

## **3DM Import for ARES Help**

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# 3DM Import for ARES Help

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Welcome to *3DM Import for ARES* Help!

This help file provides all the information you need to understand and use *3DM Import for ARES*. 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 *3DM Import for ARES* help file is divided into the following sections:

- [Introduction](#) - Introduction to *3DM Import for ARES*.
- [Command Reference](#) - Quick reference of all the commands added by *3DM Import for ARES*.
- [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 *3DM Import for ARES* add-in file into the ARES environment please refer to the [ReadMe](#) file.
- Please read the [License Agreement](#) before using the software.

# Introduction

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*3DM Import for ARES* is a Rhinoceros® 3D Model / OpenNURBS 3DM file import add-in for *ARES*®. This add-in gives *ARES* the ability to import geometric data from 3DM files.

*3DM Import for ARES* reads polygon mesh data stored in 3DM files and imports it into *ARES*. A object in a 3DM file is comprised of a set of triangular faces. *3DS Import for ARES* creates a polyface mesh for each object and adds it to the active drawing.

*3DM Import for ARES* is designed to work with the following version of *ARES*:

- *ARES* 2010 (32)

*3DM Import for ARES* is very easy to use. Once installed, it must be loaded into the *ARES* environment. Follow the simple instructions in the [ReadMe](#) document which can be found in the installation folder. Once loaded it adds new commands to *ARES*'s existing commands and a new submenu called "3DMImport" to the *ARES* menu containing these newly added commands.

*3DM Import for ARES* comes with detailed documentation for each command as well as a [tutorial](#) to get you started in the shortest possible time.

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

## The 3DM File Format

The 3DM (3D Model) file format is the native file format of Rhinoceros, the NURBS modeling software from Robert McNeel & Associates. The OpenNURBS Initiative was founded by Robert McNeel & Associates in January 2000, with the sole purpose of providing CAD, CAM, CAE and computer graphics software users reliable methods for transferring 3D geometry between applications via the 3DM file format. TerrainCAD, our terrain generation, editing and modeling software, also uses the 3DM file format as its native file format.

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## ReadMe

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This is the *3DM Import for ARES* ReadMe file.

3DM Import for ARES is a add-in for ARES Commander Edition

Please read this ReadMe document carefully and completely. It contains important information which is vital to the proper working of 3DM Import for ARES.

### Loading:

=====

Before you use the 3DM Import for ARES you need to load the add-in into the ARES environment. Loading is a one time process. The add-in will automatically load itself into ARES on startup henceforth. To load the add-in please carry out the following steps:

- 1) Click Tools->Options. This brings up the Options dialog box.
- 2) Select Add-Ins on the left.
- 3) Check the "New" button towards the top right.
- 4) Browse for the add-in DRX file (3DMImport\_ARES\_3.02src\_8.drx) in the 3DM Import for ARES installation folder (typically C:\Program Files\SYCODE\3DM Import for ARES\) and click "Open"
- 5) Check "OK" on the Options dialog box to dismiss it.

### Usage:

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3DM Import for ARES adds new commands to ARES. It also adds a new menu the ARES menu "3DMImport". Use the items on this menu to invoke the newly added commands.

The new commands are:

- 1) Import - Import a 3DM file
- 2) Help - Display the 3DM Import for ARES help file
- 3) Register - Register your copy of 3DM Import for ARES
- 4) About - Display the 3DM Import for ARES about box

Sample files are copied into the Samples folder (typically "C:\Program Files\SYCODE\3DM Import for ARES\Samples"). You can use these sample files to try 3DM Import for ARES.

### 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, 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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*3DM Import for ARES* adds a new command to ARES. It also adds two supporting commands.

<a href="#">3DMImport</a>	Import a mesh from a 3DM file
<a href="#">3DMImportHelp</a>	Displays the <i>3DM Import for ARES</i> help file
<a href="#">3DMImportRegister</a>	Register your copy of <i>3DM Import for ARES</i>
<a href="#">3DMImportAbout</a>	Displays the <i>3DM Import for ARES</i> about box

## 3DMI mport

**Menu Button** 3DMIImport > Import

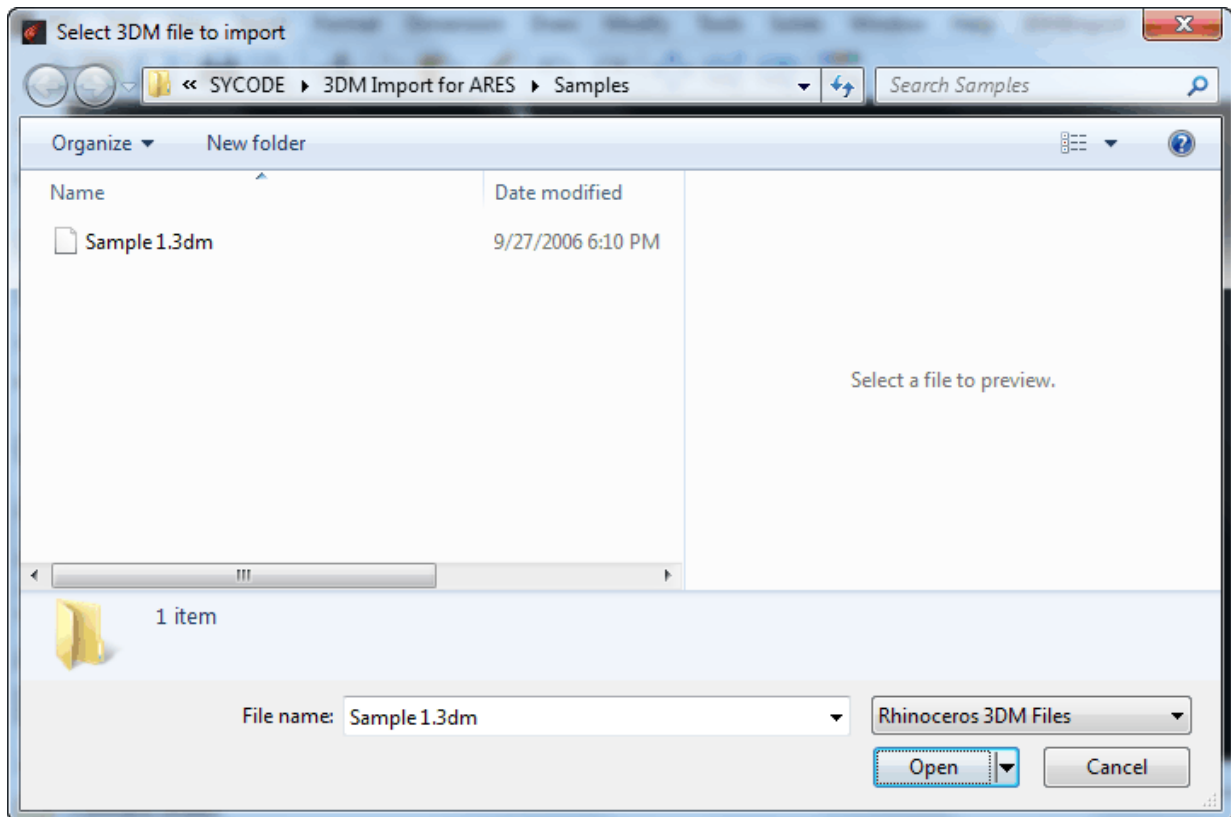
**Command** 3DMIImport

This command imports a mesh from a 3DM file.

This command reads mesh objects from a 3DM file and adds them to the active drawing. The 3DM file format is the native file format of Rhinoceros, the NURBS modeling software from McNeel.

### To import a 3DM file

1. Select *Import* from the "3DMIImport" menu or type *3DMIImport* at the ARES command prompt and press *Enter*.
2. The ARES file "Open" dialog box is displayed. Browse for the 3DM file you wish to import and click *Open*.



3. At the ARES command prompt, select the "Options" as required and click *OK*.

## 3DMI mportHelp

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<b>Menu Button</b>	3DMIimport > Help
<b>Command</b>	3DMIimportHelp

---

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

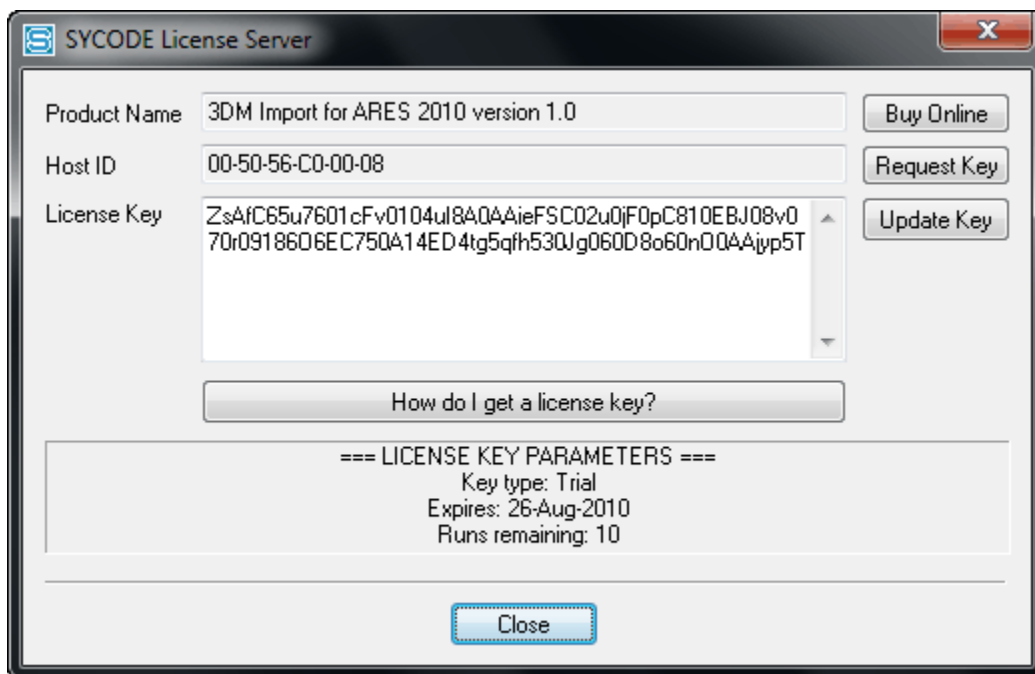
## 3DMIImportRegister

**Menu Button** 3DMIImport > Register

**Command** 3DMIImportRegister

This command is used to register your copy of *3DM Import for ARES*.

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.

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- (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)

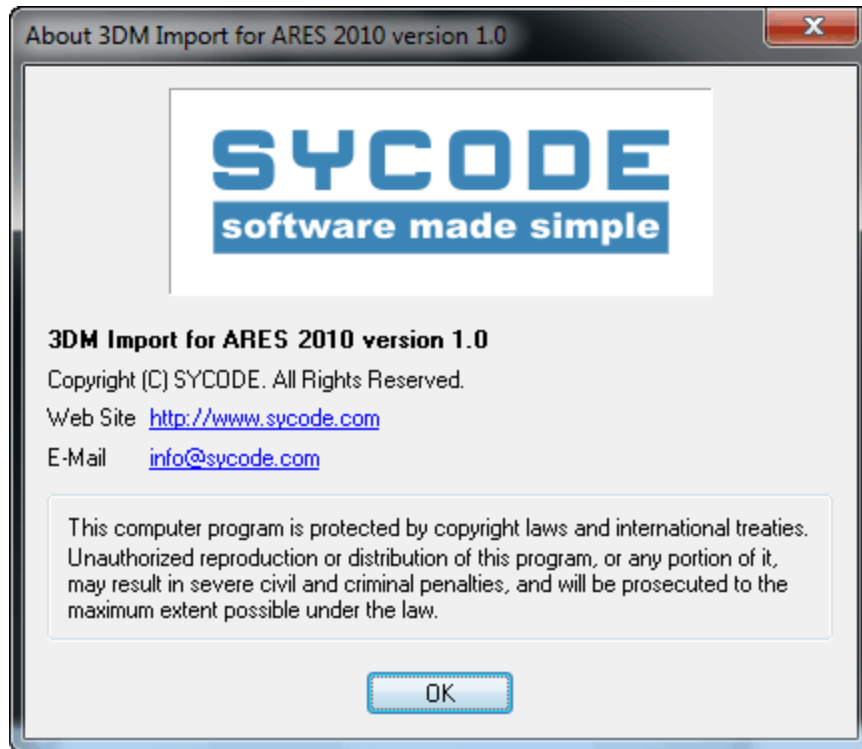
## 3DMImportAbout

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<b>Menu Button</b>	3DMImport > About
<b>Command</b>	3DMImportAbout

---

This command is used to display the *3DM Import for ARES* About box. The About box lists the software and its version.



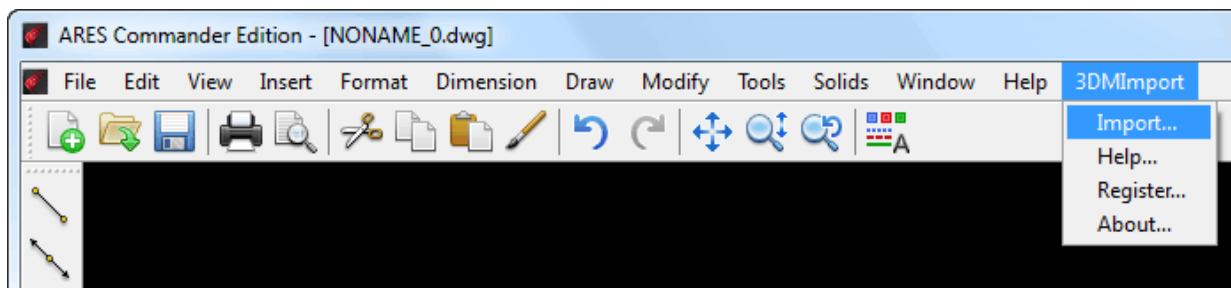
# Tutorial

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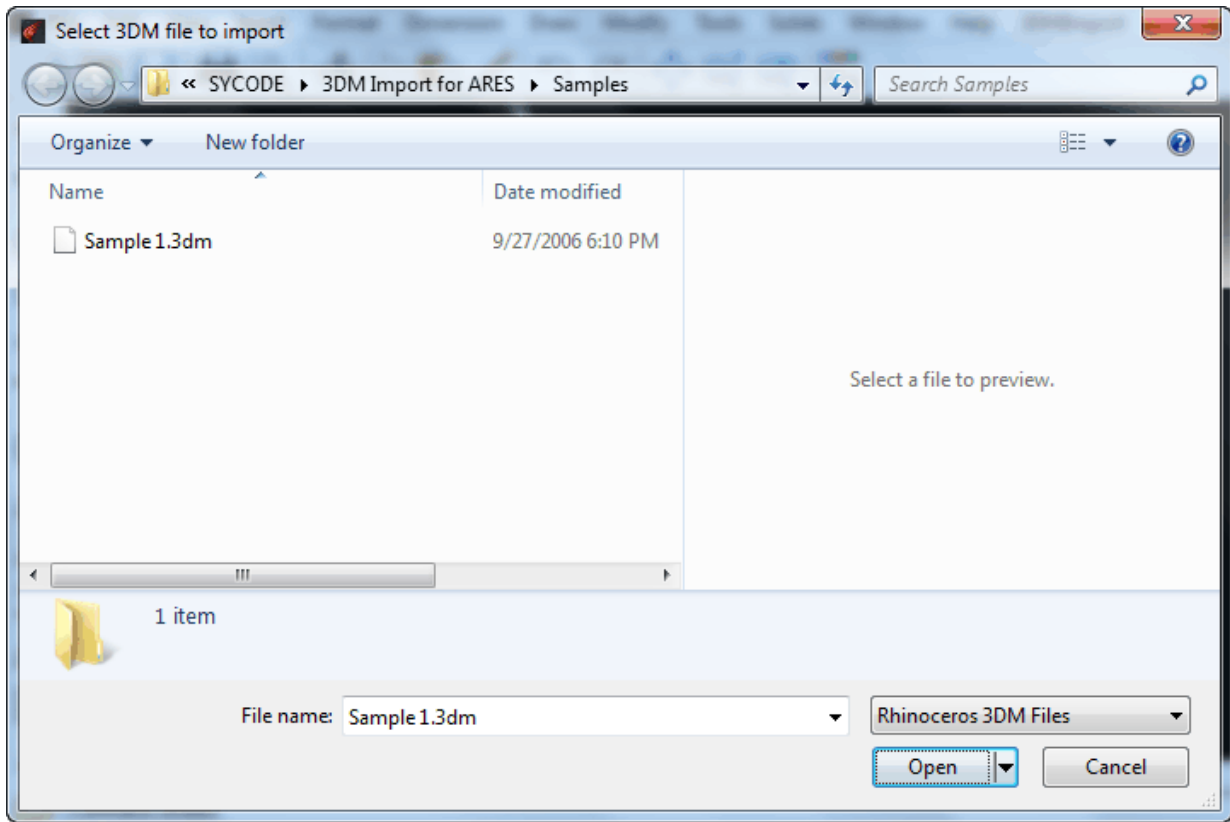
This tutorial provides the necessary information and hands-on experience to help you get started with *3DM Import for ARES*.

**Step 1:** Start ARES.

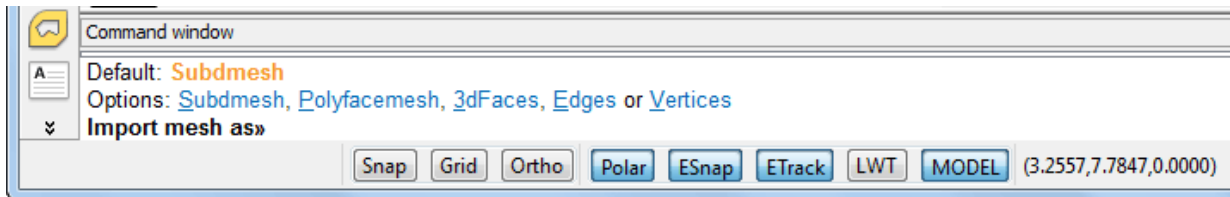
**Step 2:** Select *Import* from the "3DMImport" menu or type *3DMImport* at the ARES command prompt and press *Enter*.



Step 3: The ARES "Open" dialog box is displayed. Browse for the file C:\Program Files\SYCODE\3DM Import for ARES\Samples\Sample 1.3dm and click *Open*.



**Step 4:** At the ARES command prompt, select the "Options" as required and click *OK*.



**Note:**

- When importing a 3DM file object with "Subdmesh" option will import as "Vertices", this is a known limitation and we have reported this behavior to Graebert. Graebert will fix it in the next release.

The figure below shows the final result.

