

## **OBJ Import for SpaceClaim Help**

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# OBJ Import for SpaceClaim Help

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Welcome to *OBJ Import for SpaceClaim* Help!

This help file provides all the information you need to understand and use *OBJ Import for SpaceClaim*. 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 Import for SpaceClaim* help file is divided into the following sections:

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

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

**Note:**

- If you have trouble loading the *OBJ Import for SpaceClaim* add-in file into the SpaceClaim environment, please refer to the [ReadMe](#) file.
- Please read the [License Agreement](#) before using the software.

# Introduction

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*OBJ Import for SpaceClaim* is a Wavefront (.obj) file import add-in for SpaceClaim®. This add-in gives SpaceClaim the ability to import polygon mesh data from Wavefront OBJ files.

*OBJ Import for SpaceClaim* reads polygon mesh data stored in OBJ files and imports it into SpaceClaim. A polygon mesh in an OBJ file is comprised of a set of triangular or quad faces. *OBJ Import for SpaceClaim* creates trimmed planar surfaces for each face and knits them together to create a solid. The solid is then cleaned up so that adjacent coplanar faces are merged in single trimmed planar faces. If the polygon mesh is closed (i.e. it does not contain boundary edges) then *OBJ Import for SpaceClaim* will create a closed solid feature, otherwise an open surface will be created.

*OBJ Import for SpaceClaim* is designed to work with the following versions of SpaceClaim:

- SpaceClaim 2010 (32 & 64 Bit)
- SpaceClaim 2009+ (32 & 64 Bit)
- SpaceClaim 2009 (32 & 64 Bit)
- SpaceClaim 2008

*OBJ Import for SpaceClaim* is very easy to use. It adds new commands to SpaceClaim. Once installed, it automatically loads itself into SpaceClaim and adds a new ribbon bar to SpaceClaim called "SYCODE" containing the newly added commands.

*OBJ Import for SpaceClaim* 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

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This is an *OBJ Import for SpaceClaim* ReadMe file.

OBJ Import for SpaceClaim is an add-in for SpaceClaim

### Installation:

=====

The installer adds OBJ Import for SpaceClaim to the list of available add-ins installed for SpaceClaim. To verify whether OBJ Import for SpaceClaim has been properly loaded into SpaceClaim go to the "Add-Ins" section in SpaceClaim Options. Verify that "OBJ Import for SpaceClaim" is present in the list of Add-Ins and make sure that its check box is checked.

Now OBJ Import for SpaceClaim is ready for use.

### Usage:

=====

OBJ Import for SpaceClaim adds new commands to SpaceClaim. It also adds a ribbon bar to the SpaceClaim user interface called "SYCODE" containing these new commands. Simply click on the buttons in the ribbon bar to run these new commands.

The new commands are:

- 1) Import - Imports an OBJ file
- 2) Help - Display the OBJ Import for SpaceClaim help file
- 3) Register - Display the OBJ Import for SpaceClaim product registration dialog box
- 4) About - Display the OBJ Import for SpaceClaim about box

### Support:

=====

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

## Contact

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|                 |  |
|-----------------|--|
| Mailing address | S1/116, Nova Cidade Complex,<br>NH 17, Alto Porvorim,<br>Goa - 403521<br>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 Import for SpaceClaim* adds new commands to SpaceClaim. It also adds a ribbon bar to SpaceClaim called "SYCODE" containing these new commands.

The new commands are:

|                          |   |
|--------------------------|---|
| <a href="#">Import</a>   | Imports an OBJ file   |
| <a href="#">Help</a>     | Displays the <i>OBJ Import for SpaceClaim</i> help file                       |
| <a href="#">Register</a> | Displays the <i>OBJ Import for SpaceClaim</i> product registration dialog box |
| <a href="#">About</a>    | Displays the <i>OBJ Import for SpaceClaim</i> about box                       |

## Import

---

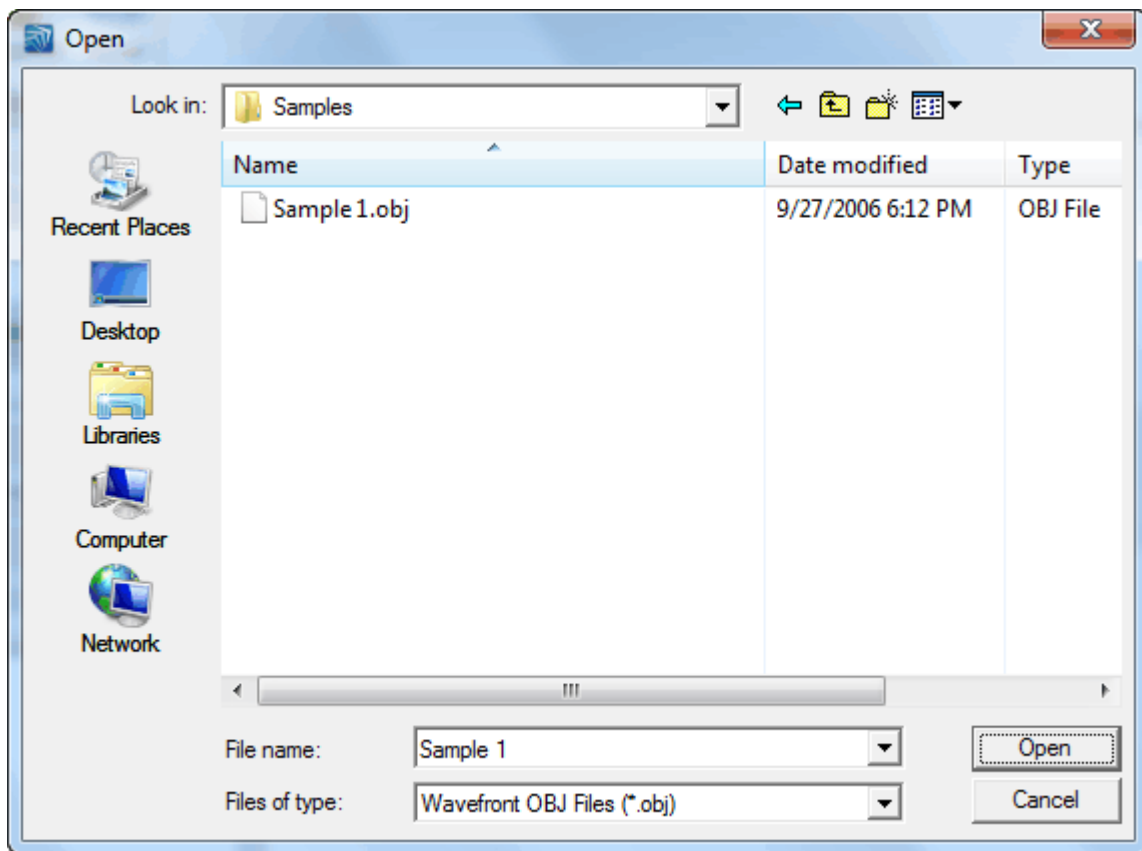
**Menu Button** SYCODE > Import

---

The Import command imports an OBJ file.

### To import an OBJ file

1. Click the *Import* button on the "SYCODE" ribbon bar.
2. You will be presented with a "Open" dialog box. Select the OBJ file you wish to import and click *Open*.



## Help

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**Menu Button**      SYCODE > Help

---

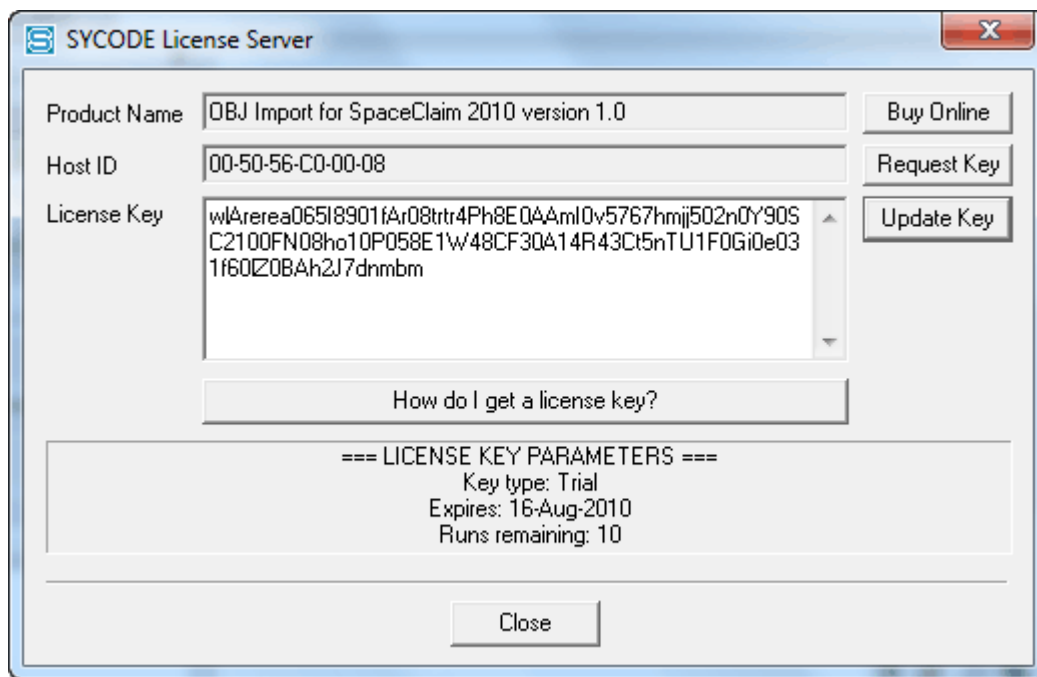
This command displays the help file. The [Welcome](#) page is a good place to start.

## Register

**Menu Button** SYCODE > Register

This is used to register your copy of *OBJ Import for SpaceClaim*.

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 key.

## OBJ Import for SpaceClaim Help

- (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)

## About

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**Menu Button**      SYCODE > About

---

This command displays the *OBJ Import for SpaceClaim* About box. The About box lists the name of the product and its version.



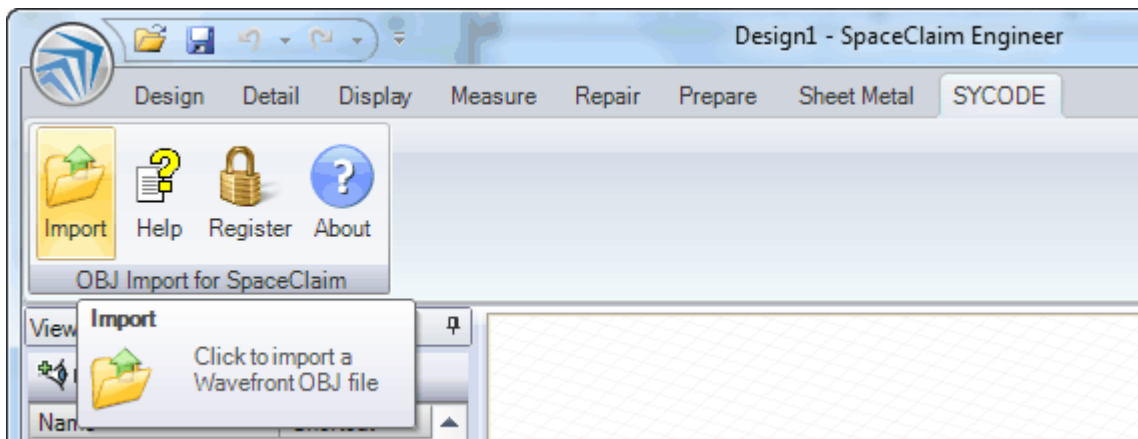
# Tutorial

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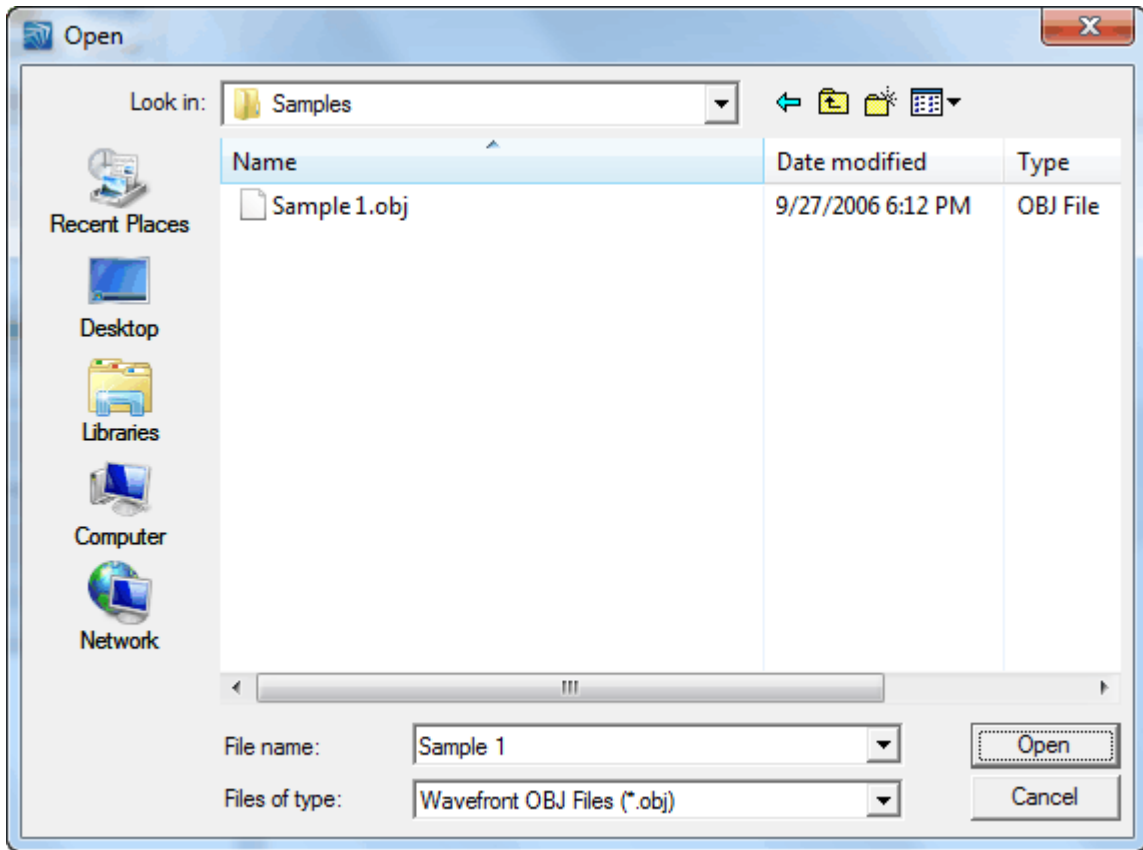
This tutorial provides the necessary information and hands-on experience to help you get started with an *OBJ Import for SpaceClaim*.

**Step 1:** Start SpaceClaim (if you haven't already).

**Step 2:** Click the *Import* button on the "SYCODE" ribbon bar.



**Step 3:** The "Open" dialog box is displayed. Select C:\Program Files\SYCODE\OBJ Import for SpaceClaim\Samples\Sample 1.obj and click *Open*.



The figure below shows the final result

