

## **PLT Import for Rhino Help**

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# PLT Import for Rhino Help

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Welcome to *PLT Import for Rhino* Help!

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

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

# Introduction

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*PLT Import for Rhino* is a HPGL Plot (.plt) file import plug-in for Rhinoceros. This plug-in gives Rhino the ability to import pen movements from HPGL Plot files.

*PLT Import for Rhino* reads pen movement data stored PLT files and imports it into Rhino. A HPGL PLT file is comprised of a set of instructions related to pen movements of HPGL plotters. *PLT Import for Rhino* reads these pen movement instructions and creates curve objects in the active Rhino drawing.

*PLT Import for Rhino* is designed to work with the following versions of Rhino:

- Rhino 5.0 (64 Bit)
- Rhino 4.0, 5.0 (32 Bit)
- Rhino 3.0

*PLT Import for Rhino* is designed to be extremely user friendly and easy to understand. Once installed, it automatically loads itself into the Rhino environment. If automatic loading fails there are manual loading instructions in the ReadMe file. Once loaded it adds new commands to Rhino's existing commands and a new submenu called "PLTImport" to the Rhino menu containing these newly added commands.

*PLT Import for Rhino* 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 PLT File Format**

HPGL is the Hewlett-Packard Graphics Language designed for specifying 2D graphical information for the HP range of plotters. It was not intended as an interchange format but some software suppliers use it as such. HPGL is a command set embedded in the ROM of pen plotters to help reduce the work required by applications programmers to create plotted output. HPGL uses two-letter mnemonics as instructions for drawing lines, circles, text, and simple symbols. HPGL is the primary printer control language used by Hewlett-Packard plotters. It later became a standard for almost all plotters.

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## ReadMe

This is the *PLT Import for Rhino* ReadMe file.

PLT Import for Rhino is a plug-in for Rhinoceros. PLT Import for Rhino adds several new commands to Rhino. It also adds a new menu to the Rhino menu called "PLTImport" which contains these newly added commands.

### Automatic Loading:

=====

PLT Import for Rhino has to be loaded into the Rhino before it can be used. The installer does this automatically. The next time you run Rhino you will see the "PLTImport" menu added to the Rhino menu. Due to an installation problem, if the "PLTImport" menu does not appear then you will have to manually load the plug-in into Rhino.

### Manual Loading:

=====

The PLT Import for Rhino plug-in files are installed into the PLT Import for Rhino installation folder (typically "C:\Program Files\SYCODE\PLT Import for Rhino\"). The plug-in files have an extension of ".rhp". There is one plug-in file for each version of Rhino. The plug-in file name indicates the version of Rhino that it has been designed for.

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

PLTImport\_VC60.rhp -> Rhino 3.0  
PLTImport\_VC80.rhp -> Rhino 4.0, 5.0 (32 Bit)  
PLTImport\_VC80x64.rhp -> Rhino 5.0 (64 Bit)

To load PLT Import for Rhino into Rhino please follow the steps listed below:

- (1) Start Rhino
- (2) Type "PlugInManager" at the command prompt and press "Enter"
- (3) Click the "Install" button.
- (4) Browse for the plug-in file for your version of Rhino in the PLT Import for Rhino installation folder.
- (5) Click the "Open" button.
- (6) Click the "Close" button.

### Usage:

=====

PLT Import for Rhino adds a new menu to Rhino called "PLTImport". All the PLT Import for Rhino commands can be invoked from this new menu.

### 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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*PLT Import for Rhino* adds new commands to Rhino and a submenu called *PLTImport* which houses them. The new commands are:

<a href="#">PLTImport</a>	Imports a PLT file
<a href="#">PLTImportHelp</a>	Displays the <i>PLT Import for Rhino</i> help file
<a href="#">PLTImportRegister</a>	Register your copy of <i>PLT Import for Rhino</i>
<a href="#">PLTImportAbout</a>	Displays the <i>PLT Import for Rhino</i> about box

## PLTImport

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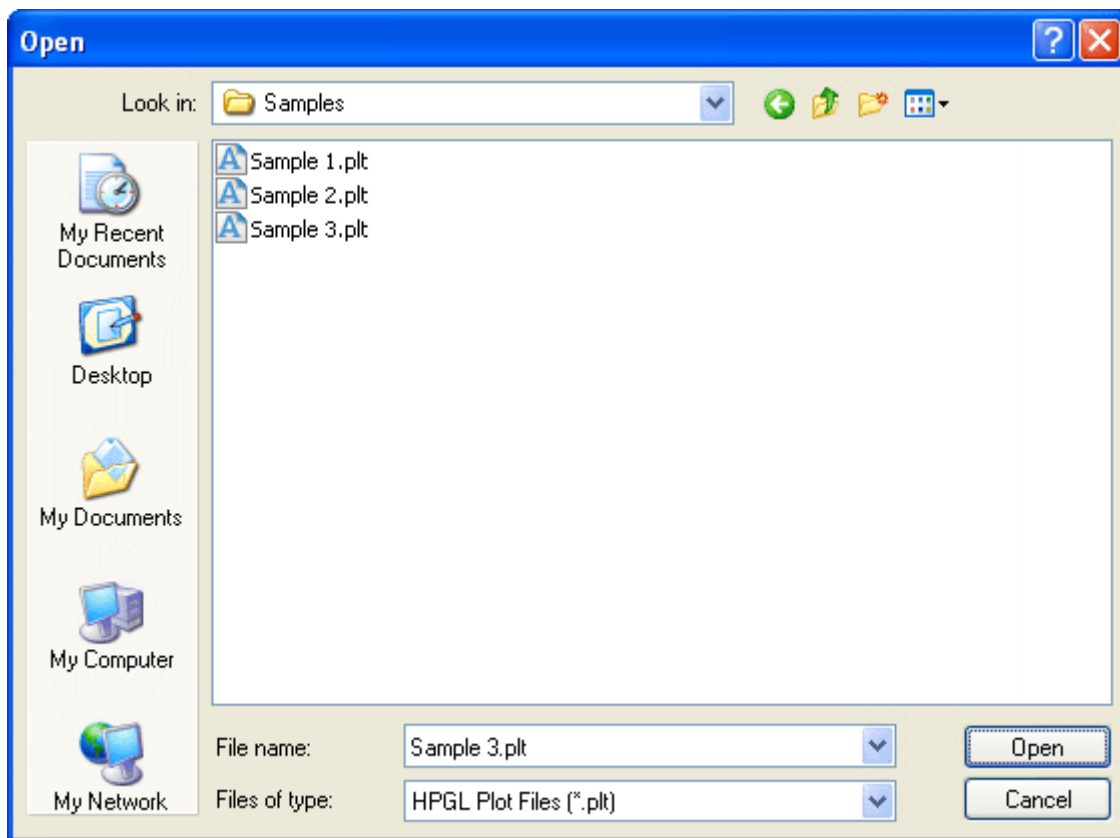
<b>Menu Button</b>	PLTImport > Import
<b>Command</b>	PLTImport

---

This command imports pen movements from HPGL Plot files.

### To import a PLT file

1. Select *Import* from the PLTImport menu or type *PLTImport* at the Rhino command prompt and press *Enter*.
2. The Rhino file *Open* dialog box is displayed. Browse for the PLT file you wish to import and click *Open*.



## PLTImportHelp

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<b>Menu Button</b>	PLTImport > Help
<b>Command</b>	PLTImportHelp

---

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

## PLTImportRegister

---

<b>Menu Button</b>	PLTImport > Register
<b>Command</b>	PLTImportRegister

---

This command is used to register your copy of *PLT Import for Rhino*.

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.

The screenshot shows a window titled "SYCODE License Server". It contains the following fields and buttons:

- Product Name:** PLT Import for Rhino 5.0 version 1.0
- Host ID:** 00-1E-8C-9C-71-44
- License Key:** vDAa4C107201uDc0F04moB9QAAu33u406QDRa0I9217D5b047C50r17E2FX94C8DQA14c54uQ8nZB65Cjr46089360HEAAJmH2E
- Buttons:** Buy Online, Request Key, Update Key, How do I get a license key?, Close
- License Key Parameters:**
  - Key type: Trial
  - Expires: 05-Apr-2010
  - Runs remaining: 10

### 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.

## PLT Import for Rhino 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)

## PLTImportAbout

---

<b>Menu Button</b>	PLTImport > About
<b>Command</b>	PLTImportAbout

---

This command displays the *PLT Import for Rhino* About box. The About box lists the software and its version.



# Tutorial

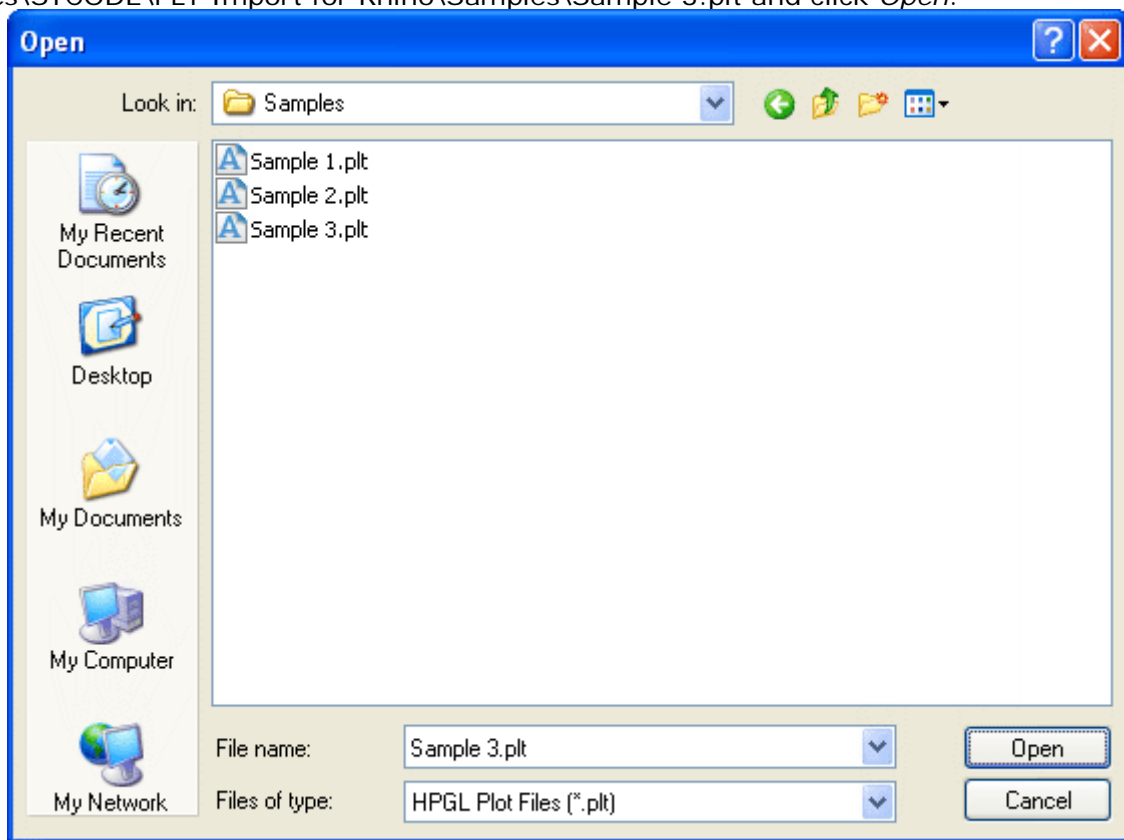
---

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

**Step 1:** Start Rhino.

**Step 2:** Select *Import* from the *PLTImport* menu or type *PLTImport* at the Rhino command prompt and press *Enter*.

**Step 3:** The *Rhino* Open dialog box is displayed. Browse for the file *C:\Program Files\SYCODE\PLT Import for Rhino\Samples\Sample 3.plt* and click *Open*.



The figure below shows the final result.

