



Licensing Guide

For All Geomagic Products | November, 2013

Copyright Notice

©1993-2013. 3D Systems, Inc. All rights reserved. Produced in the USA. 11/30/13

The content of this manual is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment by 3D Systems, Inc. Any names, places, and/or events in this publication are not intended to correspond or relate in any way to individuals, groups or associations. Any similarity or likeness of the names, places, and/or events in this publication to those of any individual, living or dead, place, event, or that of any group or association is purely coincidental and unintentional.

No warranties of any kind are created or extended by this publication. Any products and related material disclosed in this publication have only been furnished pursuant and subject to the terms and conditions of a duly executed agreement to license the Software. Any warranties made by 3D Systems, Inc. with respect to the Software described in this publication are set forth in the License Agreement provided with the Software and printed in this publication. As more definitively stated and set forth in the License Agreement, 3D Systems, Inc. does not and will not accept any financial or other responsibility that may result from use of the Software or any accompanying material including, without limitation, any direct, indirect, special or consequential damages.

Individuals or organizations using the Software should ensure that the user of this information and/or the Software complies with the laws, rules, and regulations of the jurisdictions with respect to which it is used. This includes all applicable laws concerning the export of technology and the protection of intangible or intellectual property rights. 3D Systems, Inc. asserts its rights in and will endeavor to enforce all proprietary rights embodied in the Software and this publication including, without limitation, all copyright, patent, trademark, and trade secrets or proprietary information. The only rights given to an individual or organization purchasing the Software are those explicitly set forth in the License Agreement. Other than as explicitly allowed in the License Agreement, copying the Software or this material (including any format or language translation) is prohibited absent the prior written consent of 3D Systems, Inc.

3D Systems, 3D Systems, Inc., Geomagic, Geomagic Capture, Geomagic Design, Geomagic Design X, Geomagic Design Direct, Geomagic Studio, Geomagic Verify, Geomagic Control, Geomagic Wrap, Geomagic Freeform, Geomagic Freeform Plus, Geomagic Sculpt, Geomagic Capture for SolidWorks, Geomagic Capture for SpaceClaim, and all product logos are either registered trademarks or trademarks of 3D Systems, Inc. All other trademarks within this user guide & tutorial are the property of their respective owners and are used for identification purposes only. Other than to identify this Software and publication, individuals or organizations purchasing the software are not entitled to use 3D Systems's trademarks without 3D Systems's prior written consent.

Correspondence regarding this publication should be directed to:

3D Systems, Inc. Geomagic Solutions.

Email:

geomagic.sales.americas@3dsystems.com

geomagic.sales.emea@3dsystems.com

geomagic.sales.japan@3dsystems.com

geomagic.sales.china@3dsystems.com

geomagic.sales.apac@3dsystems.com

geomagic.sales.korea@3dsystems.com

Web: www.geomagic.com/

Table of Contents

1. OVERVIEW	1
2. LICENSING QUESTIONS AND SUPPORT	3
3. GETTING AN EVALUATION LICENSE.....	4
4. PRODUCT LICENSING.....	6
4.1. Virtual Dongle (Node Lock)	6
4.1.1. Geomagic License Utility	6
4.2. Virtual Dongle with Local Network Sharing (Floating).....	7
4.2.1. Geomagic License Server Utility for Server License	8
4.2.2. Geomagic License Utility for Client License	9
4.3. USB Dongle	10
5. LICENSING WITH VIRTUAL DONGLE (NODE LOCK)	12
5.1. Product Activation	12
5.2. Product Deactivation	15
5.3. License Expiration	16
5.4. Updating a License	16
5.5. Repairing a License	17
6. LICENSING WITH VIRTUAL DONGLE WITH LOCAL NETWORK SHARING (FLOATING).....	19
6.1. Product Activation	19
6.1.1. Server Activation	19
6.1.2. Client Activation	22
6.1.3. Checking Server License Information	24
6.2. Product Deactivation	24
6.2.1. Server Deactivation.....	24
6.2.2. Client Deactivation.....	25
6.3. License Expiration	26
6.4. Repairing a License	26

6.5. Borrowing a License	28
6.5.1. Borrowing of a License	28
6.5.2. Returning a Borrowed License.....	29

6.6. Changing Port Number	30
6.6.1. Changing Port Number on Server.....	30
6.6.2. Changing a Port Number on a Client	31

7. LICENSING WITH USB DONGLE 32

7.1. Using USB Dongle	32
7.1.1. Activation and Deactivation Product.....	32
7.1.2. Maintanece Date Expires	33
7.1.3. Maintenance Date Update	34

7.2. Using USB Floating Dongle.....	34
7.2.1. Install Dongle Driver	34
7.2.2. Check Floating Server Working	37

1. Overview

Evaluation License

Geomagic products can be used for free for a certain period of time without an activation code for evaluation purposes.

Product Licensing

Geomagic supports licensing tools to activate, deactivate, update, borrow, or repair a license depending on the license type.

Activating and Deactivating a License

Licenses should be activated to use products and deactivated when moving licenses or changing PC's. Activation and deactivation methods for licenses differ depending on network connectivity.

License Expiration

After a license expires, the application will display options that include obtaining a renewal code, reactivation using a previously obtained renewal code, and switching to a floating license from a license server.

Updating a License

Depending on the type of license received and network connectivity, updating a Geomagic product can be accomplished in multiple ways.

Repairing a License

When a Geomagic product does not run due to license problems, the license may need to be repaired. Licenses can be repaired using the repair function in the Geomagic License Utility.

Borrowing a License

When a license type is a virtual dongle with local network sharing (floating) and a user would like to temporarily use Geomagic software on a client PC without accessing the license server system, a license can be borrowed for an assigned period.

Changing Port Number

If a license conflicts with the port of another application, change the port number. The application uses port 27006 by default.

2. Licesing Questions and Support

If you have any question and problem about licensing or pricing, please contact us using the details below:

Phone: +1 408-642-3965
Toll-free in the USA: 888-715-4687
E-mail: 3dsystems@flexnetoperations.com

Korea
Phone: +82 2 6262 9900
E-mail: geomagic.sales.korea@3dsystems.com

APAC
Phone: +60 123 988 473
E-mail: geomagic.sales.apac@3dsystems.com

China
Phone: +86 21 6432 0776
E-mail: geomagic.sales.china@3dsystems.com

Japan
Phone: +81 3 5798 2510
E-mail: geomagic.sales.japan@3dsystems.com

EMEA(Europe)
Phone: +49 (0) 711 71 91 7887
E-mail: geomagic.sales.emea@3dsystems.com

	Web Sites		Email Addresses
Geomagic Solutions	http://www.geomagic.com	Technical Support	support@geomagic.com
Technical Support	http://support.geomagic.com	Training	geomagic.train@3dsystems.com
Training	http://training.geomagic.com	Licensing	3dsystems@flexnetoperations.com
		Marketing	marketinginfo@geomagic.com

3. Getting an Evaluation License

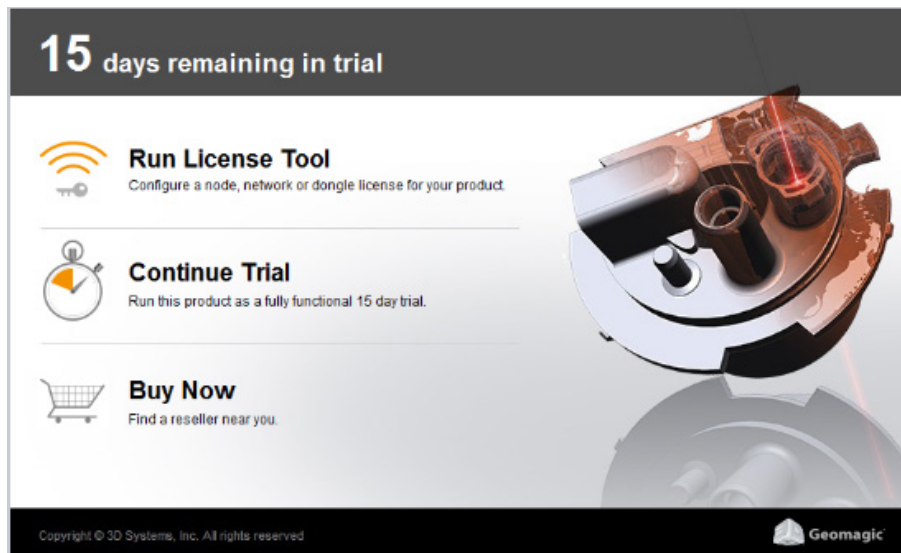
Geomagic products can be used for free for a certain period of time without an activation code for evaluation purposes.

1. Install an evaluation version of a Geomagic product and start the application.

Note:

If this is your first time to execute a trial version of the application, click the Activate Trial button then fill your E-mail address in the registration field to register your account. In the next time, you can use the trial version of the application for a certain period by clicking the "Continue Trial" button

2. During the evaluation period, the remaining days until expiration will be displayed in the title bar and the following page in the middle of the application.



3. Once an evaluation period of an application expires, it cannot be used on the same PC again. When the application is opened and the evaluation period is expired, a dialog box will be displayed. It can be used to renew an activation code, or to activate a renewal activation code if one has already been obtained.



Virtual Dongle

The default license type for Geomagic products is a Virtual Dongle (Online Activation). You can activate or deactivate licenses to move from machine to machine. Internet access is required for this license type.



Virtual Dongle with Local Network Sharing

With a Virtual Dongle with Local Network Sharing license; multiple users can access a pool of licenses stored on a local server. This requires the installation and activation of the Geomagic License Server utility on a computer within your local network. At least local network access is required for this license type.



USB Dongle

An USB Dongle is a physical license key that can execute the application. Insert your USB dongle to any available USB port on your machine then execute the application.



Buy Now

Start here to get a new activation code.

[HELP](#) [How do I check my license type?](#)

4. Product Licensing

Geomagic supports three types of licenses:

- **Virtual Dongle (Node Lock)** – Is the default license type for Geomagic. You can activate or deactivate licenses to move from PC to another PC. Internet access is required for this license type.
- **Virtual Dongle with Local Network Sharing (Floating)** – With a Local Network Sharing license; multiple users can access a pool of licenses stored on a local server. This requires the installation and activation of the Geomagic License Server utility on a computer within your local network. At least local network access is required for this license type.
- **USB Dongle** – Is a physical license key that can execute the application.

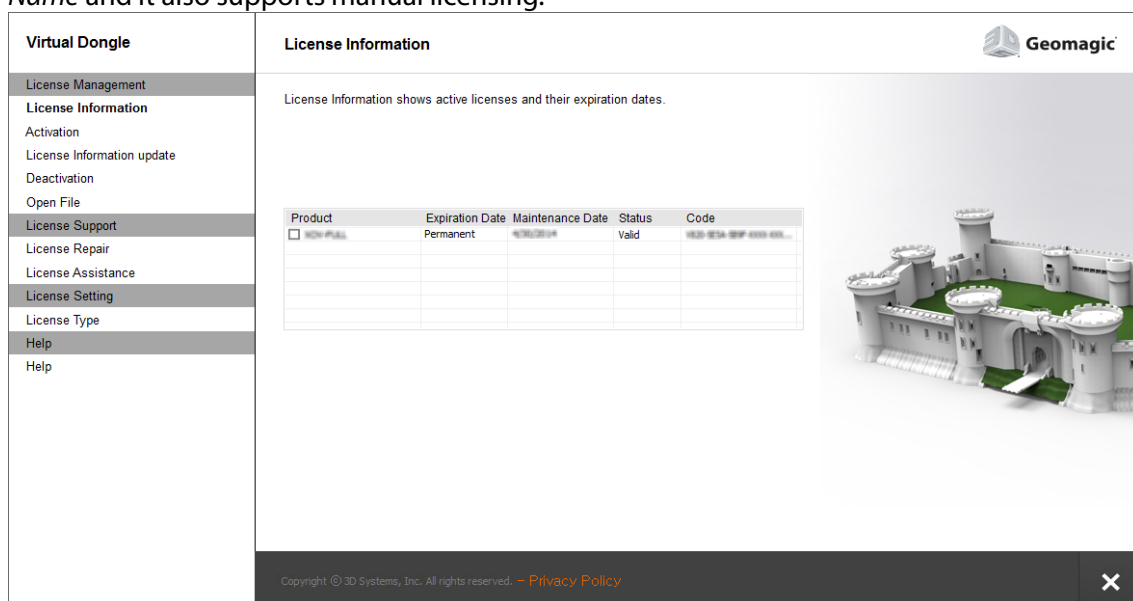
Licensing tools differ depending on the license type.

4.1. Virtual Dongle (Node Lock)

This section explains the **Geomagic License Utility** license management system.

4.1.1. Geomagic License Utility

The Geomagic License Utility can be accessed by going to *Start > All Programs > 3D Systems > Product Name* and it also supports manual licensing.



License Management

- **License Information:** Shows the Expiration Date, Maintenance Date, Status, and Code of a license.
- **Activation:** Users can activate a license by going to **Help > Activate License**. Alternatively, this menu in the Geomagic License Utility can be used.
- **License information Update:** updates the license information.
- **Deactivation:** Deactivates a license. Licenses should be deactivated when changing PC's.
- **Open File:** Opens a .asr file to complete licensing when extending an evaluation license

License Support

- **License Repair:** Repairs broken licenses. A license needs to be repaired when a system date is changed after receiving the license.
- **License Assistance:** Makes a log file. Log files help to solve problems when requesting support.

License Setting

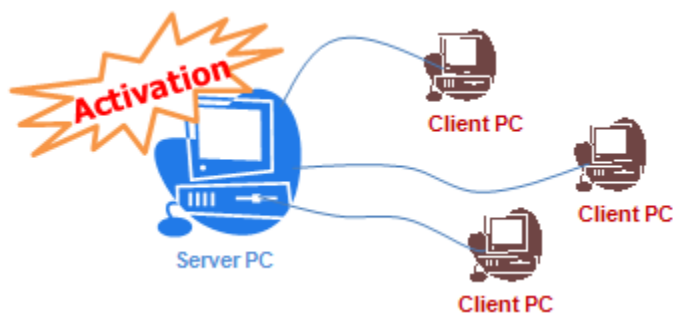
- **License Type:** Selects any license type of a Virtual Dongle, Virtual Dongle with Local Network Sharing license, or USB Dongle.

Help

- **Help:** Opens the Licensing Guide.

4.2. Virtual Dongle with Local Network Sharing (Floating)

This section explains the **Geomagic License Server Utility** on a server PC and the **Geomagic License Utility** on a client PC and how licenses are managed by communication between client and server PC's.



Note:

For a floating license the **License Information** option in the Help menu in the application only shows license information. To make changes to a license the Geomagic License Utility must be used.

4.2.1. Geomagic License Server Utility for Server License

The Geomagic License Server Utility found at *Start > All Programs > 3D Systems > Geomagic License Server Utility* supports server licenses.

The screenshot shows the 'Activation' window of the Geomagic License Server Utility. On the left is a sidebar menu with the following items: Floating Server, License Management (expanded), License Information, Activation, License Information update, Deactivation, License Support, License Repair, License Assistance, License Setting, Geomagic License Service, Change TCP/IP Port Number, Help, and Help. The main area is titled 'Activation' and contains the text 'Enter your Activation Code and registered user email.' Below this are input fields for 'Activation Code' and 'E-mail', each with a red asterisk indicating a required field. An example code '1234-5678-ABCD-EFGH' is provided. To the right is a 3D rendering of a castle. At the bottom, there are links for 'What is the activation process?', 'How do I confirm my activation code?', and 'Advantage of registration of User Information'. The footer includes 'Copyright © 3D Systems, Inc. All rights reserved. - Privacy Policy' and navigation buttons for back and close.

License Management

- **License Information:** Shows licenses that can be managed.
- **Activation:** Registers a license.
- **License Information Update:** Updates the license information.
- **Deactivation:** Deactivates a license. Licenses should be deactivated when changing PC's.

License Support

- **License Repair:** Repairs broken licenses. A license needs to be repaired when a system date is changed after receiving the license.
- **License Assistance:** Makes a log file. Log files help to solve problems when requesting support.

License Setting

- **Geomagic License Service:** Used for manual activation or deactivation of floating licenses.
- **Change TCP/IP Port Number:** Changes the TCP/IP port number between a server and a client.

Help

- **Help:** Opens the Licensing Guide.

4.2.2. Geomagic License Utility for Client License

The Geomagic License Utility found at *Start > All Programs > 3D Systems > Product Name* supports client licenses.

Server Name	TCP/IP Port Number	Connection Status
<input type="checkbox"/> apgservr	27006	OK

License Management

- **License Server Registration:** Registers a license server by using its server name and TCP/IP port number.
- **Borrowing License:** Borrows licenses from a registered license server. Borrowed license can be returned to the license server when a user is using a local network sharing (floating) virtual dongle license and wants to temporarily use the application on a client PC without accessing the license server system.

License Support

- **License Repair:** Repairs broken licenses. A license needs to be repaired when a system date is changed after receiving the license.

- **License Assistance:** Makes a log file. Log files help to solve problems when requesting support.

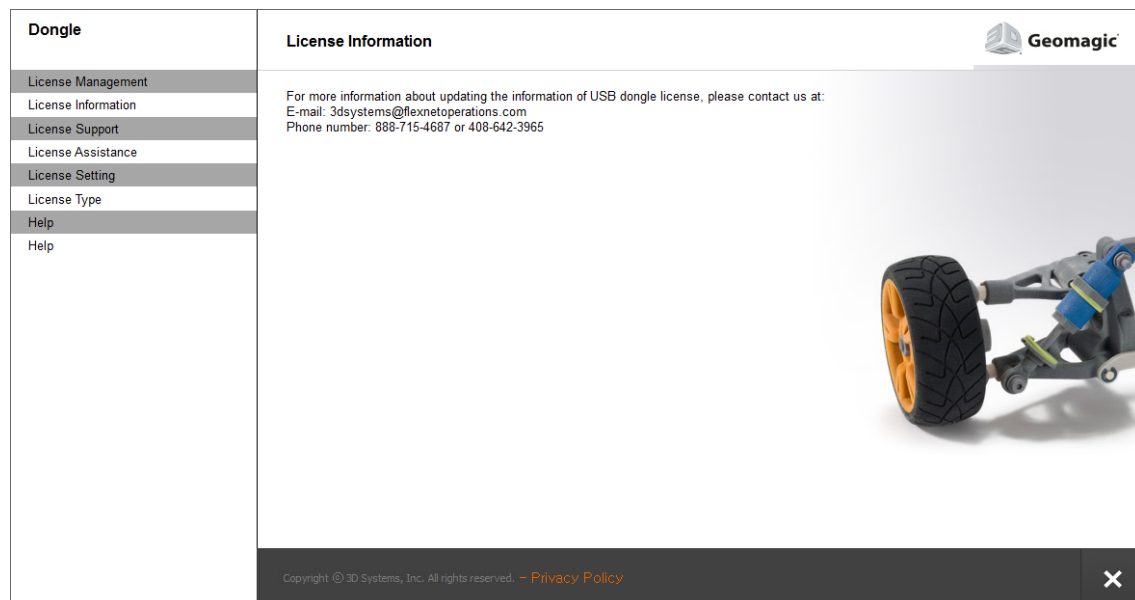
License Setting

- **License Type:** Selects any license type of a Virtual Dongle, Virtual Dongle with Local Network Sharing license, or USB Dongle .

Help

- **Help:** Opens the Licensing Guide.

4.3. USB Dongle



License Management

- **License Information:** Displays the current maintenance date and contains the option to update the maintenance code if necessary.

License Support

- **License Assistance:** Makes a log file. Log files help to solve problems when requesting support.

License Setting

- **License Type:** Selects any license type of a Virtual Dongle, Virtual Dongle with Local Network Sharing license type, or Physical Dongle.

Help

- **Help:** Opens the Licensing Guide.

5. Licensing with Virtual Dongle (Node Lock)

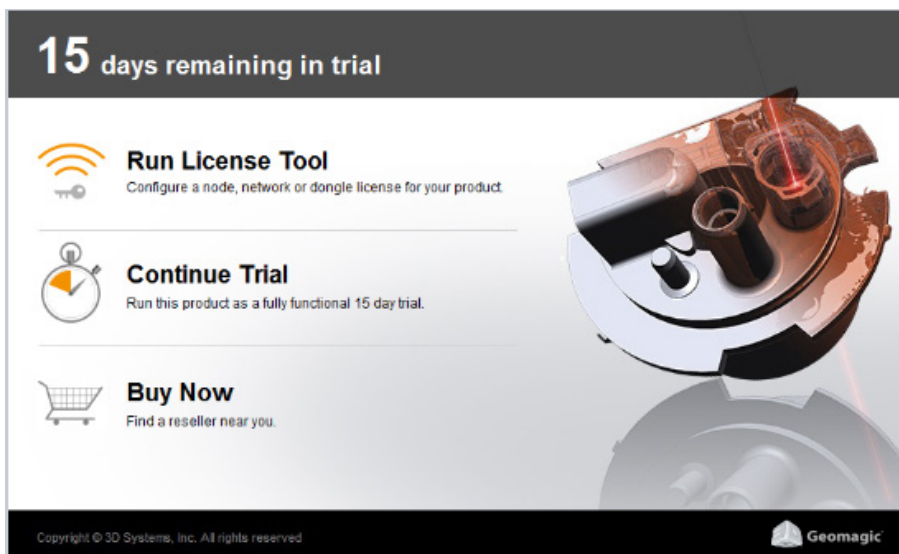
This chapter explains how to do the followings:

- Activate a Product
- Deactivate a Product
- Renew an Expired License
- Update a License
- Repair a License

5.1. Product Activation

When a PC is connected to the internet, all activation codes will be automatically validated.

1. When the dialog is displayed, click the **Run License Tool** to use Geomagic License Utility.



Note:


There are another ways to use the Geomagic License Utility:

- Go to *Start > All Programs > 3D Systems > Product Name > Geomagic License Utility* and click the **Activation** menu to activate a license.

2. Select **Virtual Dongle**.


Select License Type

Geomagic




Virtual Dongle

The default license type for Geomagic products is a Virtual Dongle (Online Activation). You can activate or deactivate licenses to move from machine to machine. Internet access is required for this license type.




Virtual Dongle with Local Network Sharing

With a Virtual Dongle with Local Network Sharing license; multiple users can access a pool of licenses stored on a local server. This requires the installation and activation of the Geomagic License Server utility on a computer within your local network. At least local network access is required for this license type.



USB Dongle

An USB Dongle is a physical license key that can execute the application. Insert your USB dongle to any available USB port on your machine then execute the application.



Buy Now

Start here to get a new activation code.


[HELP](#) [How do I check my license type?](#)

Copyright © 3D Systems, Inc. All rights reserved. - [Privacy Policy](#)

×

3. Enter an activation code and E-mail address.

Activation Code	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	*
E-mail	<input type="text"/>				

4. Click the  (**Next**) button.

Note:

If you already registered your account, the activation process will be done in this step. If you are a first time user, go to the next step to continue.

5. Fill your information in the fields to create a new user account.

My Information

First Name

Last Name

Company


Phone

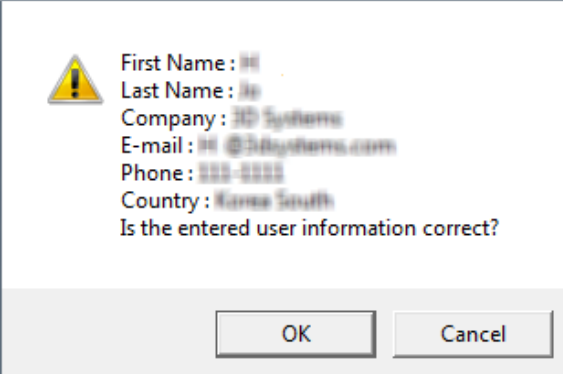
Country

- Select country -

Note:

Items marked by an asterisk (*) are mandatory.


6. Click the  (**Next**) button.
7. Click the **OK** button to confirm information.



A dialog box with a yellow warning triangle icon. It contains the following text:

First Name :
 Last Name :
 Company : 3D Systems
 E-mail :
 Phone :
 Country : Korea South
 Is the entered user information correct?

At the bottom are two buttons: **OK** and **Cancel**.

8. When the activation process is completed, a confirmation screen will be displayed. Click the  (**Close**) button.

Note:


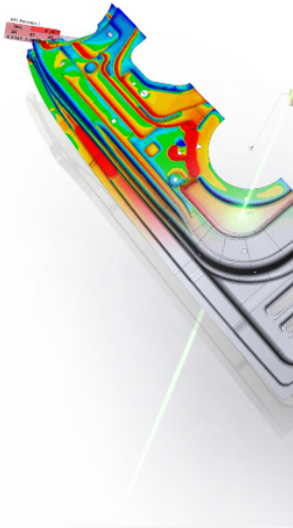
Maintain online environment. You will not be able to use the application unless the license information is updated for 30 days. Connect your pc to the internet and run the application to update the license information.

Activation is now complete


The license activation is complete.
Restart the program to apply the license.

Product	Expiration Date	Maintenance Date	Status	Code
<input type="checkbox"/> NON-PLA		12/31/2014	Valid	1123-1234-5678-9101-1234...

NOTE
Return a license to a Geomagic License Server using the license deactivation tool when installing a new C changing PC's. If a license is not deactivated, it will be deleted and unable to be used.

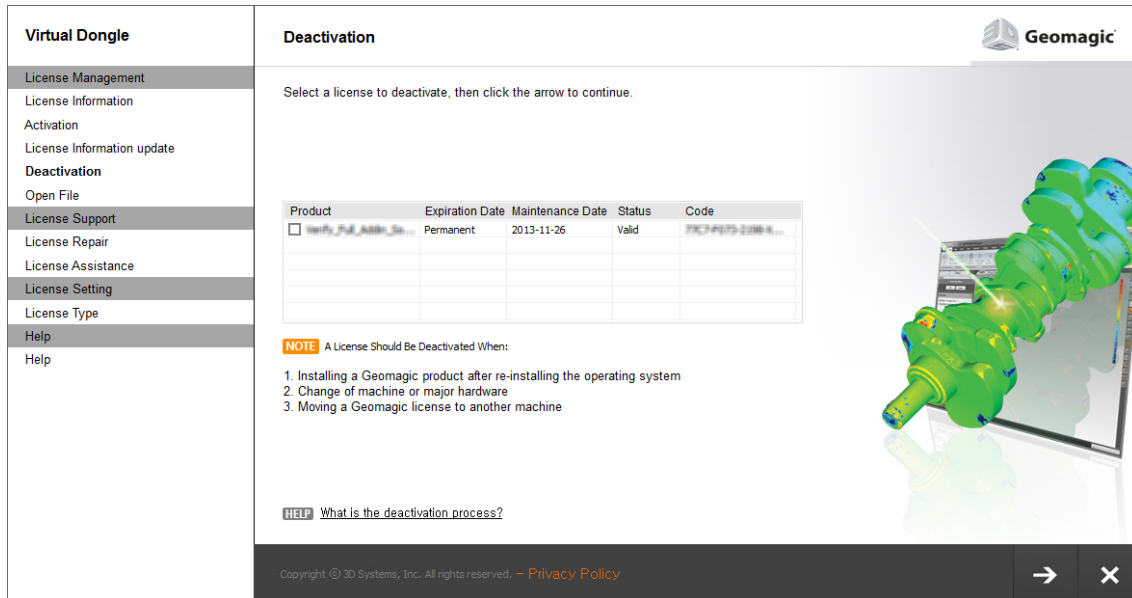
Copyright © 3D Systems, Inc. All rights reserved. [Privacy Policy](#)



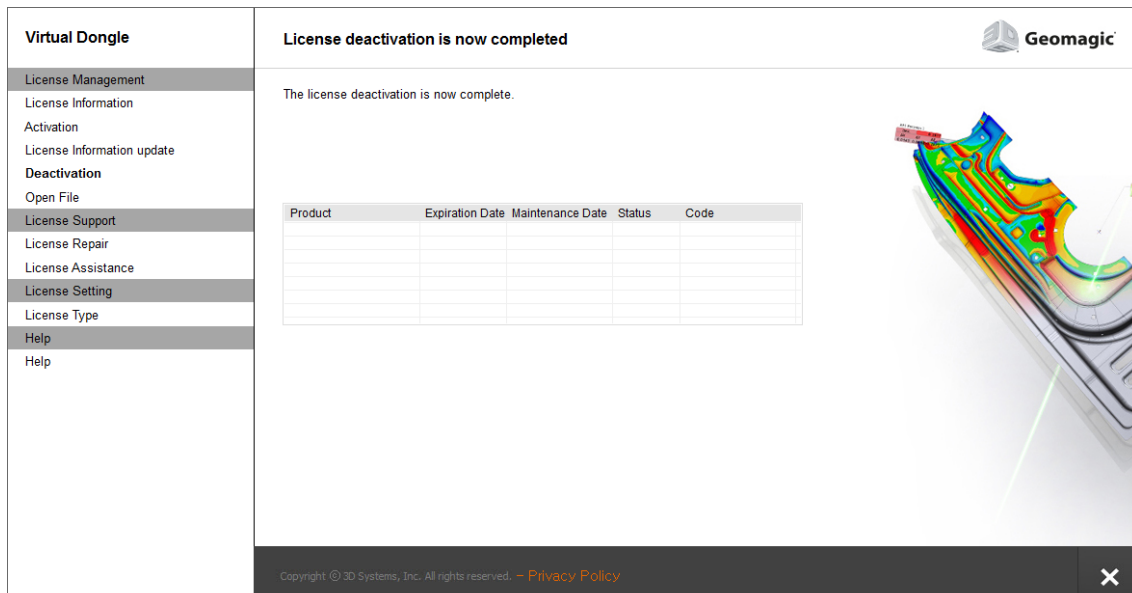
5.2. Product Deactivation

When changing PCs or installing a new OS, existing licenses will need to be deactivated.

1. Go to *Start > All Programs > 3D Systems > Product Name > Geomagic License Utility* and click **Deactivate License** in the menu.
2. Select licenses to deactivate.

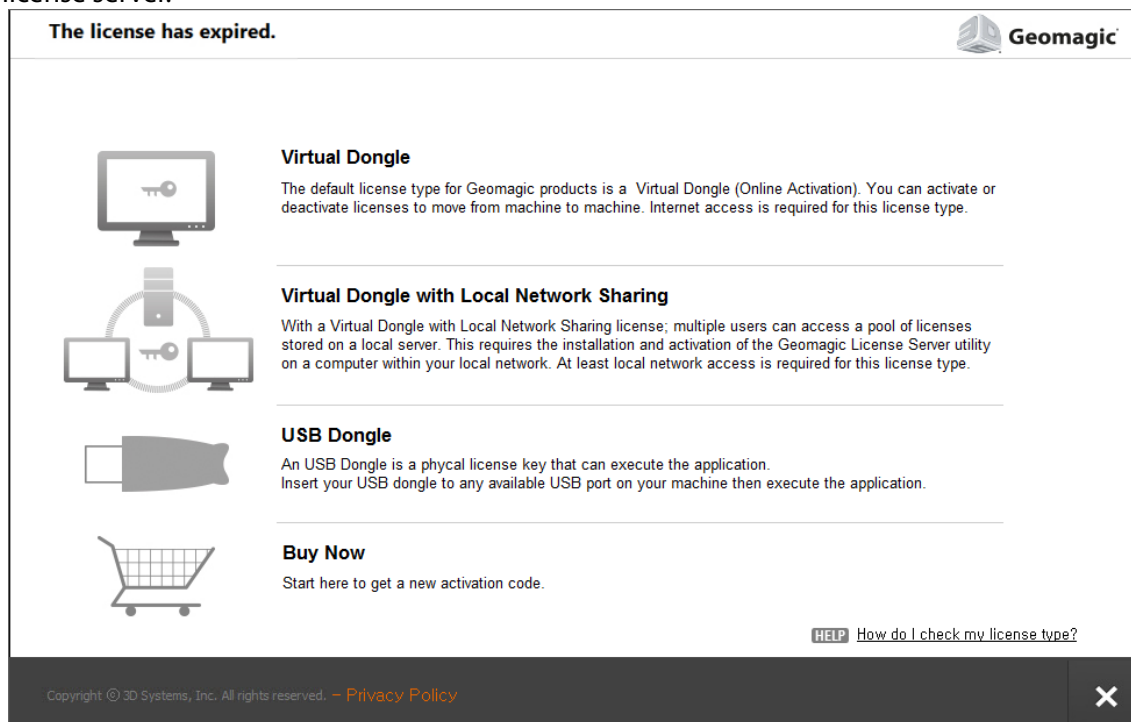


3. Click the **Next** button.
4. The deactivation status will be displayed. Click the **Close** button.



5.3. License Expiration

After a license expires, the application will display options that including obtaining a renewal code, reactivation using a previously obtained renewal code, or switching to a floating license from a license server.



There are three options:

- **Virtual Dongle**

An activation page will be displayed depending on network status.

- **Virtual Dongle with Local Network Sharing**

An activation page will be displayed depending on network status.

- **USB Dongle**

Guides you to use the USB Dongle.

- **Buy Now**

Click the **Buy Now** button to contact the nearest reseller or local office for renewing or purchasing a license.

5.4. Updating a License

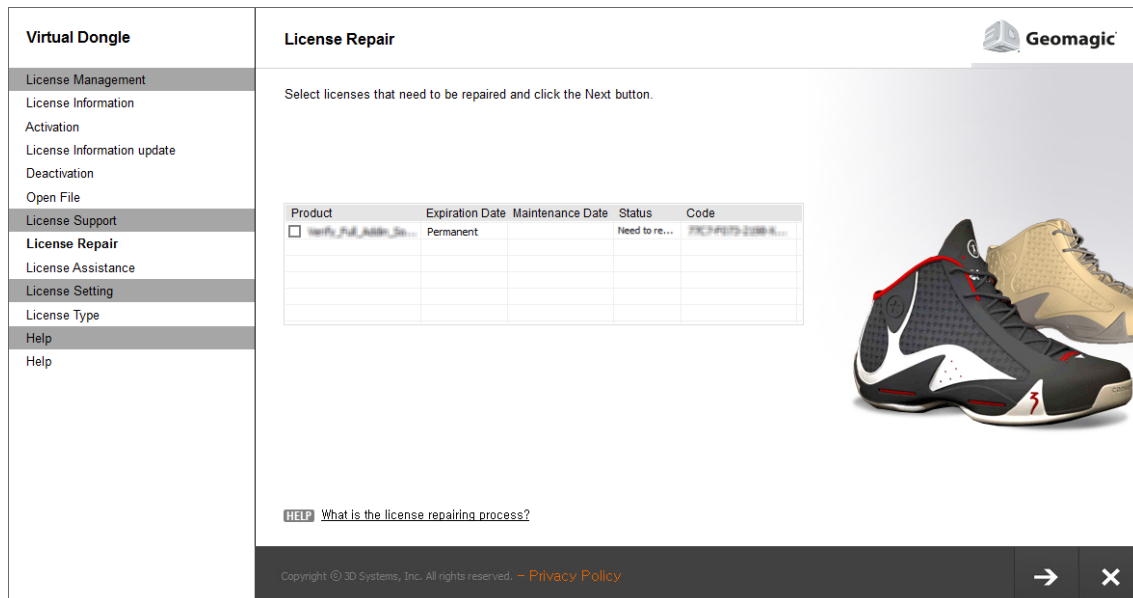
Generally, the license information is automatically updated, However, the license information can be manually updated by pressing the License Information Update button.

Go to *Start > All Programs > 3D Systems > Product Name > Geomagic License Utility* and click the

License Information Update button.


5.5. Repairing a License

1. Go to *Start > All Programs > 3D Systems > Product Name > Geomagic License Utility*.
2. Click the **License Repair** menu.



3. Select licenses to repair.

Product	Expiration Date	Maintenance Date	Status	Code
<input checked="" type="checkbox"/> Verify Full Admin Se...	Permanent		Need to re...	79C7F67D-22B6-4...

4. Click the  (**Next**) button.
5. A dialog window showing the repair status will be displayed.

Virtual Dongle

License Management

License Information

Activation

License Information update

Deactivation

Open File

License Support

License Repair

License Assistance

License Setting

License Type

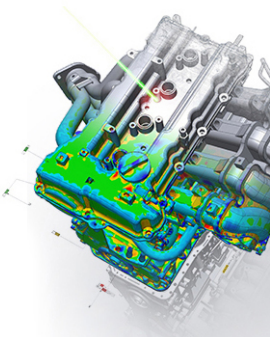
Help

Help

Repair Completed

Repairing the license is complete.
Restart the program to apply the license.

Product	Expiration Date	Maintenance Date	Status	Code



Copyright © 3D Systems, Inc. All rights reserved. [Privacy Policy](#)

←

×

6. Licensing with Virtual Dongle with Local Network Sharing (Floating)

This chapter explains how to do the followings:

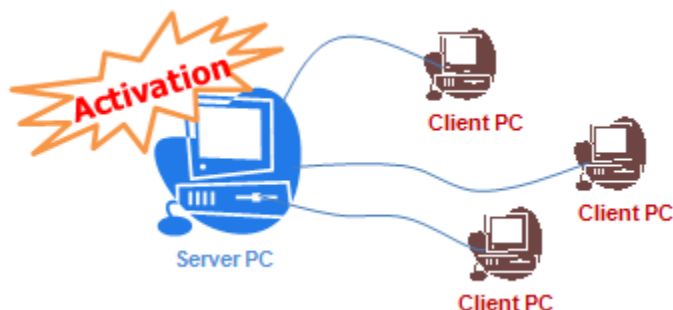
- Activate a Product
- Deactivate a Product
- Renew an Expired License
- Update a License
- Repair a License
- Borrow a License
- Change a Port Number

6.1. Product Activation

When a PC is connected to the internet, all activation codes will be automatically validated.

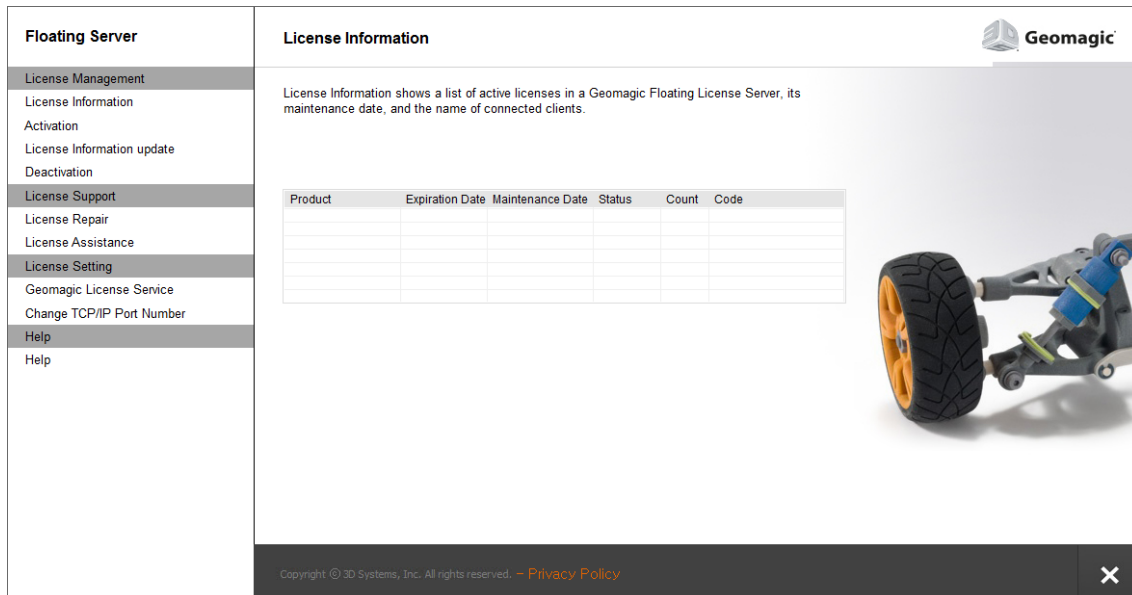
It is necessary to activate a Geomagic License Server PC and allow it to communicate with client PCs. It is used to manage licenses for a server and clients.

6.1.1. Server Activation



Install the **Setup Geomagic License Server Utility.exe** file that is located at: *C:\Program Files\3D Systems\Product Name\License*. A new folder will be created at the following location: *C:\Program Files\3D Systems\Geomagic License Server Utility*.

1. Go to *Start > All Programs > 3D Systems > Geomagic License Server Utility > GeomagicLicenseUtility.exe*.



2. Click the **Activation** menu to activate a code.

3. Enter an activation code and E-mail address.

Enter your Activation Code and registered user email.

Activation Code *

E-mail *

4. Click the  (**Next**) button.

Note:

If you already registered your account, the activation process will be done in this step. If you are a first time user, go to the next step to continue.

5. Fill your information in the fields to create a new user account.

My Information

First Name *

Last Name *


Company *

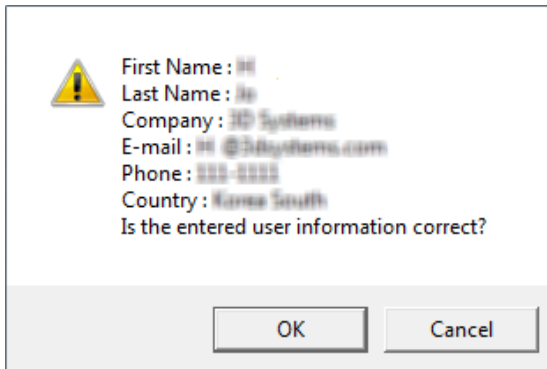
Phone *

Country *

Note:


Items marked by an asterisk (*) are mandatory.

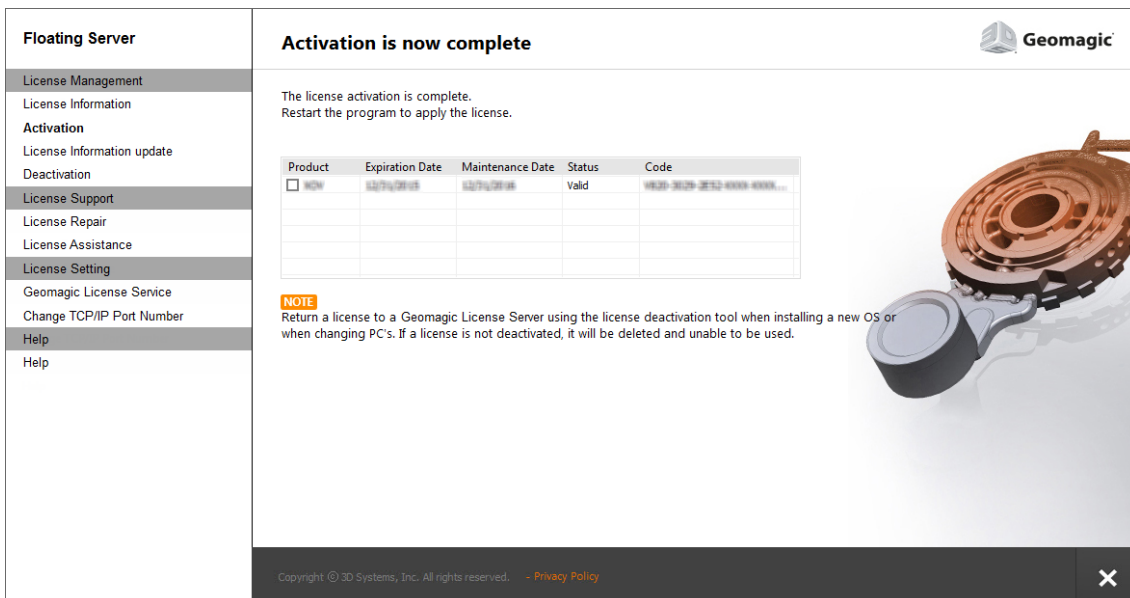
6. Click the  (**Next**) button.
7. Click the **OK** button to confirm user information.



First Name : H
Last Name : Is
Company : 3D Systems
E-mail : H@3dsystems.com
Phone : 555-5555
Country : Korea South
Is the entered user information correct?

OK Cancel

8. When the activation process is completed, a confirmation screen will be displayed. Click the  (**Close**) button.



Floating Server

- License Management
 - License Information
 - Activation**
 - License Information update
 - Deactivation
 - License Support
 - License Repair
 - License Assistance
 - License Setting
 - Geomagic License Service
 - Change TCP/IP Port Number
 - Help
 - Help

Activation is now complete

The license activation is complete.
Restart the program to apply the license.

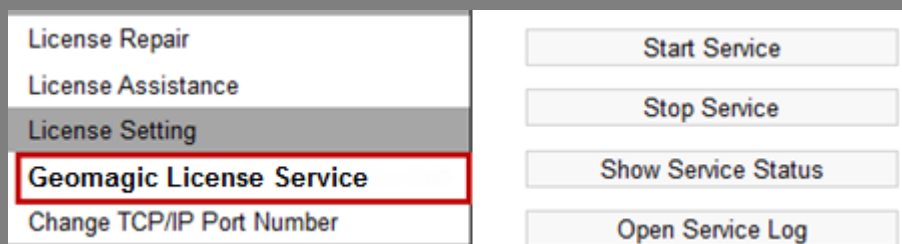
Product	Expiration Date	Maintenance Date	Status	Code
<input type="checkbox"/> NOW	12/7/2015	12/7/2016	Valid	W520-2629-2832-4000-4000...

NOTE
Return a license to a Geomagic License Server using the license deactivation tool when installing a new OS or when changing PC's. If a license is not deactivated, it will be deleted and unable to be used.

Copyright © 3D Systems, Inc. All rights reserved. [Privacy Policy](#)

Note:

You can check the log for the license service running by using the Open Service log menu in the Geomagic License Service. If the service failed to run, click the Stop Service and the Start Service in consecutive order to restart the license service.



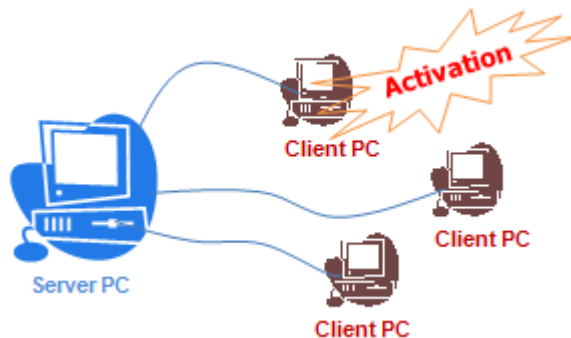
License Repair
License Assistance
License Setting
Geomagic License Service
Change TCP/IP Port Number

Start Service
Stop Service
Show Service Status
Open Service Log

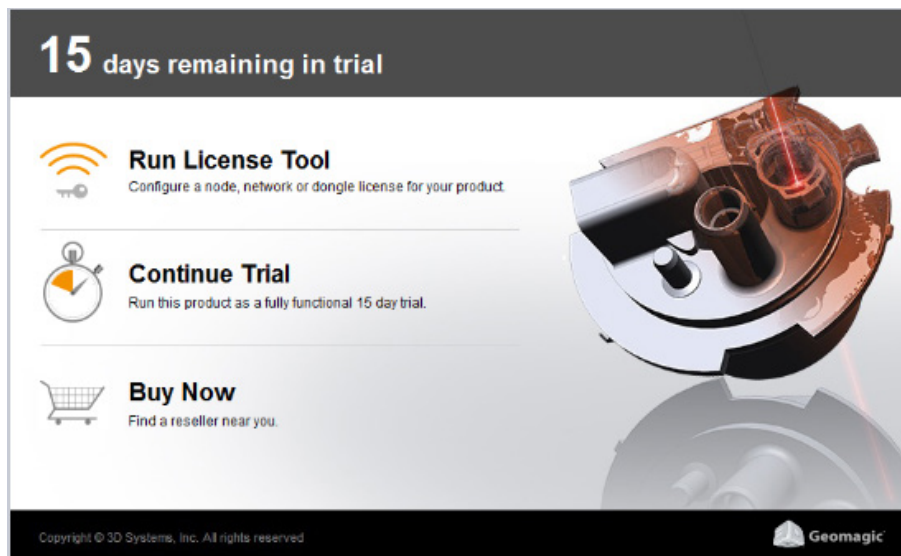
Note:

Maintain online environment. You will not be able to use the application unless the license information is updated for 30 days. Connect your pc to the internet and run the application to update the license information.

6.1.2. Client Activation



1. When the dialog is displayed, click the **Run License Tool** to use Geomagic License Utility.



Note:

There are another ways to use the Geomagic License Utility:

- Go to *Start > All Programs > 3D Systems > Product Name > Geomagic License Utility* and click the **Activation** menu to activate a license.

2. Select **Virtual Dongle with Local Network Sharing**.

License Type

Virtual Dongle

The default license type for Geomagic products is a Virtual Dongle (Online Activation). You can activate or deactivate licenses to move from machine to machine. Internet access is required for this license type.

Virtual Dongle with Local Network Sharing

With a Virtual Dongle with Local Network Sharing license; multiple users can access a pool of licenses stored on a local server. This requires the installation and activation of the Geomagic License Server utility on a computer within your local network. At least local network access is required for this license type.

USB Dongle

An USB Dongle is a physical license key that can execute the application. Insert your USB dongle to any available USB port on your machine then execute the application.

Copyright © 3D Systems, Inc. All rights reserved. [Privacy Policy](#)

✕

3. Enter a Server Name or IP address.

License Server Registration

Enter the Server Name or IP address and the TCP/IP port number. Click the **Register Server** button and restart the program after the server has been registered.

Server Name/IP Address

localhost

TCP/IP Port Number

27006

Register Server

Server Name	TCP/IP Port Number	Connection Status

Remove Server

HELP

[What is a TCP/IP Port Number?](#)
[How do I check my connection status?](#)

Copyright © 3D Systems, Inc. All rights reserved. [Privacy Policy](#)

✕

4. Click the **Register Server** button.

Server Name/IP Address

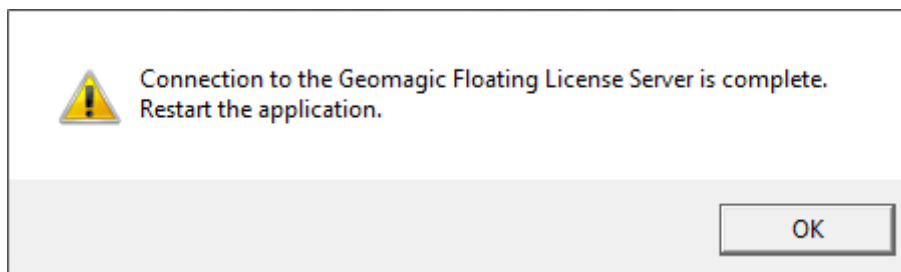
localhost

TCP/IP Port Number

27006

Register Server

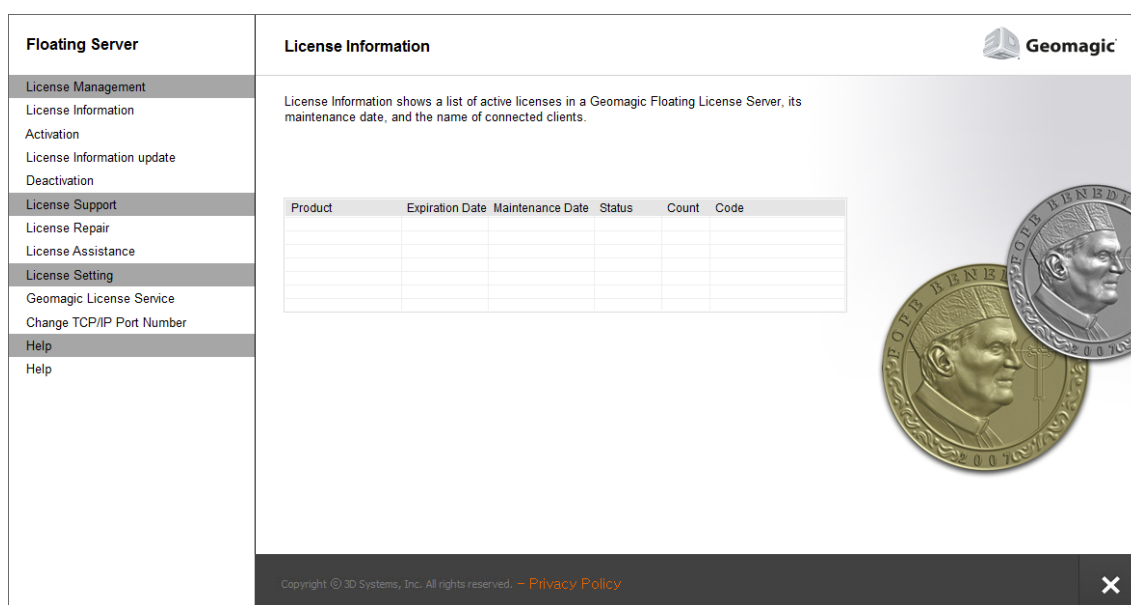
5. Click the **OK** button to connect to the Geomagic License Server.



6. Restart Geomagic products to activate the license.

6.1.3. Checking Server License Information

1. Go to *Start > All Programs > 3D Systems > Geomagic License Server Utility > GeomagicLicenseUtility.exe*.
2. Click **License Information** option in the menu to check license information.
3. A list of all activated licenses will be displayed.

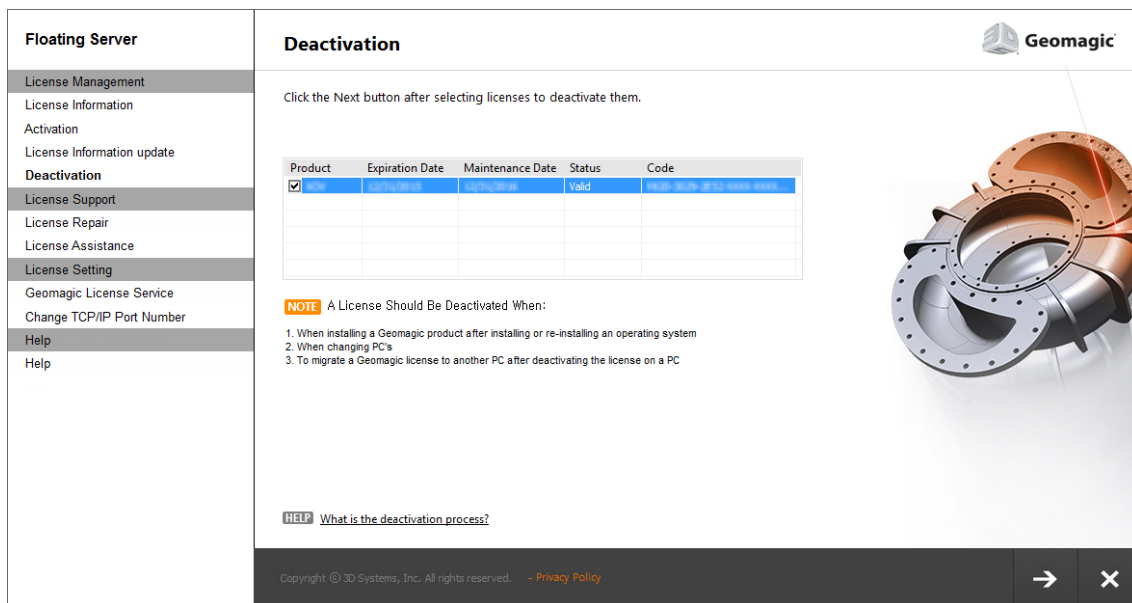



6.2. Product Deactivation

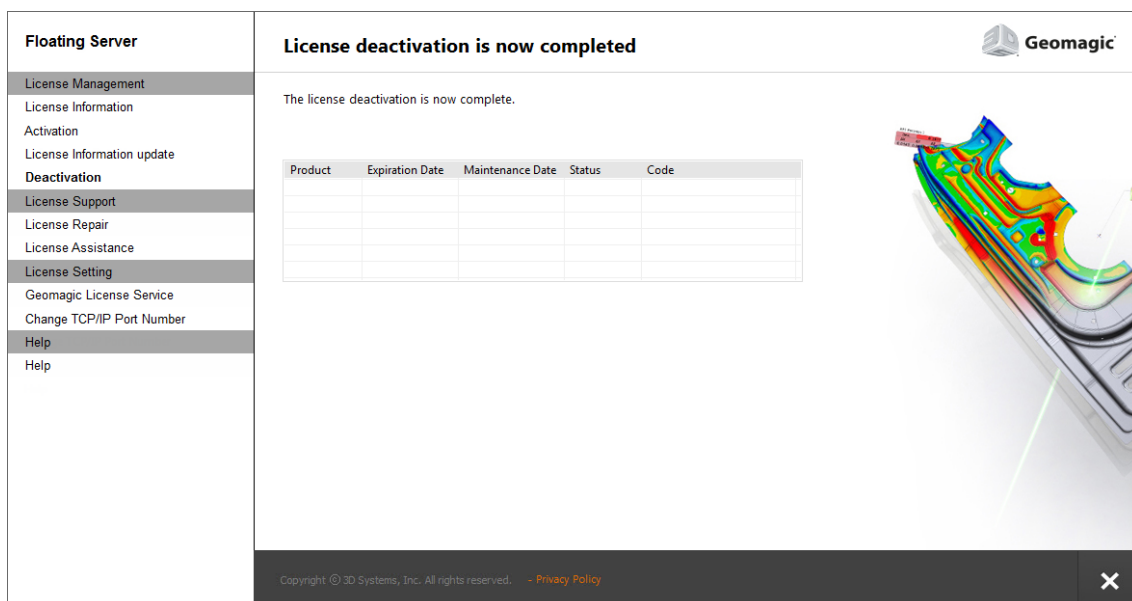
When changing PCs or installing a new OS, existing licenses need to be deactivated.

6.2.1. Server Deactivation

1. Go to *Start > All Programs > 3D Systems > Geomagic License Server Utility > GeomagicLicenseUtility.exe.*
2. Select licenses to deactivate.



3. Click the  (**Next**) button.
4. A dialog window showing the deactivation status will be displayed.

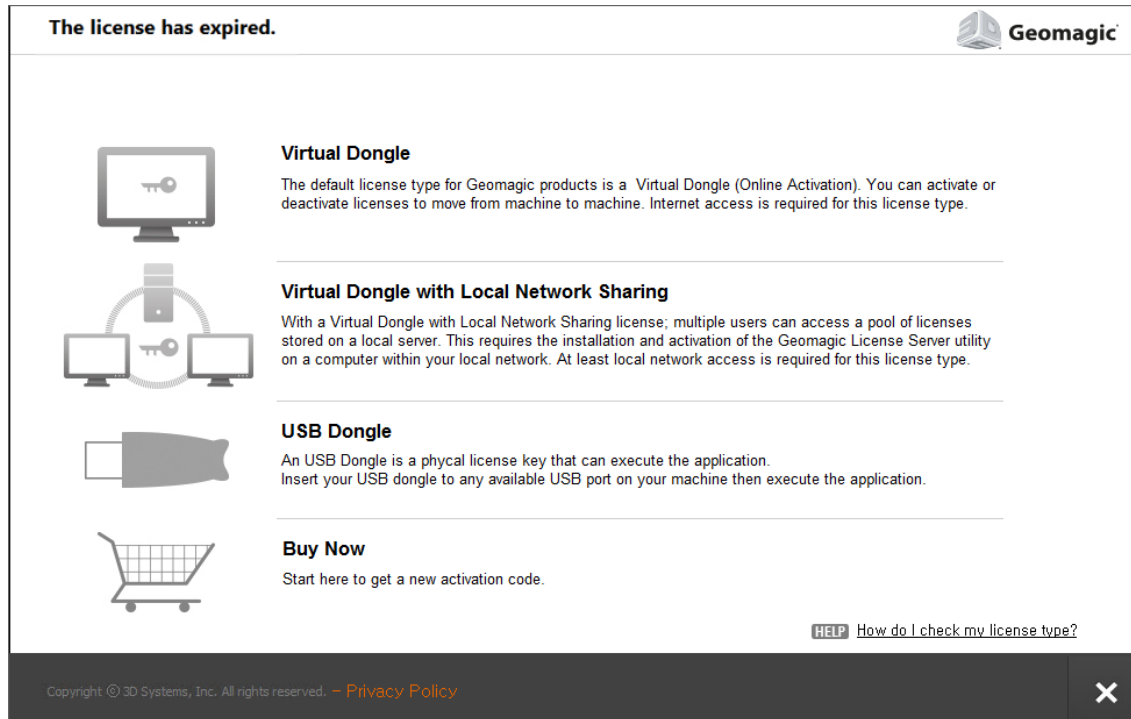


6.2.2. Client Deactivation

Virtual Dongle with Local Network Sharing (Floating) licenses are not saved on a client PC because client PC's gets the licenses from a server PC. Therefore, there is no deactivation involved for a client PC. If the server is changed, clients will need to change the server name to the correct one when they start the application.

6.3. License Expiration

After a license expires, the application will display options that including obtaining a renewal code, reactivation using a previously obtained renewal code, or switching to a floating license from a license server.



There are three options:

- **Virtual Dongle**

An activation page will be displayed depending on network status.

- **Virtual Dongle with Local Network Sharing**

An activation page will be displayed depending on network status.

- **USB Dongle**

Guides you to use the USB Dongle.

- **Buy Now**

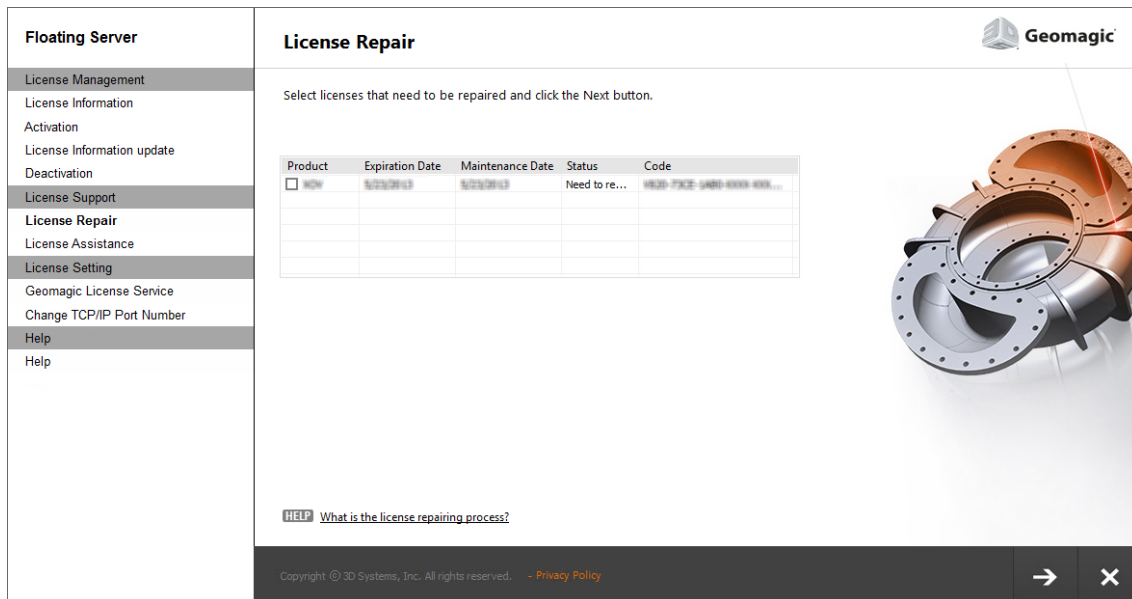
Click the Buy Now button to contact the nearest reseller or local office for renewing or purchasing a license.

6.4. Repairing a License

1. Go to *Start > All Programs > 3D Systems > Geomagic License Server Utility >*

GeomagicLicenseUtility.exe.

2. Click the **License Repair** menu.

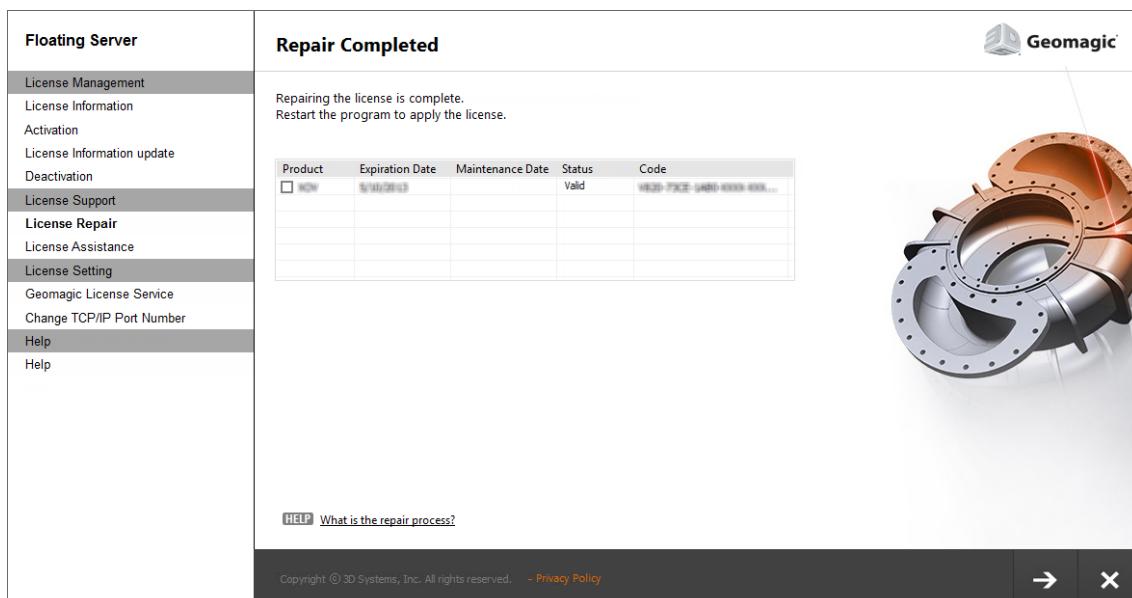


3. Select licenses to repair.

Product	Expiration Date	Maintenance Date	Status	Code
<input checked="" type="checkbox"/> HW	5/24/2013	5/24/2013	Need to re...	HW20-77CE-0480-4000-4000...

4. Click the (**Next**) button.

5. A dialog window showing the repair statuses will be displayed.



6.5. Borrowing a License

When a license type is a virtual dongle with local network sharing (floating) and a user would like to temporarily use Geomagic software on a client PC without accessing the license server system, a license can be borrowed for an assigned period.

6.5.1. Borrowing of a License

1. Go to *Start > All Programs > 3D Systems > Product Name > Geomagic License Utility*.

Virtual Dongle with Local Network Sharing

- License Management
- License Server Registration**
- Borrowing License
- License Support
- License Repair
- License Assistance
- License Setting
- License Type
- Help
- Help

License Server Registration

Enter the Server Name or IP address and the TCP/IP port number. Click the **Register Server** button and restart the program after the Rapidform Floating License Server has been registered.

Server Name/IP Address: localhost TCP/IP Port Number: 27006 Register Server

Server Name	TCP/IP Port Number	Connection Status
<input type="checkbox"/> server	27006	OK

Remove Server

HELP What is a TCP/IP Port Number?
How do I check my connection status?

Copyright © 3D Systems, Inc. All rights reserved. Privacy Policy

2. Click the **Borrowing License** option.

3. Select a product to borrow a license for and click the drop-down arrow next to the **Borrow** button.

Server Name/IP Address: localhost TCP/IP Port Number: 27006 Borrow Return

Server Name	Product	Expiration Date
<input checked="" type="checkbox"/> 27006@server...	NOR	
<input checked="" type="checkbox"/> 27006@server...	NON-PLU	
<input checked="" type="checkbox"/> 27006@server...	NOR	
<input checked="" type="checkbox"/> 27006@server...	NOR	

4. Set an ending date.



5. Click the **Borrow** button.
6. The **Expiration Date** will show the final date of the borrowing period.

5/8/2013

Server Name	Product	Expiration Date
<input type="checkbox"/> 2-7000-00000...	NCR	
<input type="checkbox"/> 2-7000-00000...	NCR-FULL	08-May-2013
<input type="checkbox"/> 2-7000-00000...	NCR	
<input type="checkbox"/> 2-7000-00000...	NCR	

6.5.2. Returning a Borrowed License

To return a borrowed license, connect to the license server system before the borrowed time period expires and follow the process below:

1. Go to *Start > All Programs > 3D Systems > Product Name > Geomagic License Utility*.

Virtual Dongle with Local Network Sharing

- License Management
- License Server Registration**
- Borrowing License
- License Support
- License Repair
- License Assistance
- License Setting
- License Type
- Help
- Help

License Server Registration

Enter the Server Name or IP address and the TCP/IP port number. Click the **Register Server** button and restart the program after the Rapidform Floating License Server has been registered.

Server Name/IP Address: localhost TCP/IP Port Number: 27006

Server Name	TCP/IP Port Number	Connection Status
<input type="checkbox"/> server	27006	OK

[HELP What is a TCP/IP Port Number?](#)
[How do I check my connection status?](#)

Copyright © 3D Systems, Inc. All rights reserved. [Privacy Policy](#)

2. Click the **Borrowing License** option.
3. Select a product license to return.
4. Click the **Return** button.
5. The **Expiration Date** will be blank after the license has successfully been returned.

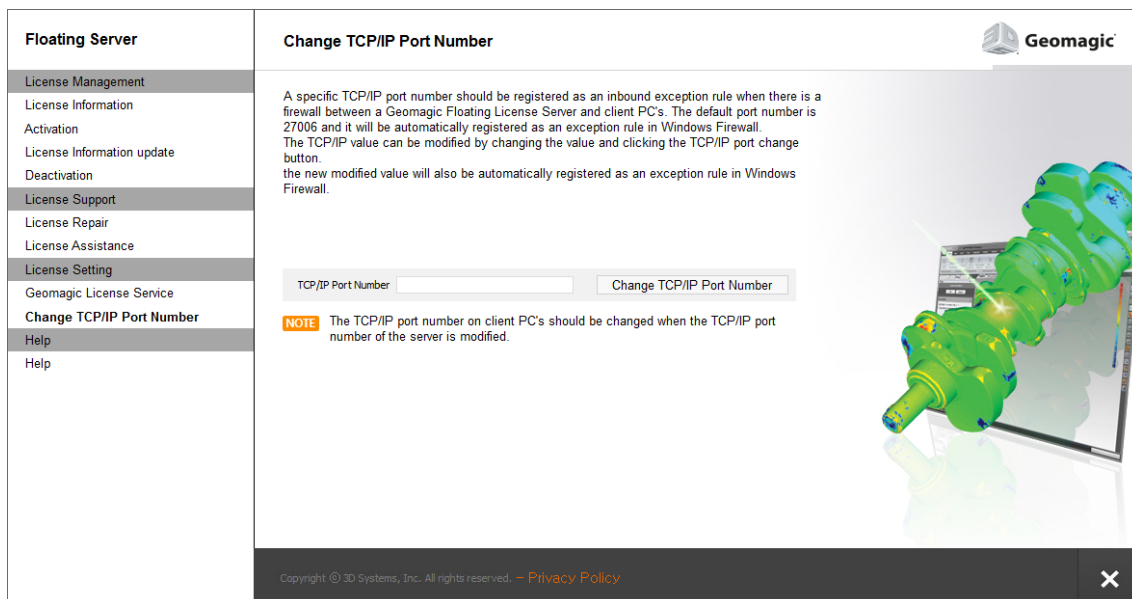
5/ 8/2013		Borrow	Return
Server Name	Product	Expiration Date	
<input type="checkbox"/> 27000@geopm...	NCE		
<input type="checkbox"/> 27000@geopm...	NCE FULL		
<input type="checkbox"/> 27000@geopm...	NCE		
<input type="checkbox"/> 27000@geopm...	NCE		

6.6. Changing Port Number

If a license conflicts with the port of another application and the license type is a virtual dongle with local network sharing (floating), the TCP/IP port number can be changed. The application uses port 27006 by default.

6.6.1. Changing Port Number on Server

1. Go to *Start > All Programs > 3D Systems > Geomagic license Server Utility > GeomagicLicenseUtility.exe*.
2. Click the **Change TCP/IP Port Number** option.



3. Enter a **TCP/IP Port Number**. A number from 1024 to 64000 except for reserved numbers such as 48009 is available but a number between 27000 and 27009 is recommended.
4. Click the **Change TCP/IP Port Number** button.
5. The TCP/IP port number will be changed.

6.6.2. Changing a Port Number on a Client

1. Go to *Start > All Programs > 3D Systems > Product Name > Geomagic License Utility*.
2. Click the **License Server Registration** option.

The screenshot shows the 'License Server Registration' window of the Geomagic License Utility. On the left is a sidebar menu with options: Virtual Dongle with Local Network Sharing, License Management, License Server Registration (selected), Borrowing License, License Support, License Repair, License Assistance, License Setting, License Type, Help, and Help. The main area has a title bar with the Geomagic logo. Below the title bar, instructions state: 'Enter the Server Name or IP address and the TCP/IP port number. Click the **Register Server** button and restart the program after the Rapidform Floating License Server has been registered.' There are input fields for 'Server Name/IP Address' (containing 'localhost') and 'TCP/IP Port Number' (containing '27006'), followed by a 'Register Server' button. Below this is a table with columns 'Server Name', 'TCP/IP Port Number', and 'Connection Status'. The first row shows a server with status 'OK'. A 'Remove Server' button is at the bottom right of the table. At the bottom left, there are links: 'HELP What is a TCP/IP Port Number?' and 'How do I check my connection status?'. The footer contains 'Copyright © 3D Systems, Inc. All rights reserved.' and a 'Privacy Policy' link. A close button (X) is in the bottom right corner.

Server Name	TCP/IP Port Number	Connection Status
<input type="checkbox"/> localhost	27006	OK

3. Select a **Server Name** to change the port number.
4. Click the **Remove Server** button.
5. Enter a Server Name/IP Address and a new TCP/IP Port Number.
6. Click the **Register Server** button.
7. The server with the new TCP/IP port number will be registered.

Note:

The TCP/IP port number between a server and a client must be the same to enable communication.

7. Licensing with USB Dongle

Geomagic products support two different types of USB dongle license types:

- **USB Dongle** - Is a physical USB key that includes license information to be able to use the application on a PC.



- **USB Floating Dongle** – Is a physical USB key that includes license information to be able to use the application on multiple client PC.



This chapter explains how to do the followings:

- Use USB Dongle
- Use USB Floating Dongle

7.1. Using USB Dongle

This chapter explains how to do the followings with USB dongle:

- Activate and Deactivate Product
- Maintenance Date Expires
- Maintenance Date Update

7.1.1. Activation and Deactivation Product

You can easily activate and deactivate the license for your products by inserting the USB dongle into the USB port on your PC.

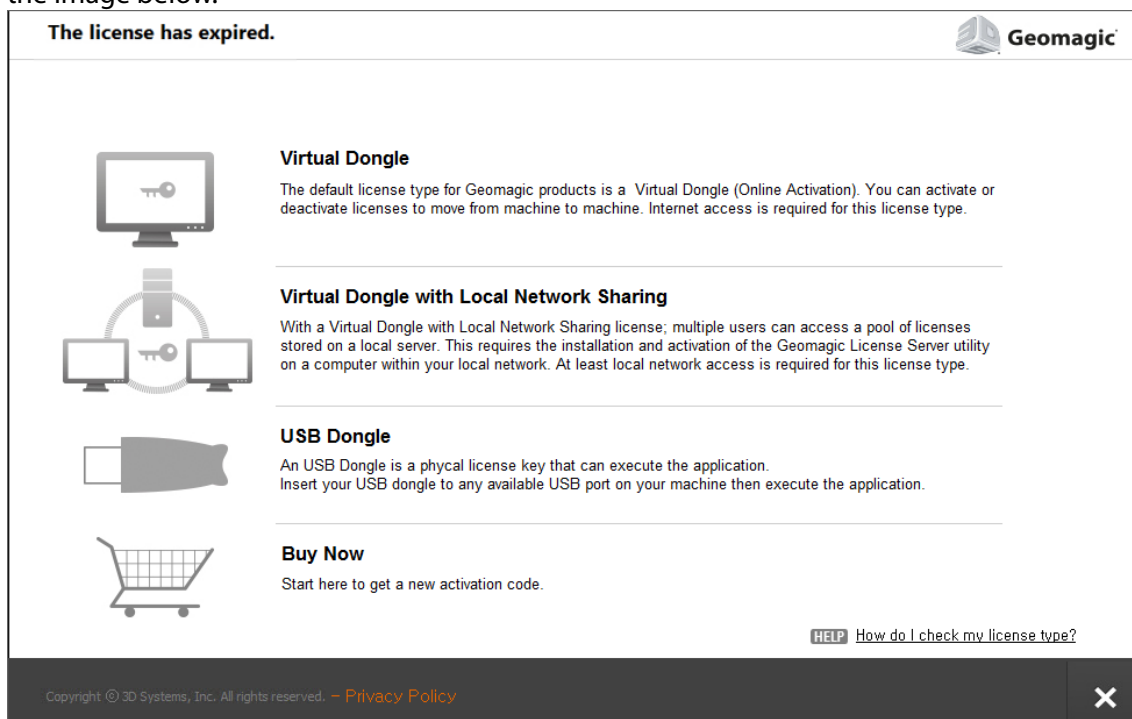
1. Insert the USB dongle into the USB port on your PC.



2. Check if the red light is turned on and your products run with the USB dongle.

7.1.2. Maintanecce Date Expires

The USB dongle's maintenance date is depending on your license contract with 3D Systems, Inc. Once the maintenance date expired, you will see the popup message on your screen as shown in the image below.



If you meet the screen, you need to update the maintenance date of your USB dongle.

7.1.3. Maintenance Date Update

To update the maintenance date of your USB dongle, contact Geomagic Solutions reseller or regional sales manager.

1. Contact Geomagic Solutions regional sales manager or reseller and request them Update Maintenance file.
2. After getting the **Update Maintenance** file, Insert the USB dongle into the USB port on your working PC



3. Install the **Update Maintenance** file on the PC
4. Check if the red light is turned on and the application run with the USB dongle.

7.2. Using USB Floating Dongle

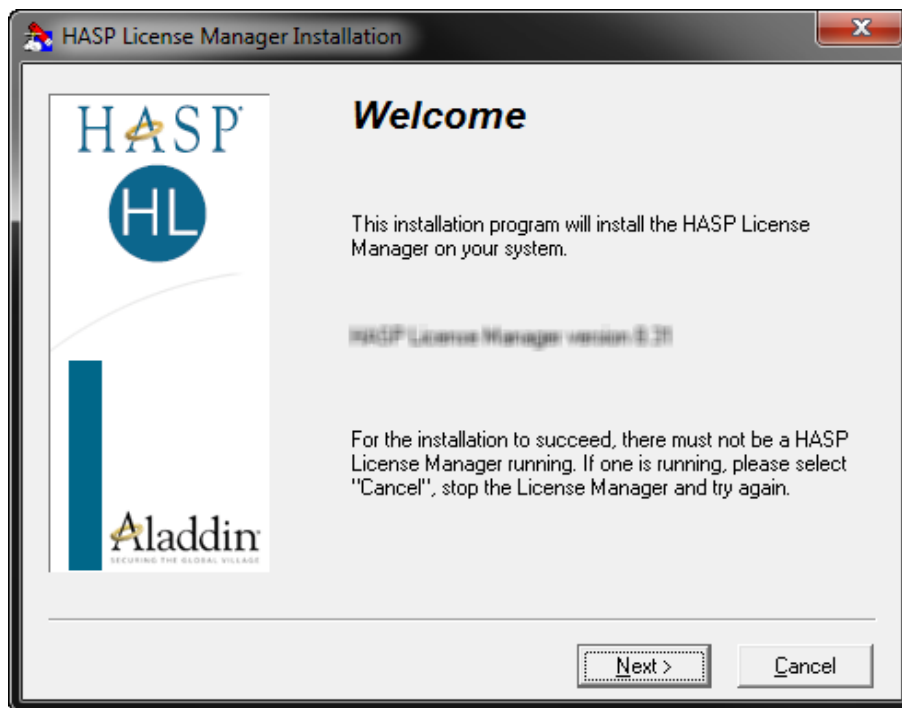
This chapter explains how to do the followings:

- Install Dongle Driver
- Check Floating Server Working

7.2.1. Install Dongle Driver

To start the floating license service on your server PC using the USB Floating Dongle, you need to first install the dongle driver for the USB Floating Dongle.

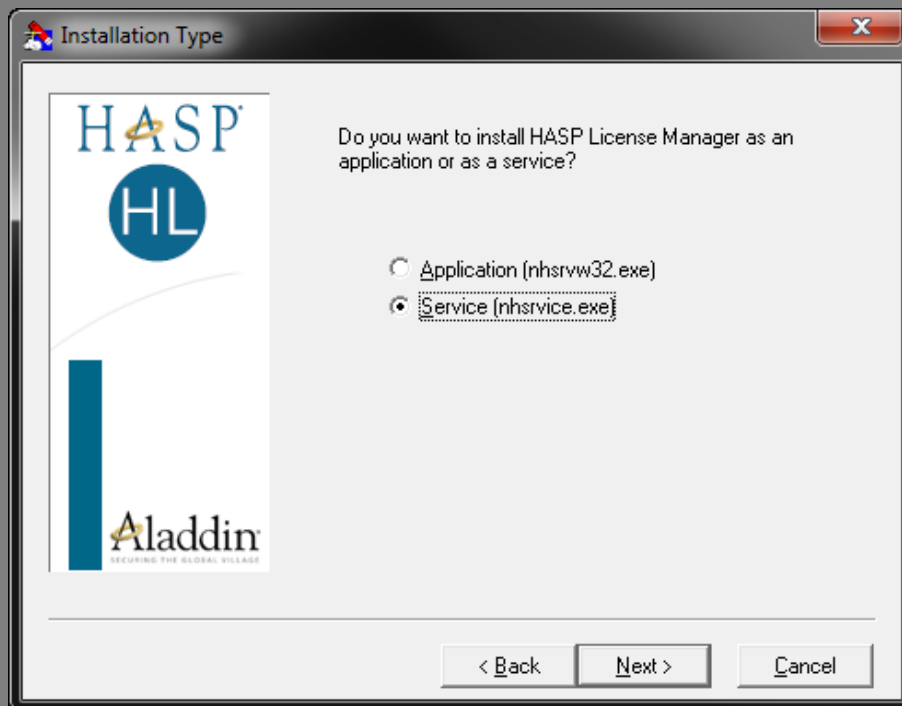
1. Find **lmsetup.exe** and **aksmon32_setup.exe** by going to License folder following the product installation path.
2. Double click the **lmsetup.exe** to install the HASP License Manager and USB dongle driver.



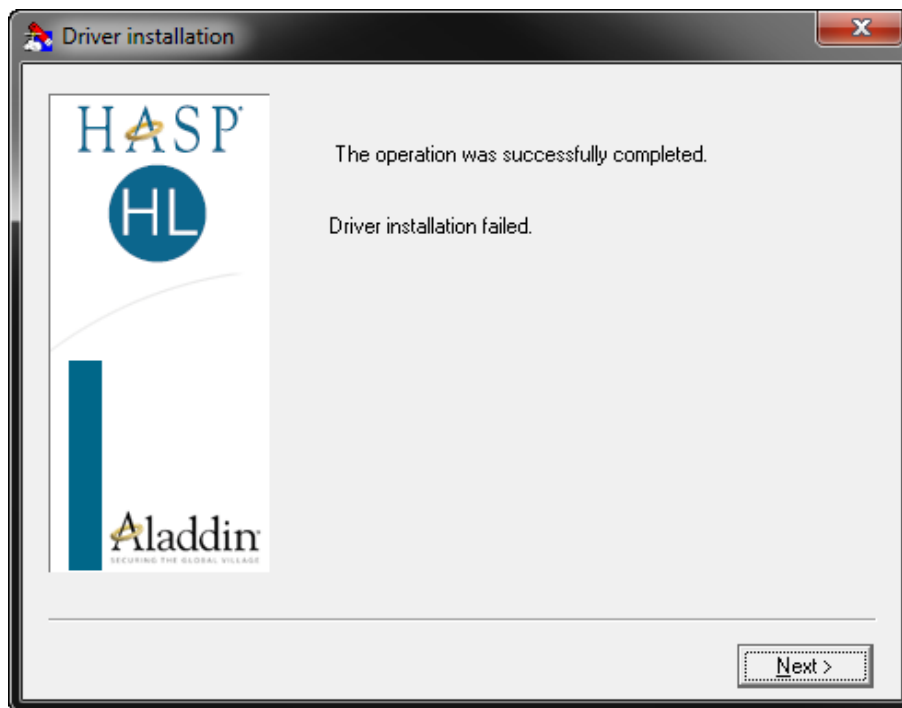
3. Click the **Next** button to continue the installation.

Note:

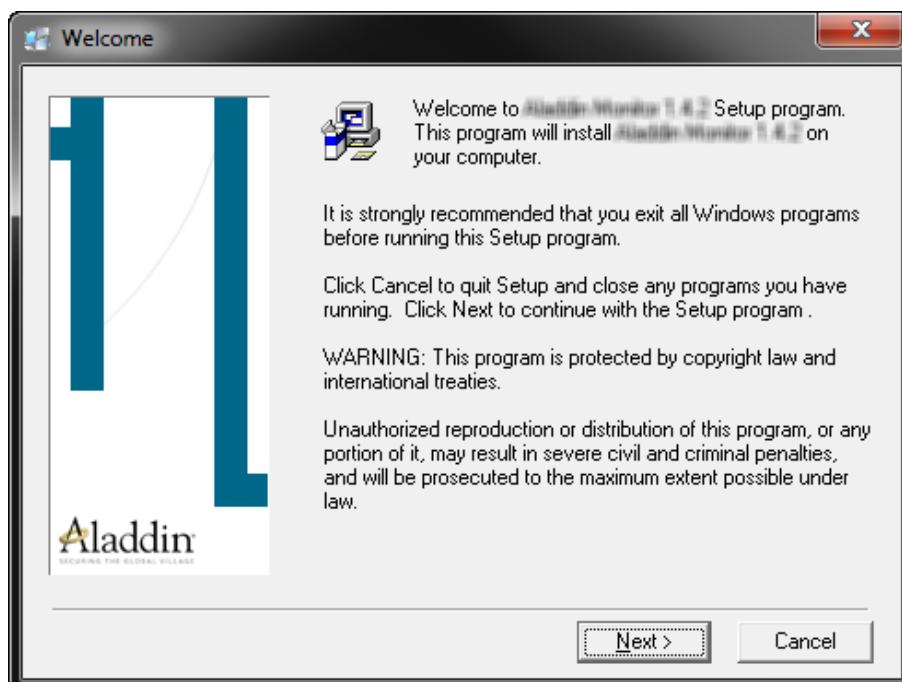
When you meet the installation Type stage as shown in the image below, select the Service option and click the **Next** button to continue.



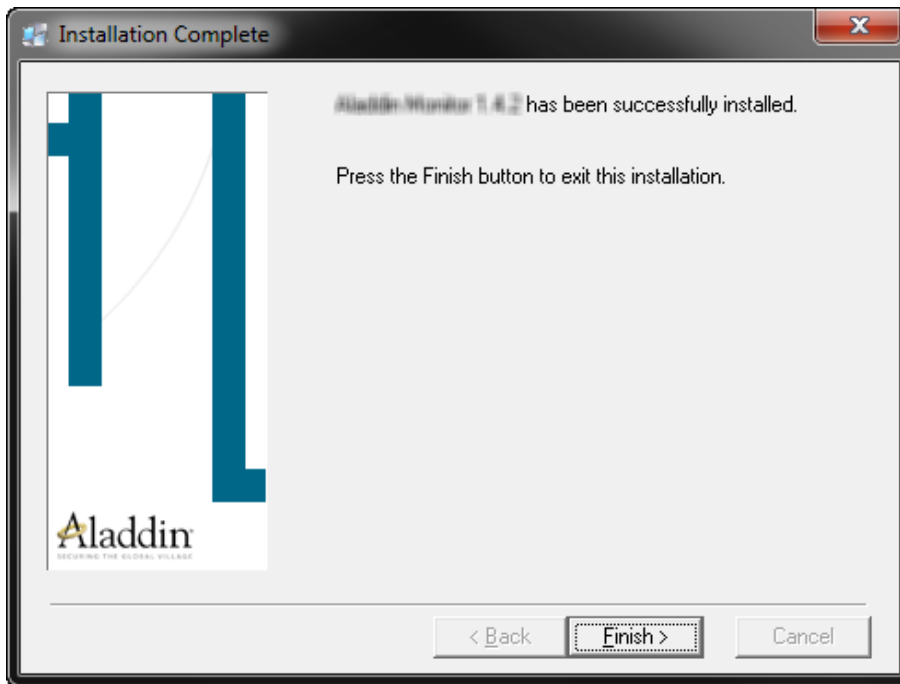
4. The installation of **lmsetup.exe** file is completed.



5. Double click the **aksmon32_setup.exe** file to install the monitoring tool on the server PC for USB Floating Dongle.



6. Click the **Next** button to continue the installation.
7. The installation of **aksmon32_setup.exe** file is completed



8. Insert the USB Floating Dongle into the USB port on the server PC.

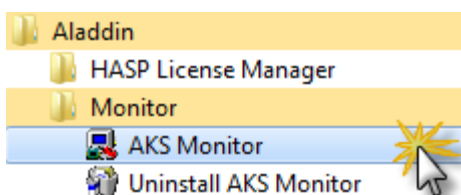


9. Check if the red light on the USB Floating Dongle is turned on and the products run on the Client PC.

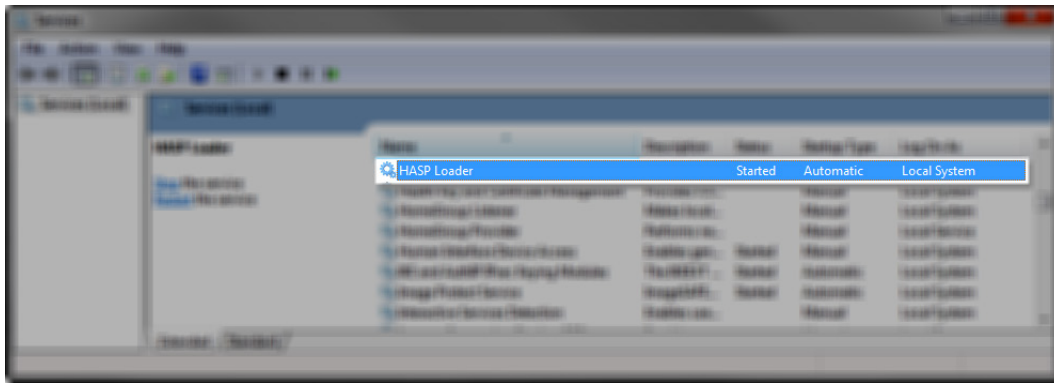
7.2.2. Check Floating Server Working

By using the USB Floating Dongle monitoring tool, you can monitor which clients are currently connected to the server PC and using the products.

1. Go to *All Programs > Aladdin > Monitor > AKS Monitor* and click the **AKS Monitor** application.



2. Go to *Control Panel > Administrative Tools > Services* and check if the **HASP Loader** is started.



3. Check which clients are currently connected to the server PC and using the products.

