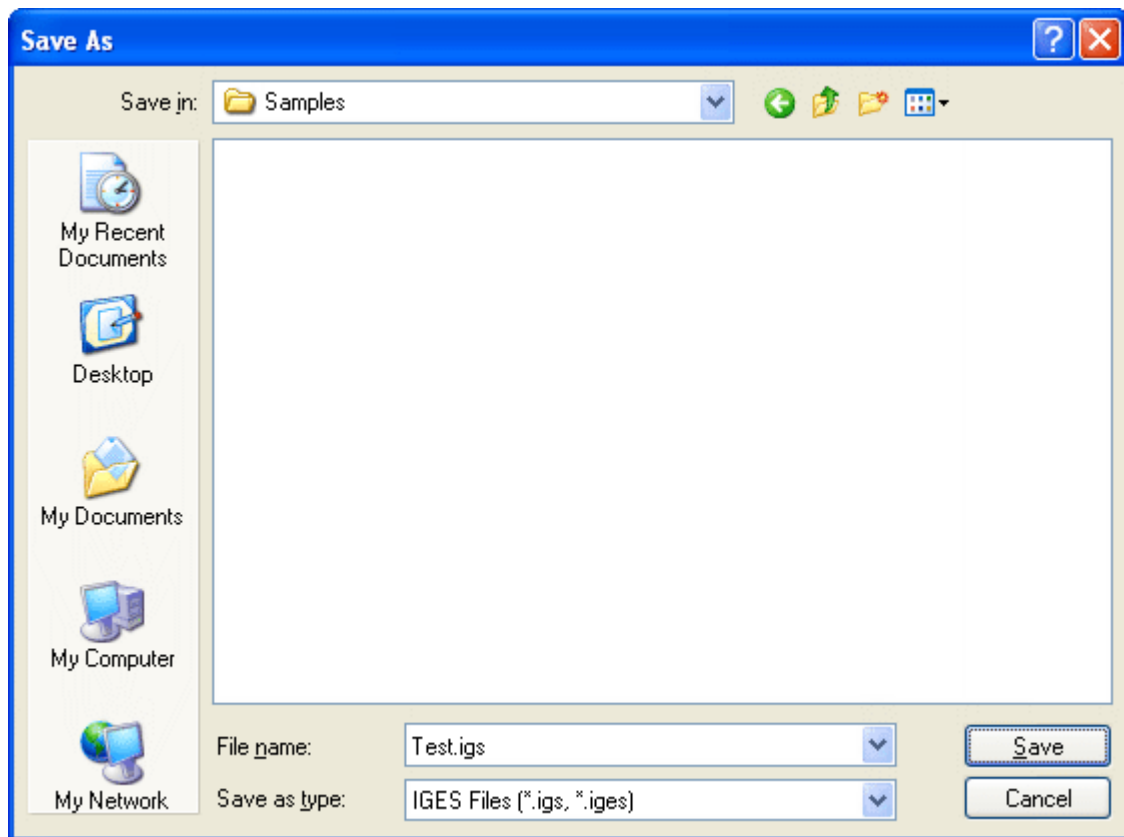
<b>Menu Button</b>	IGESEExport > Export
<b>Command</b>	IGESEExport

---

This command is used to export to a IGES file.

### To export a IGES file

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



4. The "IGES Export for AutoCAD Options" dialog box is displayed. Select the required options and click *OK*.

## IGESExportHelp

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<b>Menu Button</b>	IGESExport > Help
<b>Command</b>	IGESExportHelp

---

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

## IGESExportRegister

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<b>Menu Button</b>	IGESExport > Register
<b>Command</b>	IGESExportRegister

---

This command is used to register your copy of *IGES 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:

## IGES Export for AutoCAD Help

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

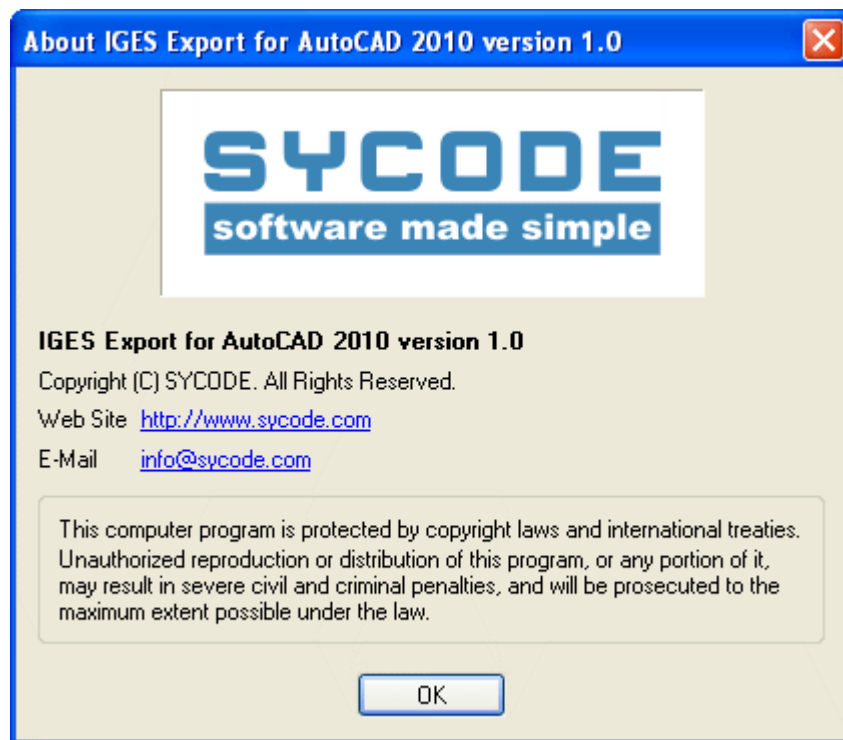
## IGESEExportAbout

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<b>Menu Button</b>	IGESEExport > About
<b>Command</b>	IGESEExportAbout

---

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



# Tutorial

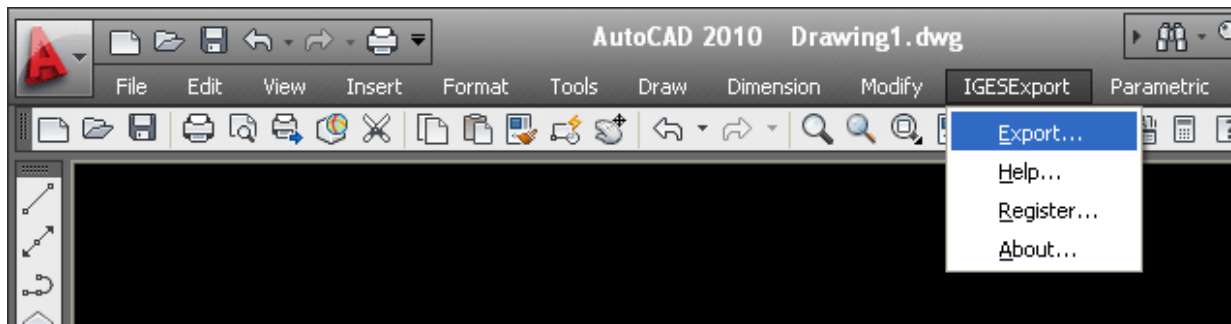
---

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

**Step 1:** Start AutoCAD.

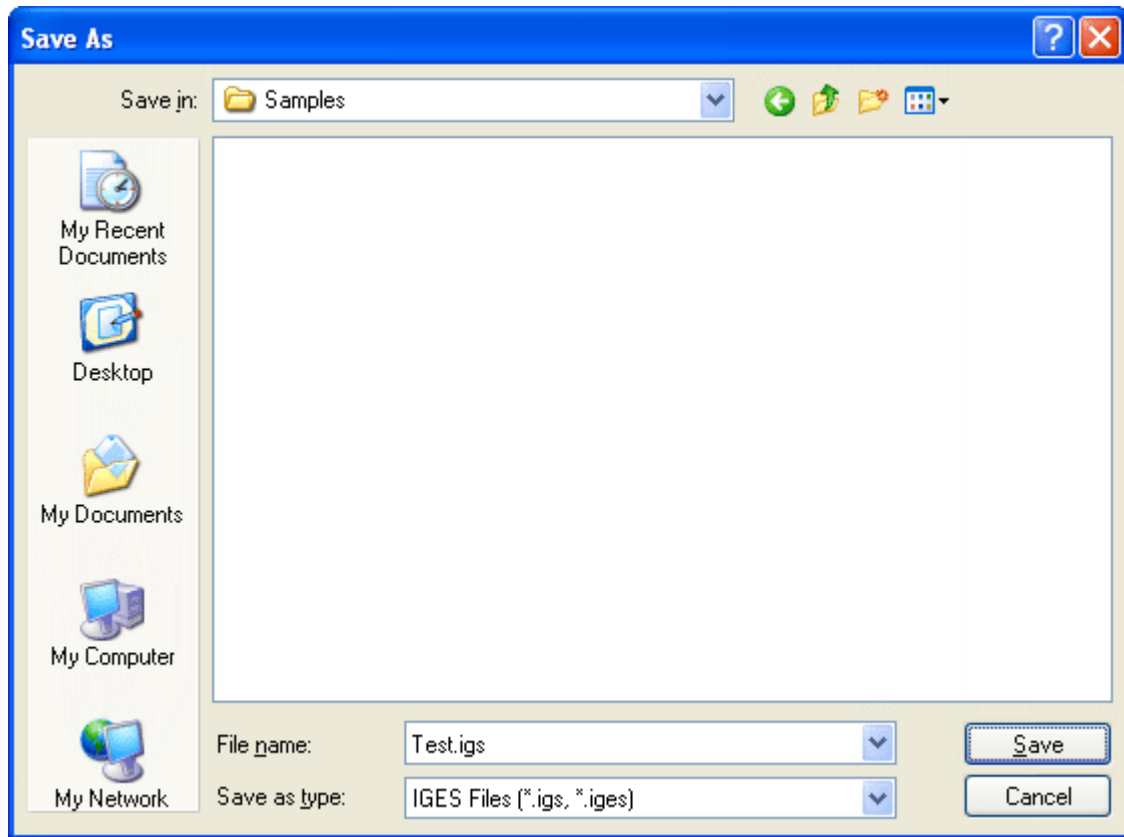
**Step 2:** Select "Open" from the AutoCAD file menu. The "Select File" dialog box is displayed. Select the file C:\Program Files\SYCODE\IGES Export for AutoCAD\Samples\Sample 1.dwg and click *Open*.

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



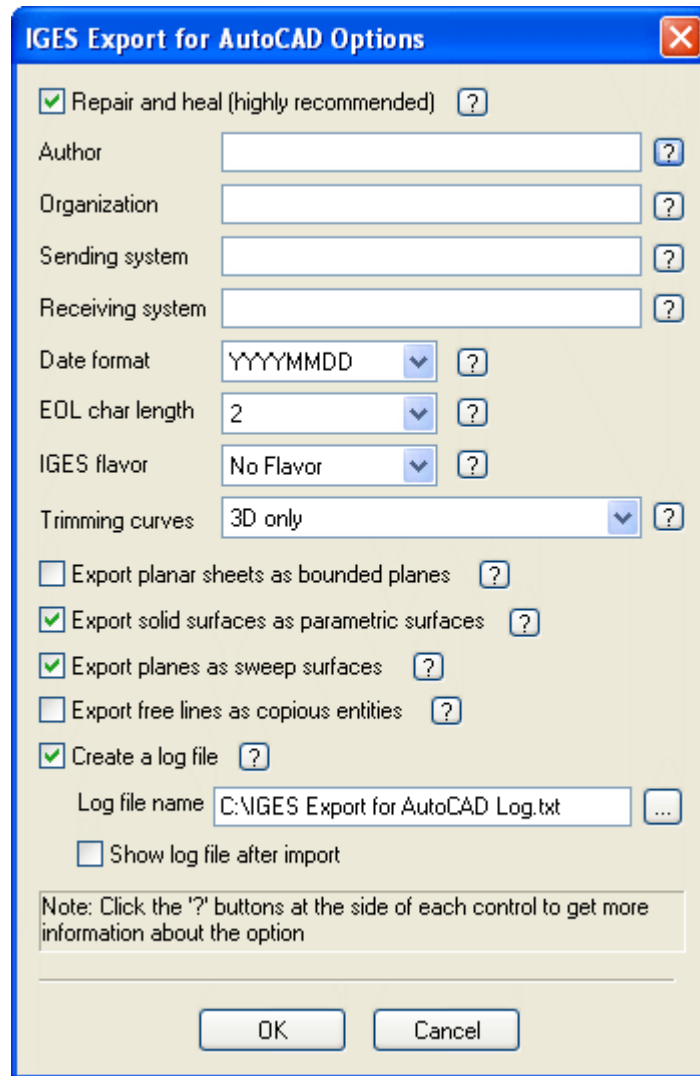
**Step 4:** At the "Select objects" prompt, select the objects you wish to export. Press *Enter* when done.

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



**Step 5:** The "IGES Export for AutoCAD Options" dialog box is displayed. Select the required options and click OK.

## IGES Export for AutoCAD Help



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