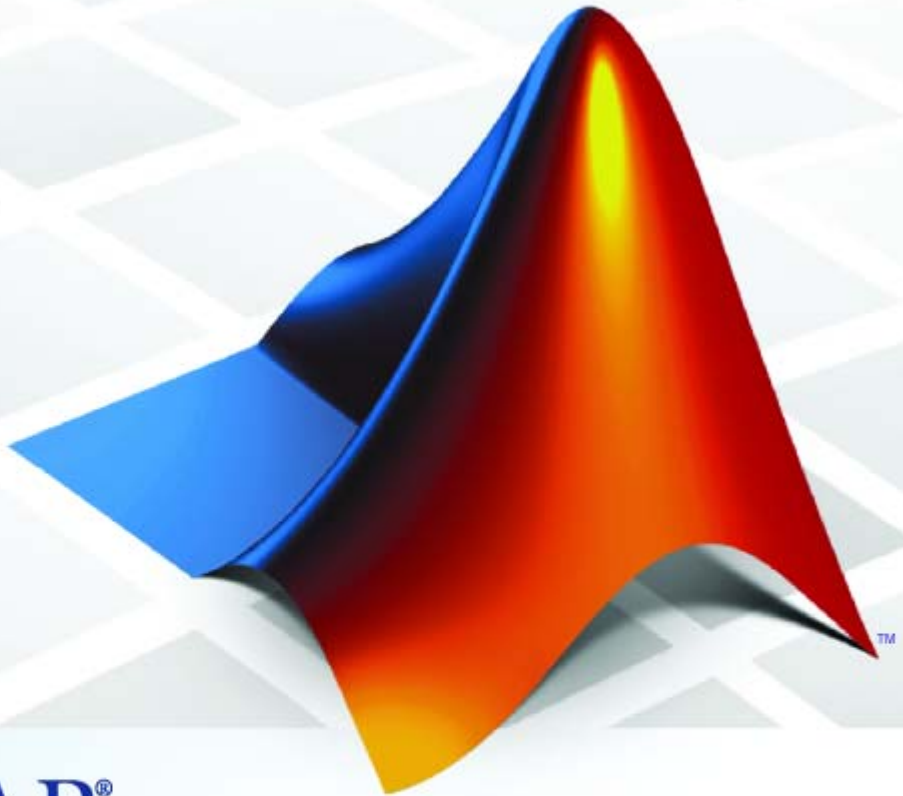


MATLAB® & Simulink® Release 2008a Installation Guide for Windows®



MATLAB®

How to Contact The MathWorks



www.mathworks.com
comp.soft-sys.matlab
www.mathworks.com/contact_TS.html

Web
Newsgroup
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suggest@mathworks.com
bugs@mathworks.com
doc@mathworks.com
service@mathworks.com
info@mathworks.com

Product enhancement suggestions
Bug reports
Documentation error reports
Order status, license renewals, passcodes
Sales, pricing, and general information



508-647-7000 (Phone)



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Installation Guide for Windows®

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Standard Installation and Activation Procedures

This topic describes how to install and activate the MathWorks™ Release 2008a (R2008a) family of products on a computer running the Microsoft® Windows® operating system (32-bit or 64-bit). Use this procedure if you have an Individual license or Group license. For information about setting up the network license options, see Chapter 2, “Network Installation Procedure”.

Installing MathWorks™ Software in a Standalone Environment (p. 1-2)	Detailed, step-by-step installation instructions
Activating an Installation (p. 1-18)	Describes how to activate an installation using the MathWorks activation application
Installing and Activating Without an Internet Connection (p. 1-29)	Describes how to perform off-network installation and activation
After You Install (p. 1-44)	Describes tasks you might want to perform after a successful installation.
Uninstalling and Deactivating a MATLAB Installation (p. 1-47)	Describes how to remove (uninstall) and deactivate a MATLAB installation
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Installing MathWorks™ Software in a Standalone Environment

In this section...

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Step 1: Before You Install

Before you run the installer:

- Make sure you have your e-mail address and your MathWorks™ Account password handy. You will need them to log in to your account during installation. If you have multiple licenses associated with your account, know the number of the license you want to install.

If you don't have a MathWorks Account, you can create one during installation. However, you must have an *Activation Key*. An Activation Key is the unique code that identifies a license. It is used to activate the license. The Activation Key also allows licensed end users to associate their MathWorks Account with a license. Ask the administrator of the license for the Activation Key.

- Exit any existing copies of MATLAB® software you have running.
- Log in to an account with administrator privileges.

- Consider disabling virus-checking software and internet security applications on your system for the duration of the installation process. These applications can slow down the installation process or cause it to appear unresponsive (or to hang).
- If you do not have an Internet connection during installation, see “Installing and Activating Without an Internet Connection” on page 1-29.
- If you need to perform a network server or client installation, see Chapter 2, “Network Installation Procedure”.

Upgrade Installations

If you are upgrading your MATLAB installation to the latest release, The MathWorks recommends that you install the new version in a new installation folder. You do not need to delete an existing MATLAB installation before installing this release. Each release is independent of previous releases and you can run multiple releases on the same system.

Note If you choose to overwrite an existing installation from a prior release, the installer deletes all the products in your installation folder and installs only those products included in your current license. This avoids potential product incompatibilities. For example, if your existing installation includes 10 products, but your current license only includes 9 of those products, your MATLAB installation only includes the 9 products in your current license.

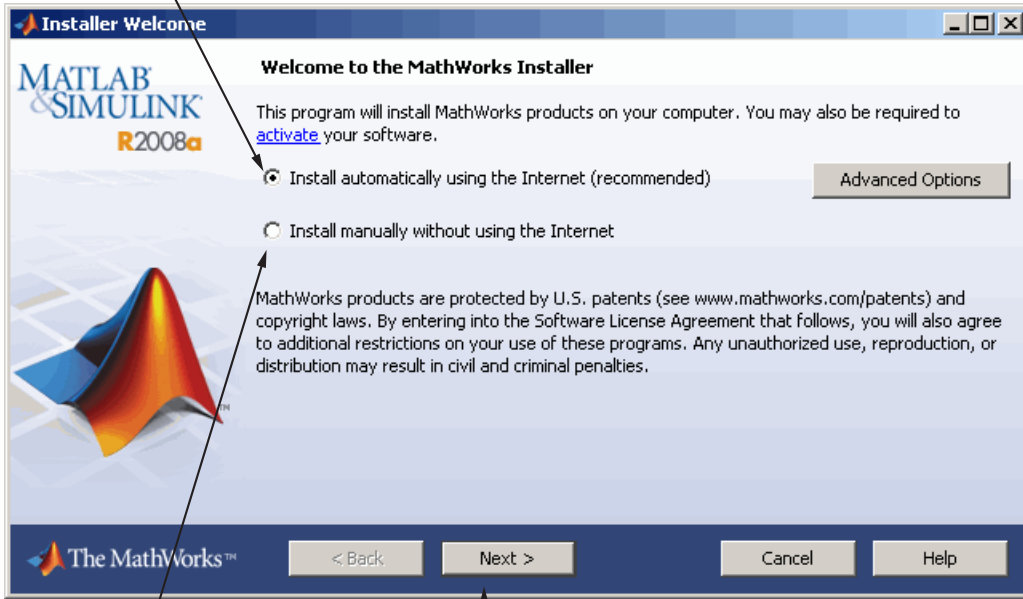
Step 2: Choose Whether to Install Automatically or Manually

Insert the DVD into the DVD drive connected to your system or double-click the installer file you downloaded from the MathWorks Web site. The installer starts, displaying the welcome dialog box.

If you are connected to the Internet, the easiest way to install is by selecting the **Install automatically using the Internet** option. During installation, you log in to your MathWorks account, select the license you want to install, and follow the prompts on the other installer dialog boxes. Choose to install manually if you do not have an Internet connection.

Click **Next** to proceed with installation.

Select this option to install products (recommended).



Select this option if you do not have an Internet connection.

Click Next.

If your Internet connection requires a proxy server, click the **Advanced Options** button. You can enter the server name and port information in the Proxy Settings dialog box.

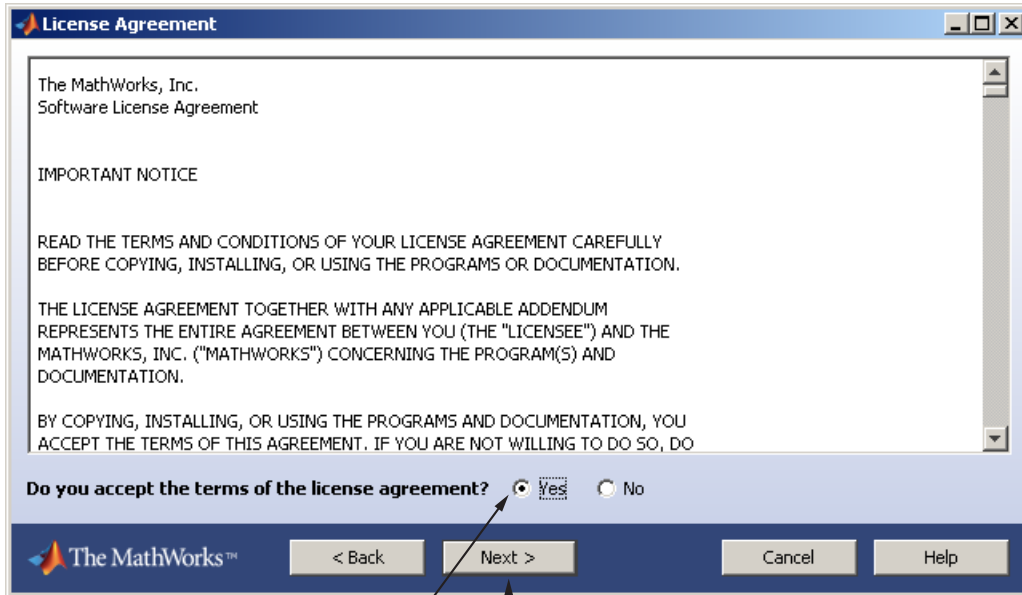
Related Topics

If you are not connected to the Internet during installation, see “Installing and Activating Without an Internet Connection” on page 1-29.

Step 3: Review the Software Licensing Agreement

Review the software licensing agreement and, if you agree with the terms, select **Yes** and click **Next**.

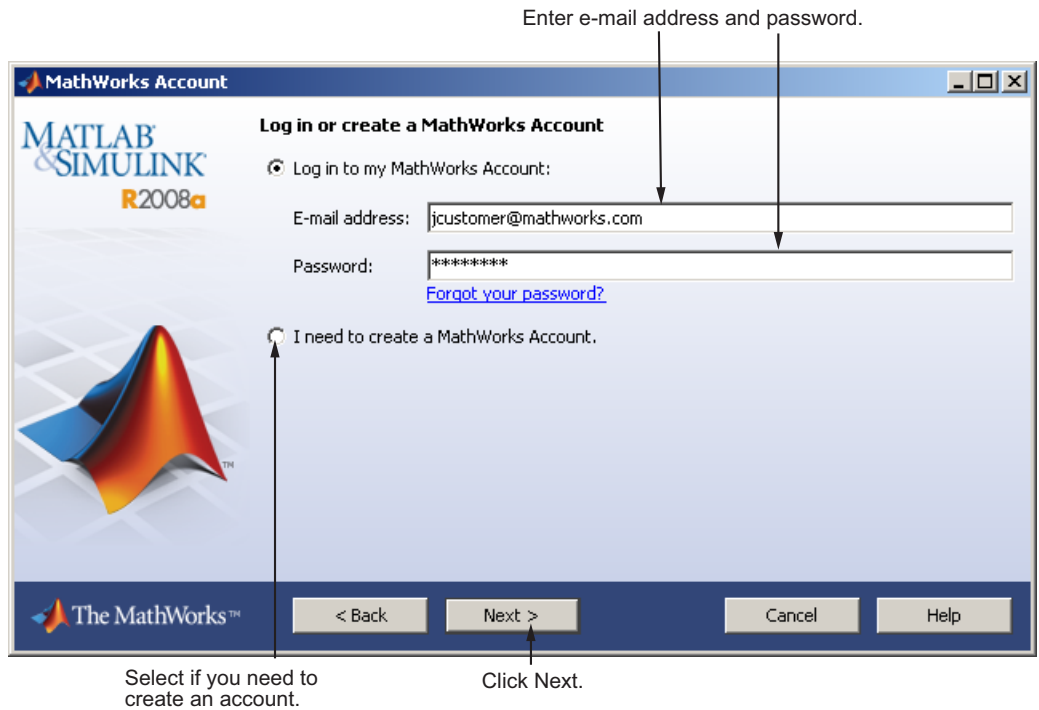
After the installation is complete, you can view or print the license agreement using the file `license.txt` located in the top-level installation folder.



Select Yes. Click Next.

Step 4: Log In to Your MathWorks Account

Enter the e-mail address and password of your MathWorks Account and click **Next**. If you do not have a MathWorks Account, select the **I need to create a MathWorks Account** option and click **Next**.



Creating a MathWorks Account

Enter your e-mail address, first name, last name, and Activation Key. To create an account, you must provide an Activation Key. A newly created account will not have any licenses associated with it. The Activation Key identifies the license you want to install. The administrator contact on the license can retrieve the key by visiting the License Center at the MathWorks Web site. Click **Next** to create your account.

Enter e-mail address, first name, and last name.

Account Creation

CREATE A MATHWORKS ACCOUNT

Provide the following information to create your MathWorks Account. A temporary password will be emailed to you. You can change this password and update other account details on the MathWorks Web site.

E-mail address:

First name:

Last name:

Activation Key:

The Activation Key is used to look up your license. You may have received the Activation Key from the Administrator of the license.

[Privacy Policy](#)

The MathWorks™

< Back Next > Cancel Help

Click Next. Enter Activation Key.

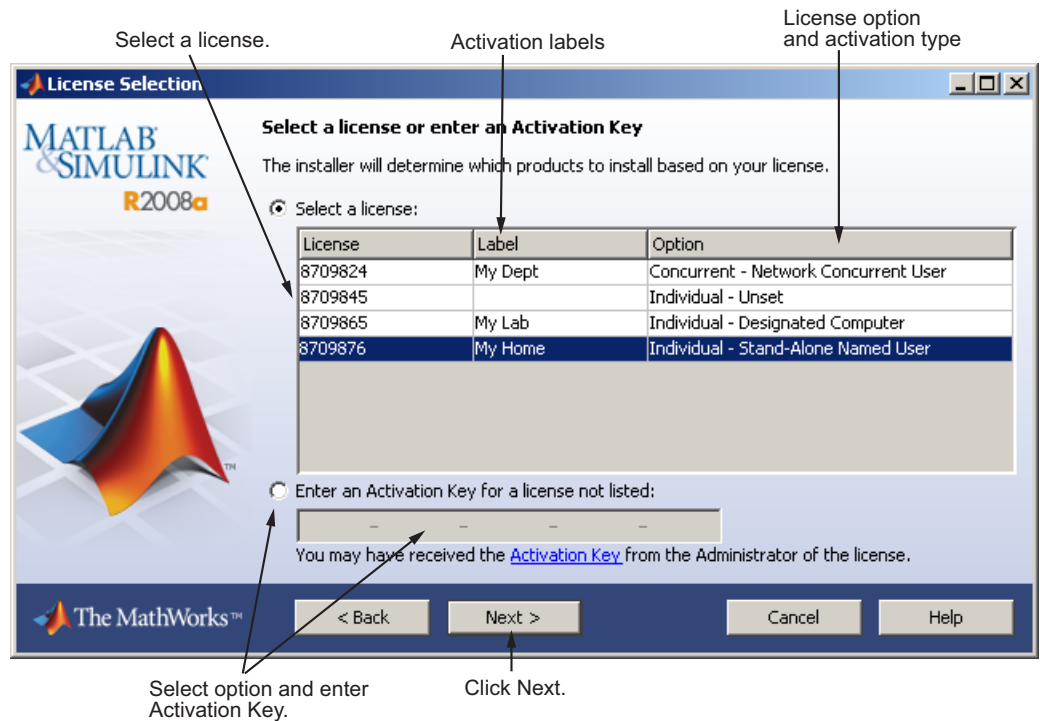
Because the Activation Key you entered specifies a particular license, the installer skips the license selection step.

Step 5: Select the License You Want to Install

Select a license from the list of licenses associated with your MathWorks Account and click **Next**. The list contains the following information about the licenses:

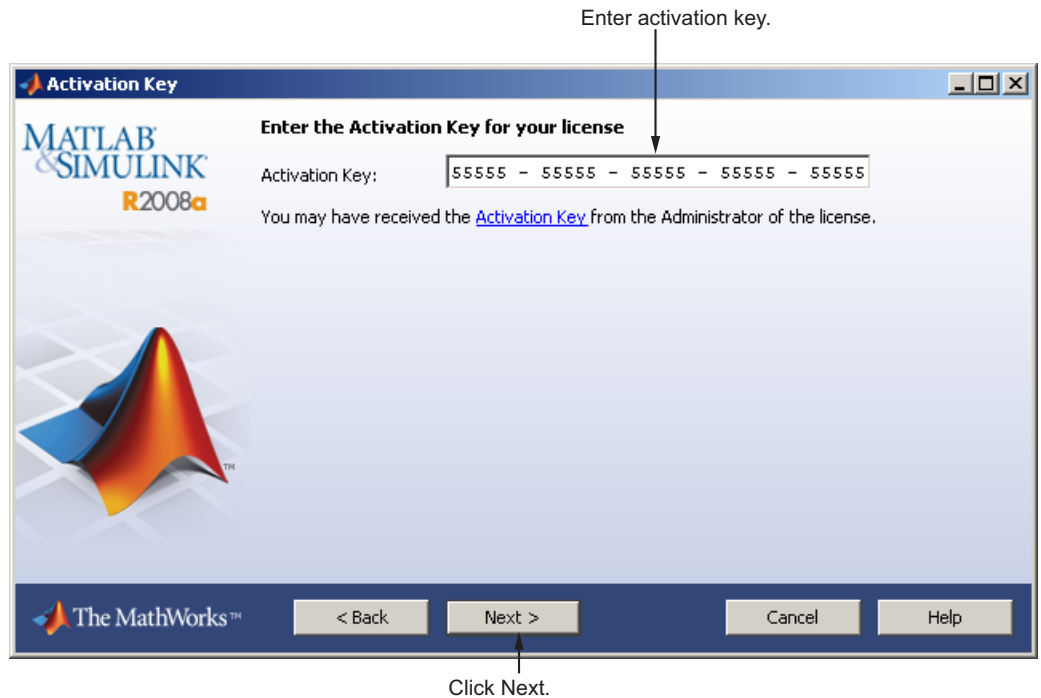
- License number
- An optional descriptive text label that can help identify the license. To label a license, go to the License Center at the MathWorks Web site. See the License Center Help for instructions.
- Information identifying the license option and the activation type. If an activation type has not yet been set on the license, the word “Unset” appears.

If you want to install products on a license that is not associated with your MathWorks Account, select the **Enter an Activation Key for a license not listed** option and enter an Activation Key. An *Activation Key* is the unique code that identifies a license. It is used to activate the license. The Activation Key also allows licensed end users to associate their MathWorks Account with a license. Ask the administrator of the license for the Activation Key.



Specify an Activation Key

If there are no licenses associated with your account, or if permission to activate is disabled on the license, you might see the Activation Key dialog box. Enter an Activation Key and click **Next**. Ask the Administrator contact on the license for the Activation Key.

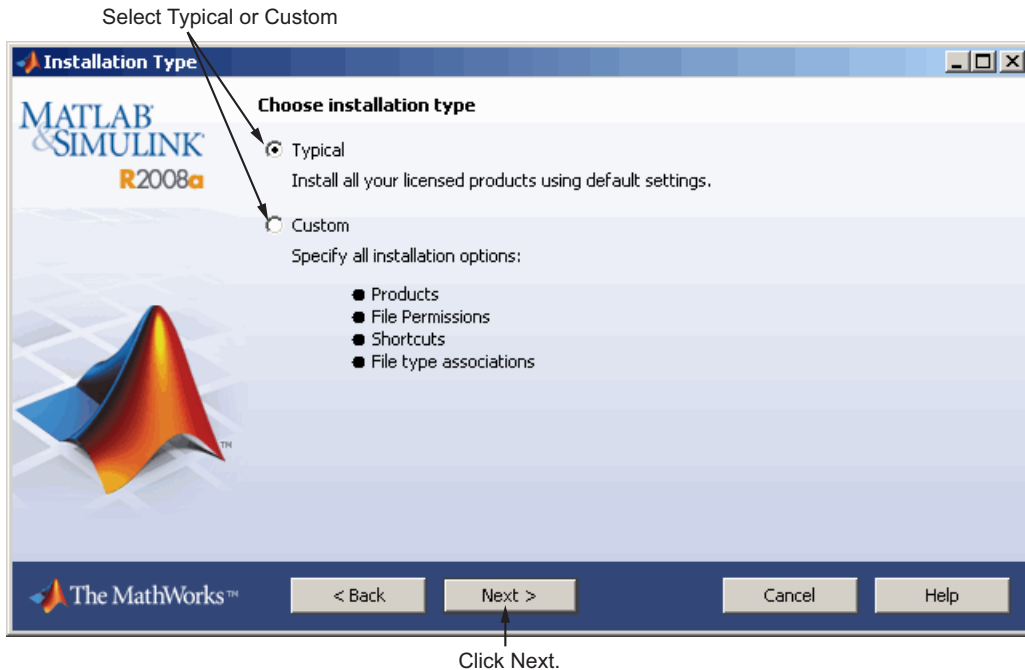


Step 6: Choose Installation Type

In the Installation Type dialog box, specify whether you want to perform a Typical or Custom installation and click **Next**.

- **Typical** — Designed to simplify the installation, choose a Typical installation if you:
 - Have an Individual or Group license
 - Do not need to specify which products you want to install
 - Do not need to access any installation options, such as setting the access permissions of installed files
- **Custom** — Choose a Custom installation if you:
 - Need to specify which products to install
 - Need access to installation options

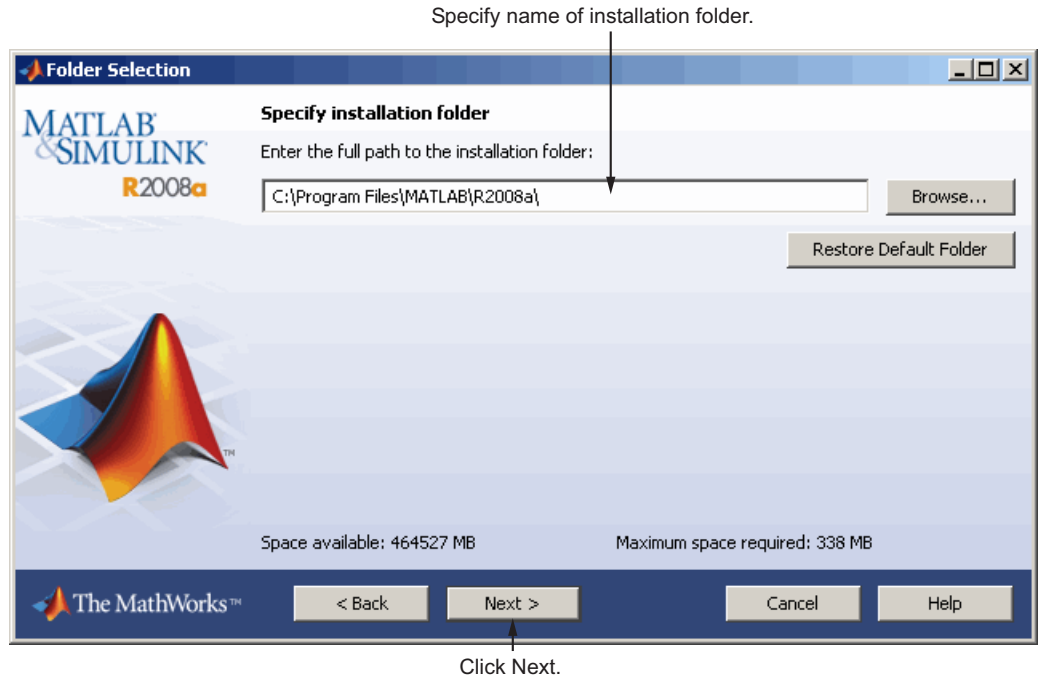
- Need to install the license manager (network license options only)



Step 7: Specify Installation Folder

Specify the name of the folder where you want to install MathWorks products. You can accept the default installation folder or specify the name of a different installation folder. If the folder doesn't exist, the installer creates it.

When specifying a folder name, do not specify a name that contains the @ sign, an exclamation point (!), the per cent character (%), the plus sign (+), or the dollar sign (\$) character. The full path of the installation folder must not include a folder named private. If you make a mistake while entering a folder name and want to start over using the default folder name, click **Restore Default Folder**. To continue with the installation, click **Next**.

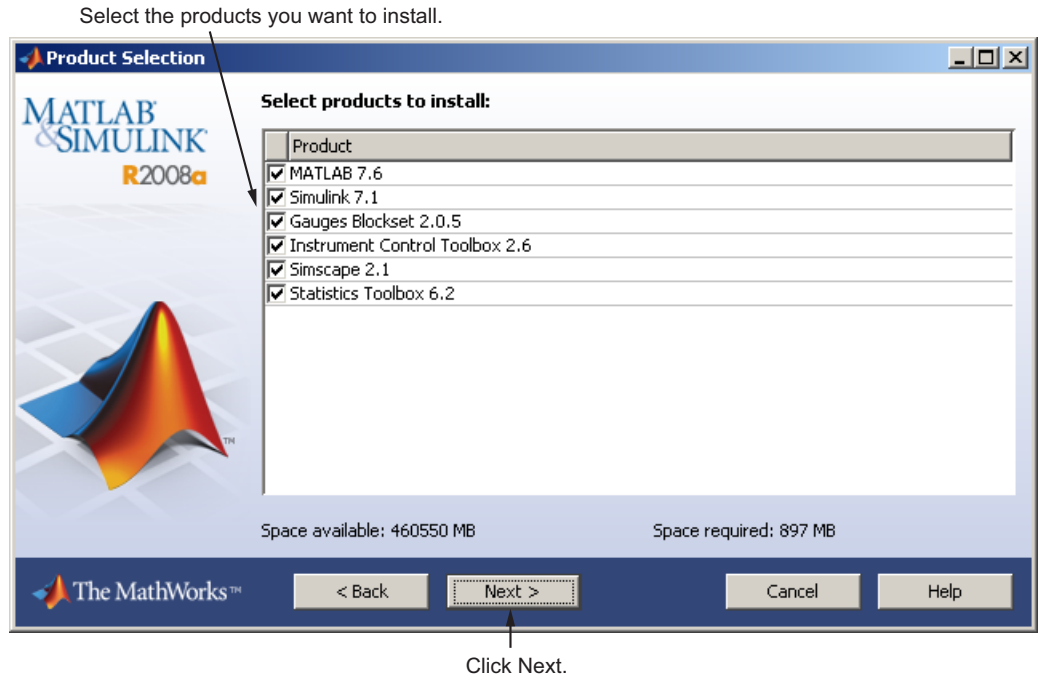


If you chose a typical installation, the installer skips the product selection and installation options steps.

Step 8: Specify the Products to Install (Custom Only)

If you are performing a custom installation, you can specify which products you want to install in the Product Selection dialog box. This dialog box lists all the products associated with the license you selected or with the Activation Key you specified. In the dialog box, all the products are preselected for installation. If you do not want to install a particular product, clear the check box next to its name.

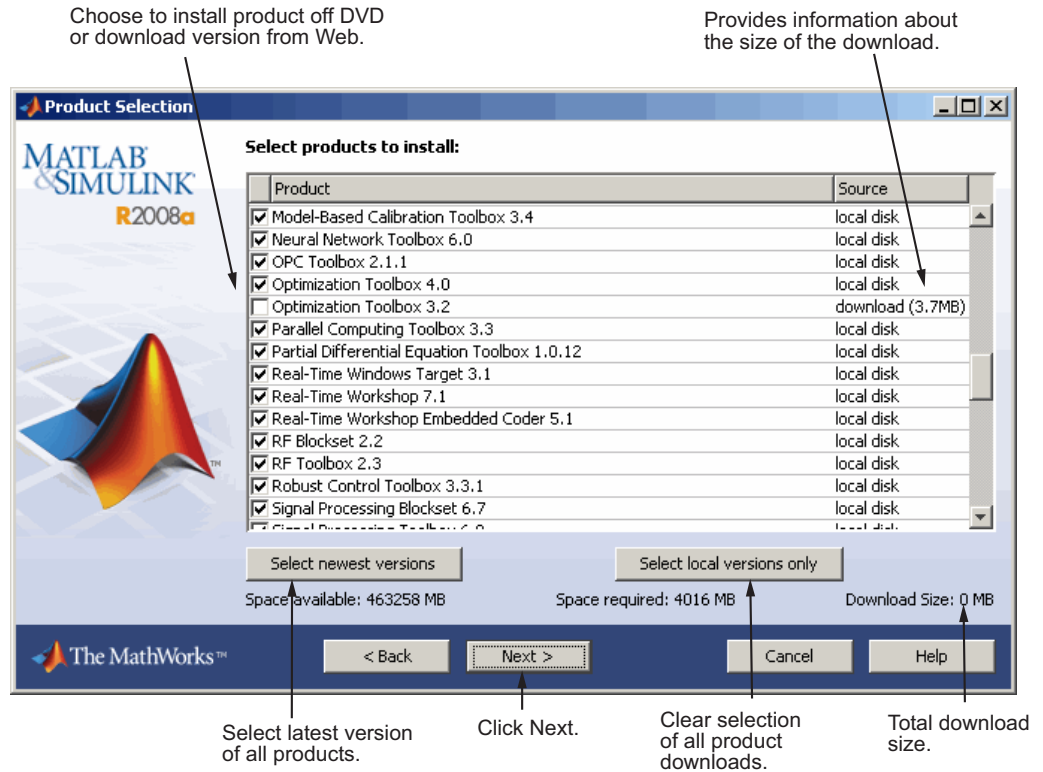
After selecting the products you want to install, click **Next** to continue with the installation. After clicking **Next**, you might receive a message telling you that one or more of the products you selected depend on other products. Consider adjusting your product selection.



If you asked the installer to determine if newer versions of your products are available at the MathWorks Web site, the installer displays both versions in the product list. By default, the latest version is preselected for installation. When there are product updates available, the Product Selection dialog box includes a column, called **Source**, that identifies whether the product will be installed from the DVD or must be downloaded. For product downloads, the Source column includes information about the size of the download file. The dialog box also includes information about the total download size for all the products you select.

If you do not want to download any product updates, click **Select local versions only**. This clears the selection of all the product downloads in the product list. If you want to install only the latest versions of all products, click **Select newest versions**.

After selecting the products you want to install, click **Next** to continue with the installation.

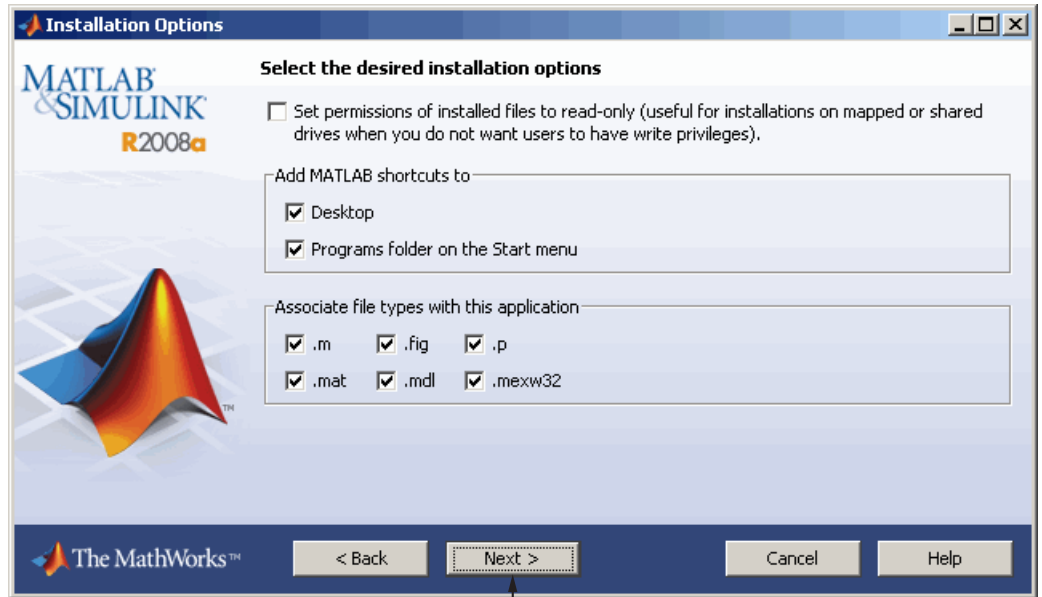


Step 9: Specify Installation Options (Custom Only)

For Custom installations, you can specify several installation options, including:

- Setting the permissions of all installed files to read only. (This option is more commonly used with network licenses.)
- Determining whether the installer puts shortcuts for MATLAB software in the **Start** menu and on the desktop.
- Specifying which files the operating system associates with MATLAB, based on their file extension. For example, if you associate files with the `.m` file extension with MATLAB, the operating system identifies the type of these files as MATLAB M-file.

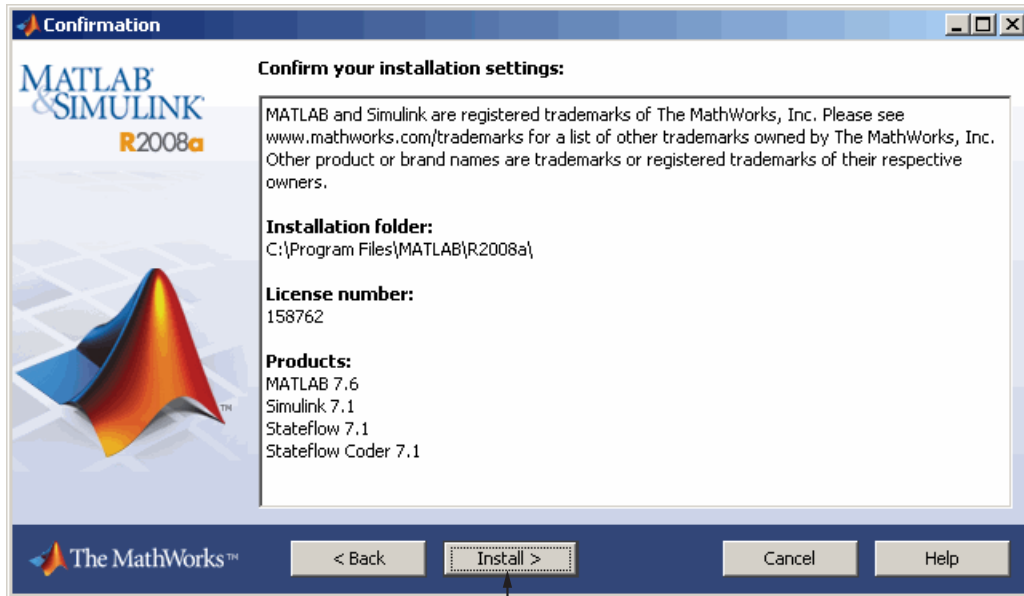
After selecting installation options, click **Next** to proceed with the installation.



Click Next.

Step 10: Confirm Your Choices

Before it begins copying files to your hard disk, the installer displays a summary of your installation choices. To change a setting, click **Back**. To proceed with the installation, click **Install**.



Click Install.

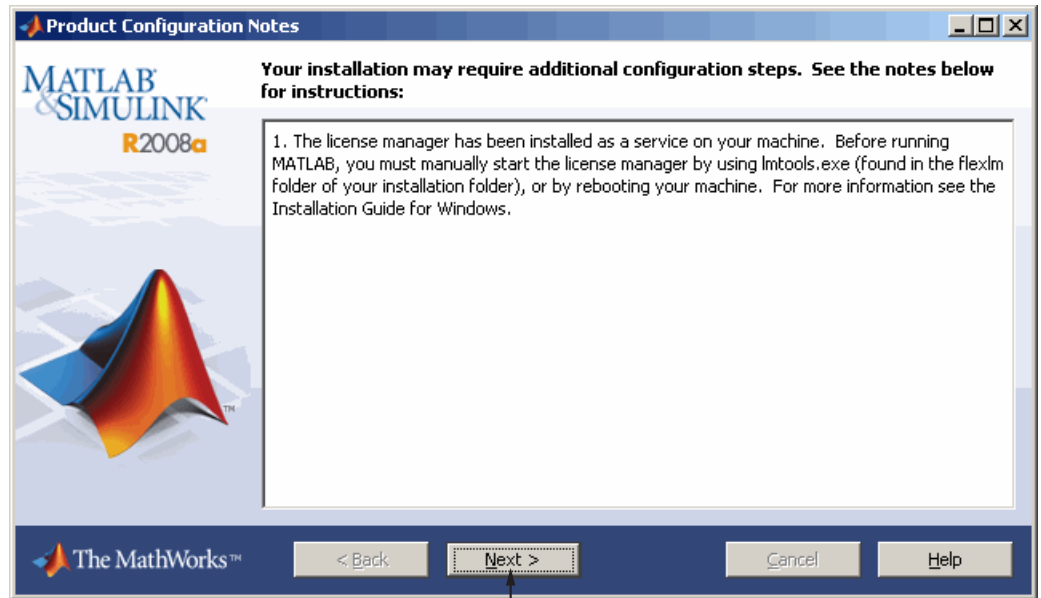
As it copies files to your hard drive, the installer displays a status dialog box to show the progress of the installation.

Read Product Configuration Notes

Depending upon which products you install, the installer might display a dialog box containing several types of information:

- **Product configuration information** — Certain products require additional configuration. If you installed one of these products, the installer lists the configuration commands in this dialog box. You can copy this command to your system clipboard for use after the installation is completed.
- **Available product updates** — If your license identifies products that are not on the DVD, and you are not currently connected to the Internet or you chose not to download product updates, the installer lists these products in this dialog box. After installation is complete, you can go to the MathWorks Web site to download these products.

Click **Next** to proceed with the installation.



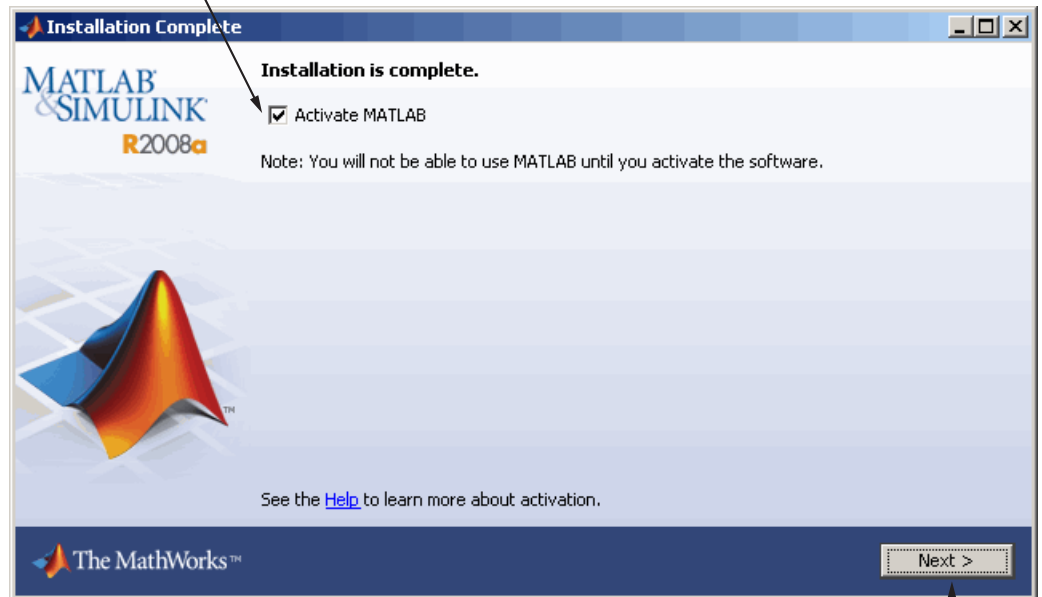
Click Next.

Step 11: Complete the Installation

When the MathWorks installer finishes, it displays the Installation Complete dialog box. In this dialog box, you can choose to activate the software you just installed. You cannot use the software you installed until you activate it. The MathWorks recommends activating immediately after installation. Click **Next** to proceed with activation.

If you choose to exit the installer without performing activation, clear the **Activate MATLAB** option and click **Finish** (the button label changes). You can activate later using the activation application.

To activate your software, leave this selected.



If you choose to continue on to activation, click Next. Otherwise, click Finish.

Related Topics

For step-by-step instructions on the activation process, see “Activating an Installation” on page 1-18.

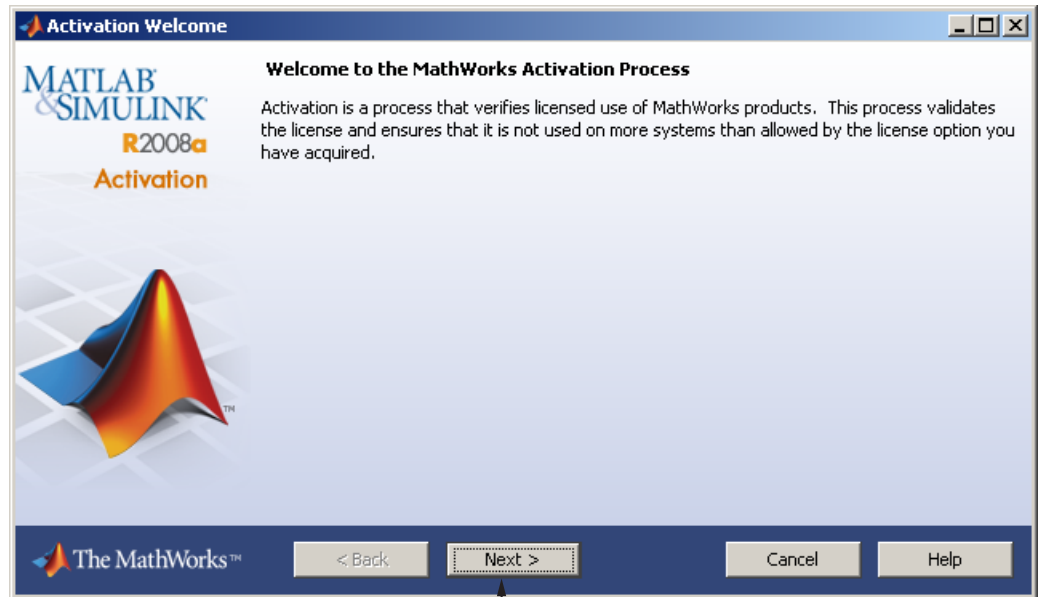
Activating an Installation

In this section...
“Step 1: Start the Activation Application” on page 1-18
“Step 2: Log in to Your MathWorks Account” on page 1-21
“Step 3: Select the License You Want to Activate” on page 1-23
“Step 4: Select Activation Type” on page 1-24
“Step 5: Specify User Name” on page 1-25
“Step 6: Confirm Your Activation Information” on page 1-26
“Step 7: Complete Activation” on page 1-27

Step 1: Start the Activation Application

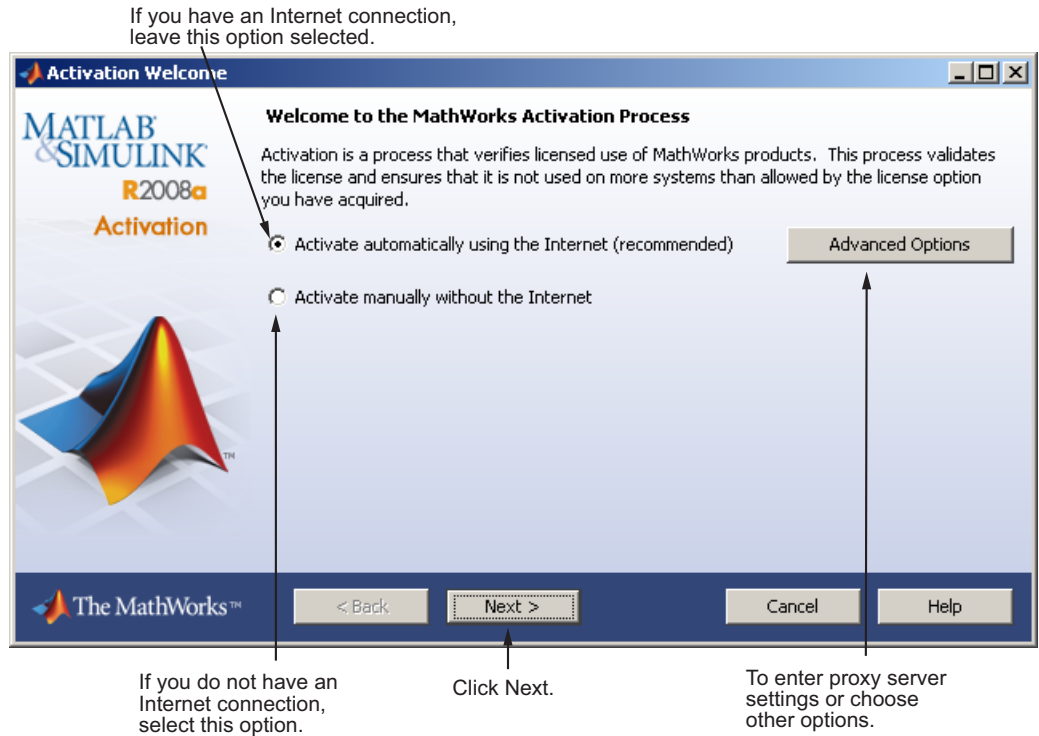
Activation is a process that verifies licensed use of MathWorks™ products. This process validates the license and ensures that it is not used on more computers or by more users than allowed by the license option you have acquired.

If you let the installer start the activation application, and you were logged in to your MathWorks Account during installation, your log in session continues into the activation process. In the Activation Welcome dialog box, click **Next** to continue.



Click Next.

If you were not logged to your MathWorks Account during installation, or you started the activation application independently, you must choose whether to activate automatically or manually. If you are connected to the Internet, leave the **Activate automatically using the Internet** option selected. The MathWorks recommends activating automatically. The option to activate manually is useful if you do not have an Internet connection. Note that you need a License File to activate manually.



If your Internet connection requires a proxy server, click the **Advanced Options** button. You can enter the server name and port information in the Proxy Settings dialog box.

Starting the Activation Application

You can start the activation application using any of the following methods:

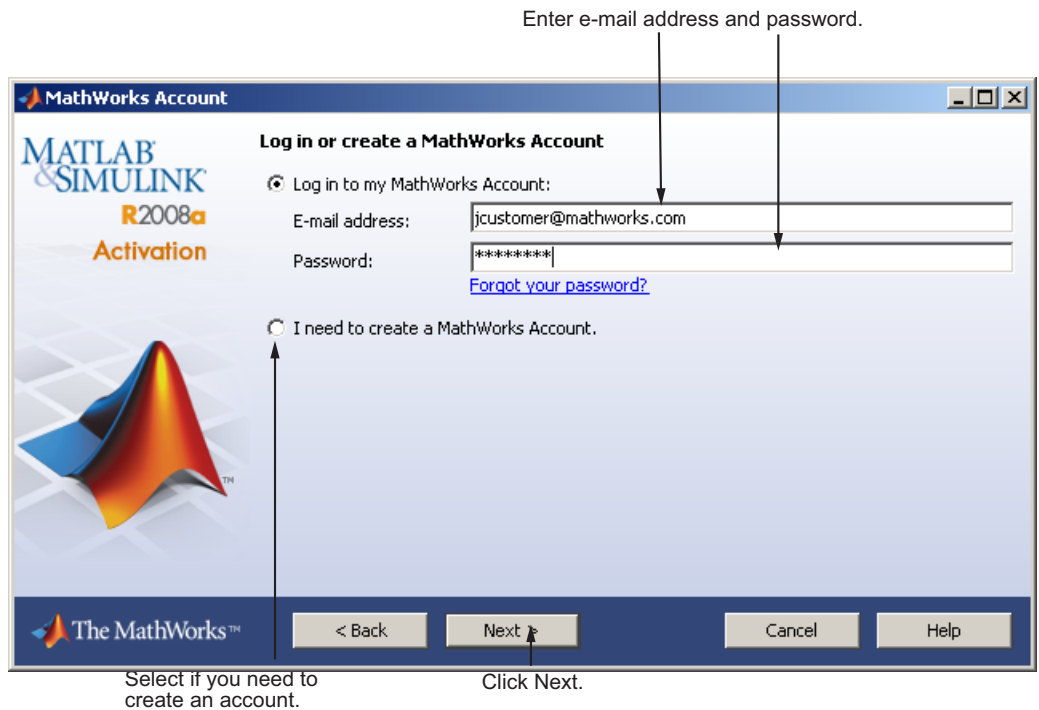
- Leaving the **Activate MATLAB** option selected on the Installation Complete dialog box and clicking **Next**. The installer starts the activation application for you automatically.
- Clicking the Windows® **Start** menu, going to **Programs>MATLAB>MATLAB R2008a** and clicking **Activate MATLAB R2008a**.

- Starting a MATLAB installation that has not been activated. The activation application starts automatically.
- Clicking the MATLAB **Help** menu, selecting **Licensing**, and clicking **Activate Software**.

Step 2: Log in to Your MathWorks Account

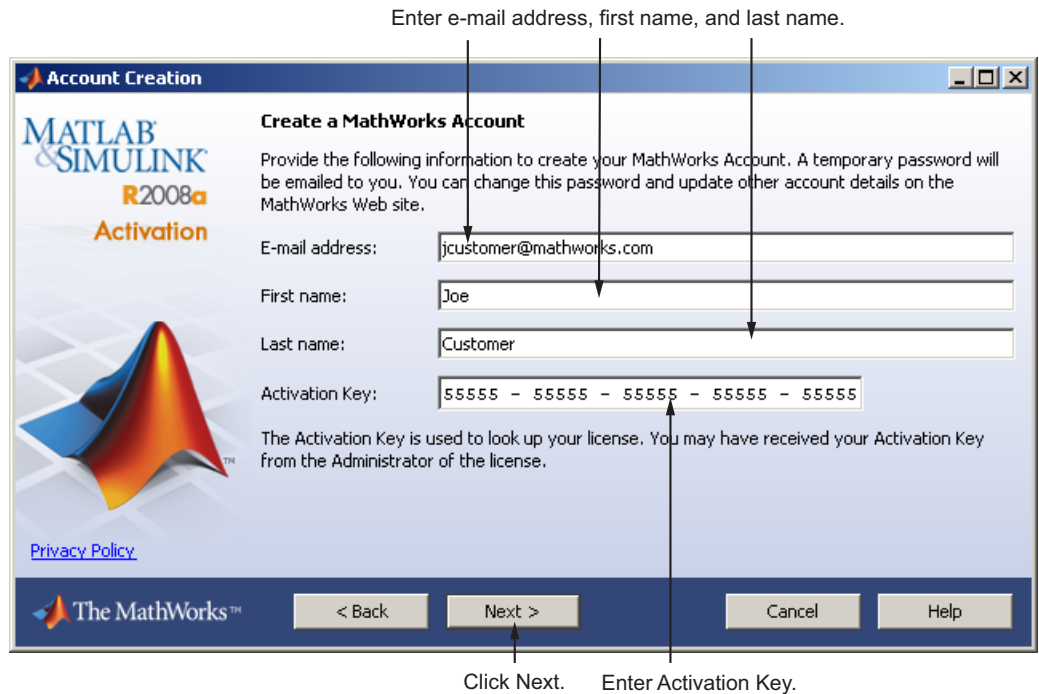
Note If you continued on with activation immediately after installation, and you logged in to your account during installation, the activation application skips this step.

Enter the e-mail address and password of your MathWorks Account and click **Next**. If you do not have a MathWorks Account, select the **I need to create a MathWorks Account** option and click **Next**.



Creating a MathWorks Account

Enter your e-mail address, first name, last name, and Activation Key. To create an account, you must provide an Activation Key. A newly created account will not have any licenses associated with it. The Activation Key identifies the license you want to install. The administrator contact on the license can retrieve the key by visiting the License Center at the MathWorks Web site. Click **Next** to create your account.



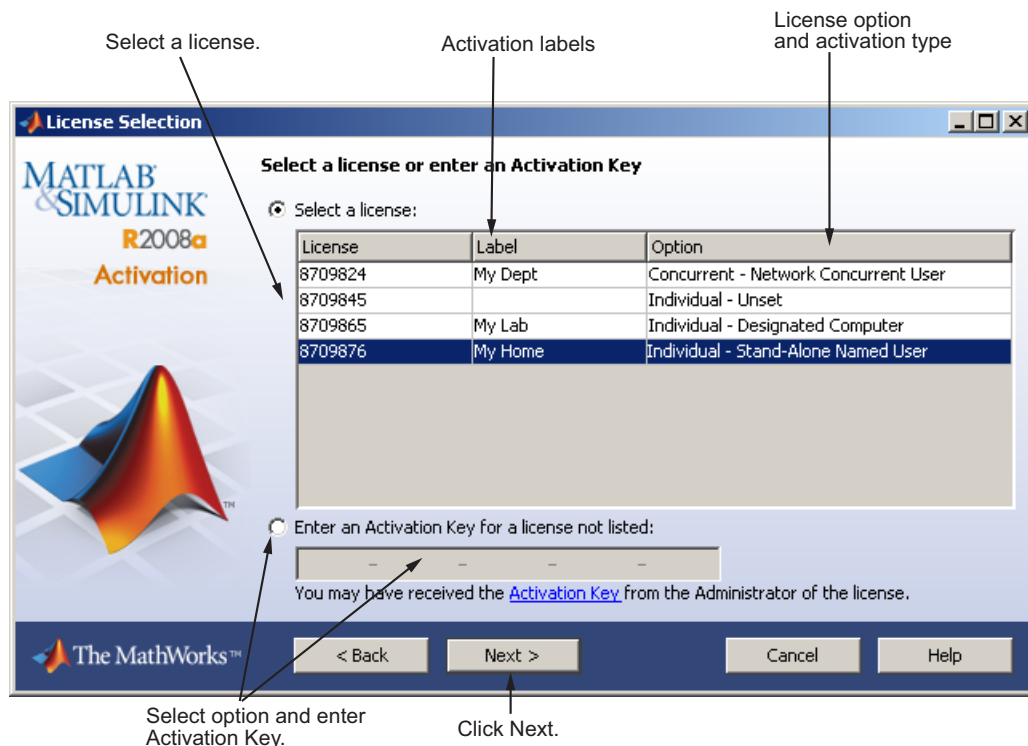
Step 3: Select the License You Want to Activate

Note If you continued on with activation immediately after installation, the activation application assumes you want to activate the license you just installed and skips this step. Likewise, if you created a new account in the previous step and specified an Activation Key, the activation application skips this step.

Select a license from the list of licenses associated with your MathWorks Account and click **Next**. The list contains the following information about the licenses:

- License number
- An optional descriptive text label that can help identify the license. To label a license, go to the License Center at the MathWorks Web site. See the License Center Help for instructions.
- Information identifying the license option and the activation type. If an activation type has not yet been set on the license, the word “Unset” appears.

If you want to install products on a license that is not associated with your MathWorks Account, select the **Enter an activation key for a license not listed** option and enter an *Activation Key*. An Activation Key is the unique code that identifies a license. It is used to activate the license. The Activation Key also allows licensed end users to associate their MathWorks Account with a license. Ask the administrator of the license for the Activation Key.

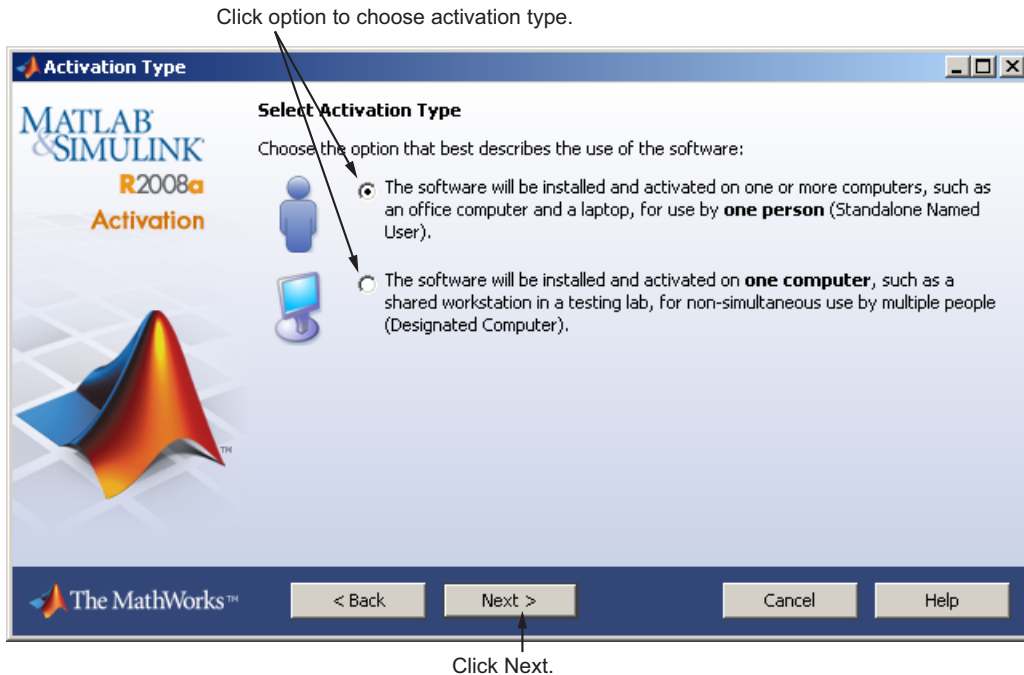


Step 4: Select Activation Type

Note If the license you installed (or selected in the previous step) has the activation type preset, the activation application skips this step.

Select an activation type for your license. If you want to ensure that you are the only person who can use the software, select the Standalone Named User option. If you want to share the installation for nonsimultaneous use by several people, choose the Designated Computer option.

After making your selection, click **Next** to proceed with activation.



Step 5: Specify User Name

Note If you picked the Designated Computer activation type for the license, the activation application skips this step. You do not need to specify a user name.

If you selected the Stand-Alone Named User activation type, you must specify the *operating system user name* of the person who will use the software. The operating system user name is the ID under which a user gains access to a computer. It is also known as computer login name. Standalone Named User activation types lock to this user name in addition to the computer host ID. To use the MathWorks software, you must be logged into the computer as the user name you specify. By default, the activation application fills in the user name of the person running the application.

If you are the administrator of the license, you can activate the license for someone else. Select the **Someone else** option and specify their e-mail address, name, and operating system user name. The activation application looks for their MathWorks Account or creates an account for them. Click **Next** to continue with activation.

Leave this option selected if you will use the software.

Use the user name you are currently logged in under or specify another.

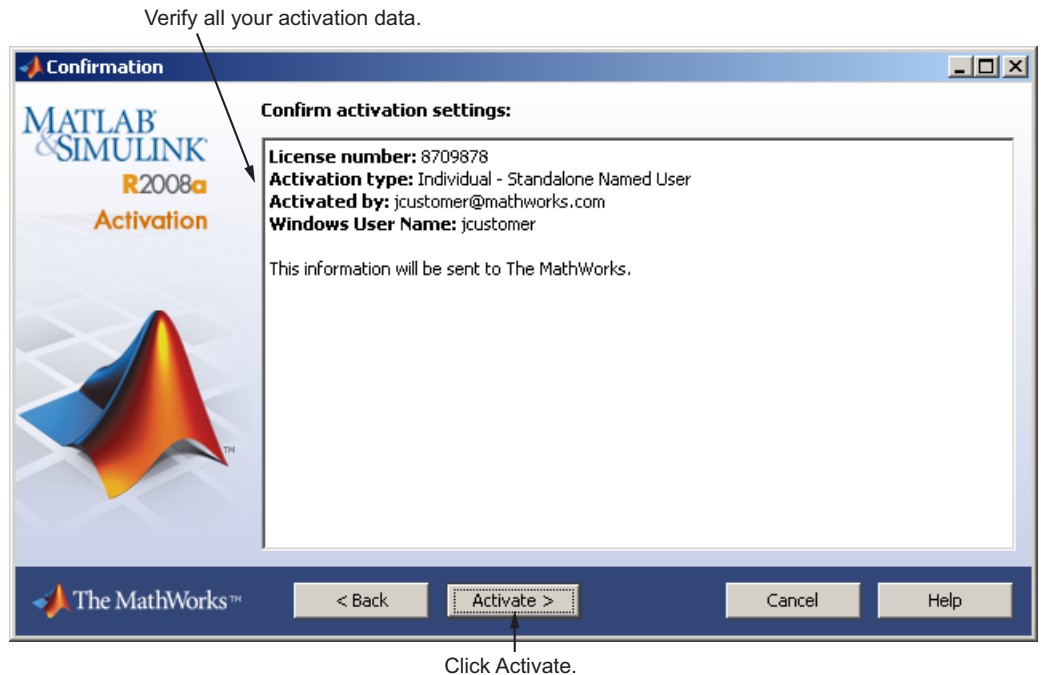
Specify the name, e-mail and user name of the person who will use software.

Click Next.

Step 6: Confirm Your Activation Information

If all the information displayed is correct, click **Activate**.

To activate an installation, the MathWorks creates a License File that is locked to the computer, and to a particular user if you chose the Standalone Named User activation type, and copies this License File onto your computer. This License File enables you to run MathWorks products on your computer. The MathWorks also keeps a record of the activation in MathWorks systems.



Step 7: Complete Activation

After activating your installation, you can run the MathWorks software. If you do not want to run MATLAB now, clear the **Start MATLAB** option and click **Finish** to exit the activation process.



Click Finish.

Installing and Activating Without an Internet Connection

In this section...

“Step 1: Before You Install” on page 1-29

“Step 2: Choose Whether to Install Automatically or Manually” on page 1-30

“Step 3: Review the License Agreement” on page 1-30

“Step 4: Specify the File Installation Key” on page 1-31

“Step 5: Choose Installation Type” on page 1-33

“Step 6: Specify Installation Folder” on page 1-34

“Step 7: Specify Products to Install (Custom Only)” on page 1-35

“Step 8: Specify Installation Options (Custom Only)” on page 1-36

“Step 9: Confirm Your Choices and Begin Copying Files” on page 1-37

“Step 10: Complete Installation” on page 1-38

“Step 11: Activate Your Installation” on page 1-39

“Step 12: Specify Path to License File” on page 1-40

“Step 13: Complete the Activation” on page 1-42

Step 1: Before You Install

Before you run the installer:

- Have your *File Installation Key* and License File handy. You need both these items to perform an off-network installation and activation.

The File Installation Key identifies the products you can install. The License File activates the installation, identifying which products you can run. The administrator contact on the license can retrieve the File Installation Key and License File by going to the License Center at the MathWorks Web site.

- Exit any existing copies of MATLAB software that you have running.
- Get administrator privileges on your computer.

- Consider disabling virus-checking software and Internet security applications on your system for the duration of the installation process. These applications can slow down the installation process or cause it to appear unresponsive (or to hang).

If you have an Internet connection, follow the instructions in “Installing MathWorks™ Software in a Standalone Environment” on page 1-2. The MathWorks recommends installing and activating automatically using an Internet connection.

You can use this procedure to install one of the standalone or network license options. If you use this with a network license option, you must specify the License File path and choose whether to configure the license manager. See “Installing MathWorks™ Software in a Network Configuration” on page 2-3 for more information about these additional steps.

Step 2: Choose Whether to Install Automatically or Manually

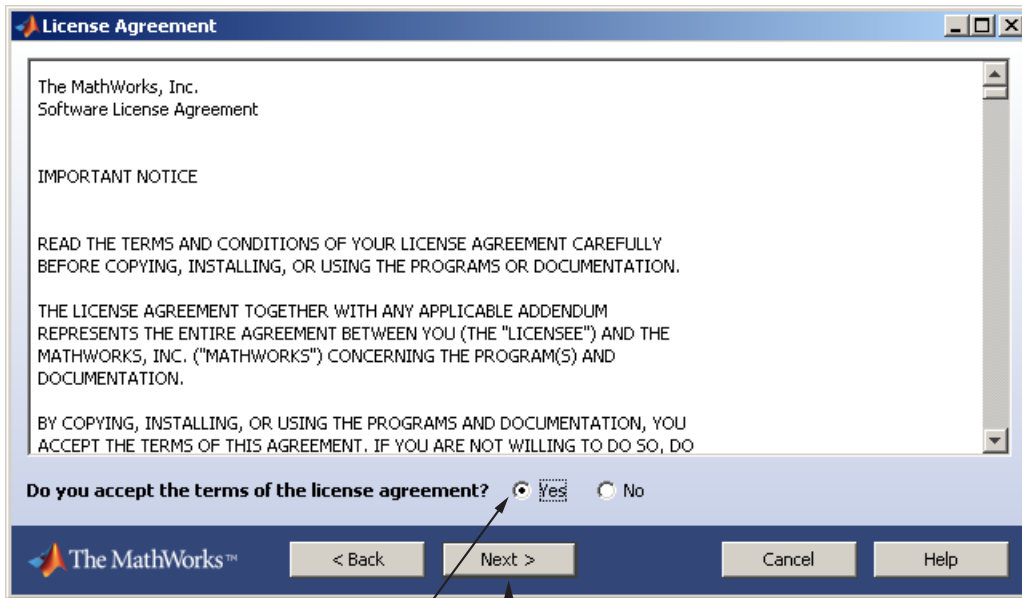
Insert the DVD into the DVD drive connected to your system or double-click the installer file you downloaded from the MathWorks Web site. The installer starts, displaying the welcome dialog box. If you do not have an Internet connection, select the **Install manually without using the Internet option** and click **Next**.

If your Internet connection requires a proxy server, click the **Advanced Options** button. You can enter the server name and port information in the Proxy Settings dialog box.

Step 3: Review the License Agreement

Review the software licensing agreement and, if you agree with the terms, select **Yes** and click **Next**.

After the installation is complete, you can view or print the license agreement using the file `license.txt` located in the top-level installation folder.



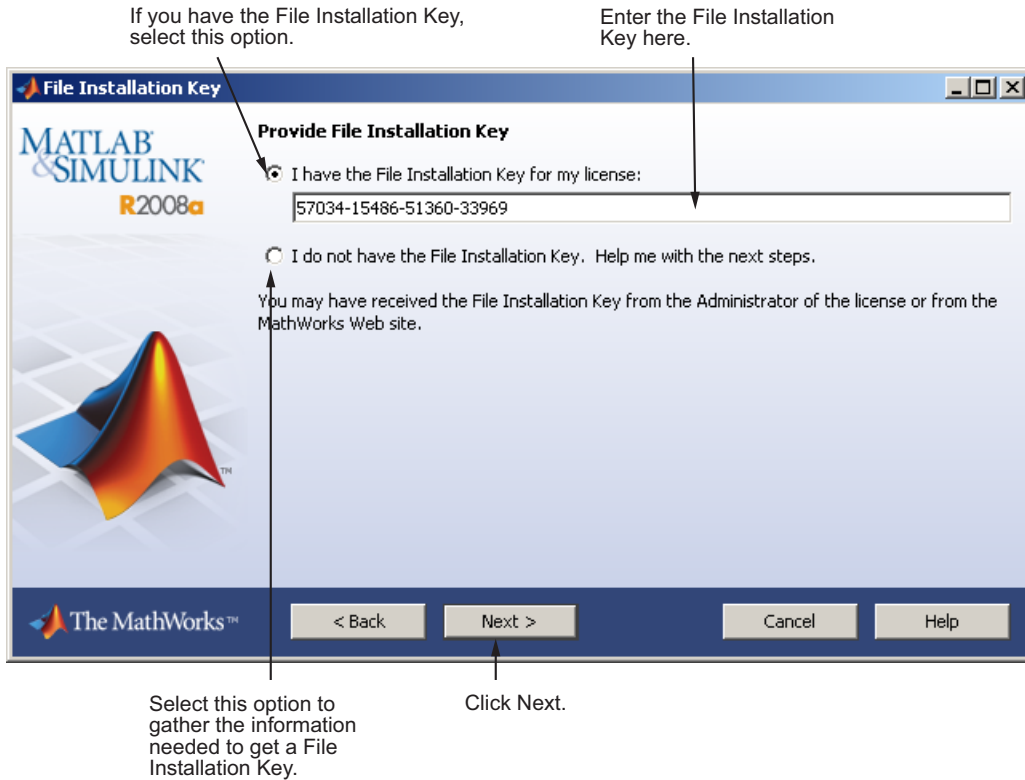
Select Yes. Click Next.

Step 4: Specify the File Installation Key

If you do not have an Internet connection, and choose to install manually, the installer displays the File Installation Key dialog box. A File Installation Key identifies the products you can install.

If you have the key, select the **I have the File Installation Key for my license** option, enter the File Installation Key, and click **Next**. The administrator contact on a license can retrieve the File Installation Key from the License Center at the MathWorks Web site.

If you do not have the File Installation Key, select the **I do not have the File Installation Key** option and click **Next**. The Installer will provide you with the information you need to get a key.



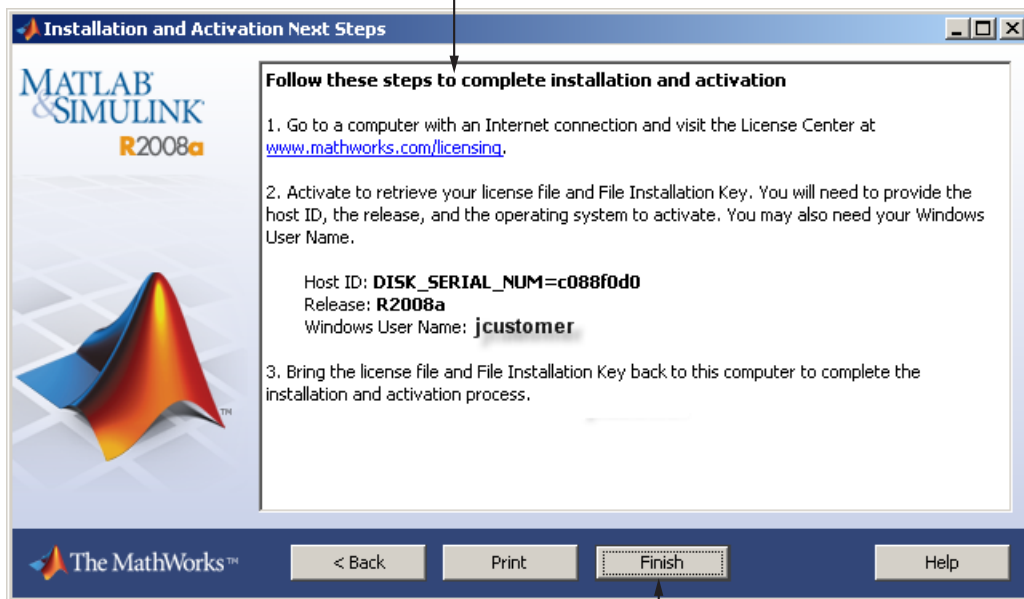
If You Do Not Have the File Installation Key

If you choose the **I do not have the File Installation Key** option, the installer displays the Installation and Activation Next Steps dialog box. This dialog box contains the information you will need to retrieve your File Installation Key from the License Center at the MathWorks Web site, including:

- Host ID
- Release version number (e.g. R2008a)
- Operating system user name — note that user names are case-sensitive in activation

Save this information; you can print it. Take the information to a computer with an Internet connection and visit the License Center at the MathWorks Web site. The MathWorks uses this information to generate a File Installation Key and a License File. You must bring these items back to the computer on which you want to install and activate the software. To exit the activation process, click **Finish**.

Perform this procedure to complete activation.



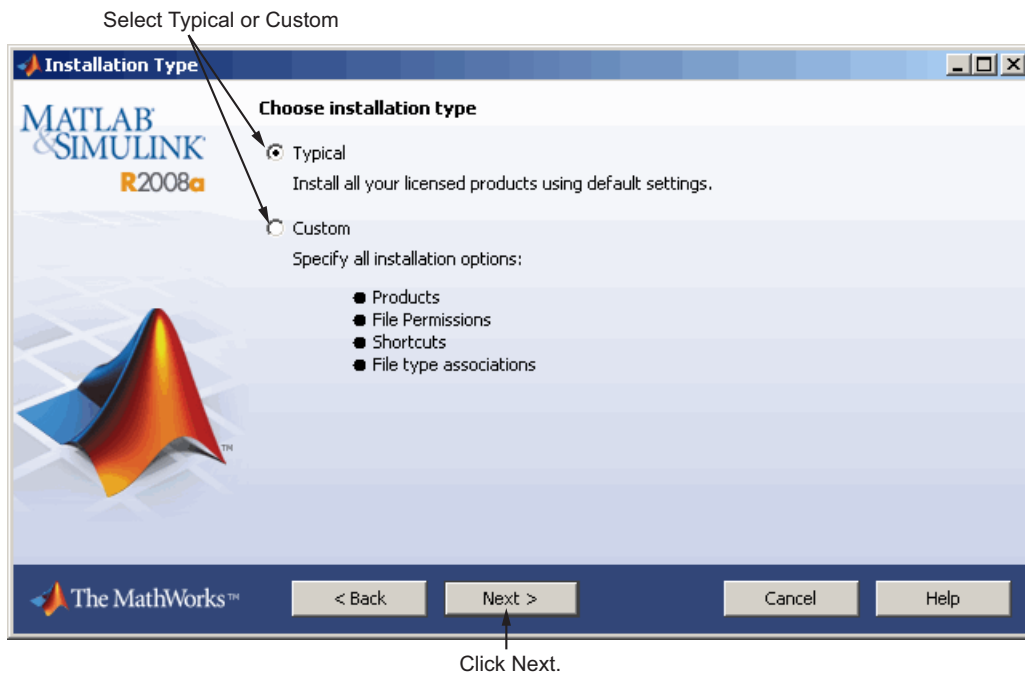
Click Finish.

Step 5: Choose Installation Type

In the Installation Type dialog box, specify whether you want to perform a Typical or Custom installation and click **Next**.

- **Typical** — Designed to simplify the installation, choose a Typical installation if you:
 - Have an Individual or Group license
 - Do not need to specify which products you want to install

- Do not need to access any installation options, such as setting the access permissions of installed files
- **Custom** — Choose a Custom installation if you:
 - Need to specify which products to install
 - Need access to installation options
 - Need to install the license manager (network license options only)

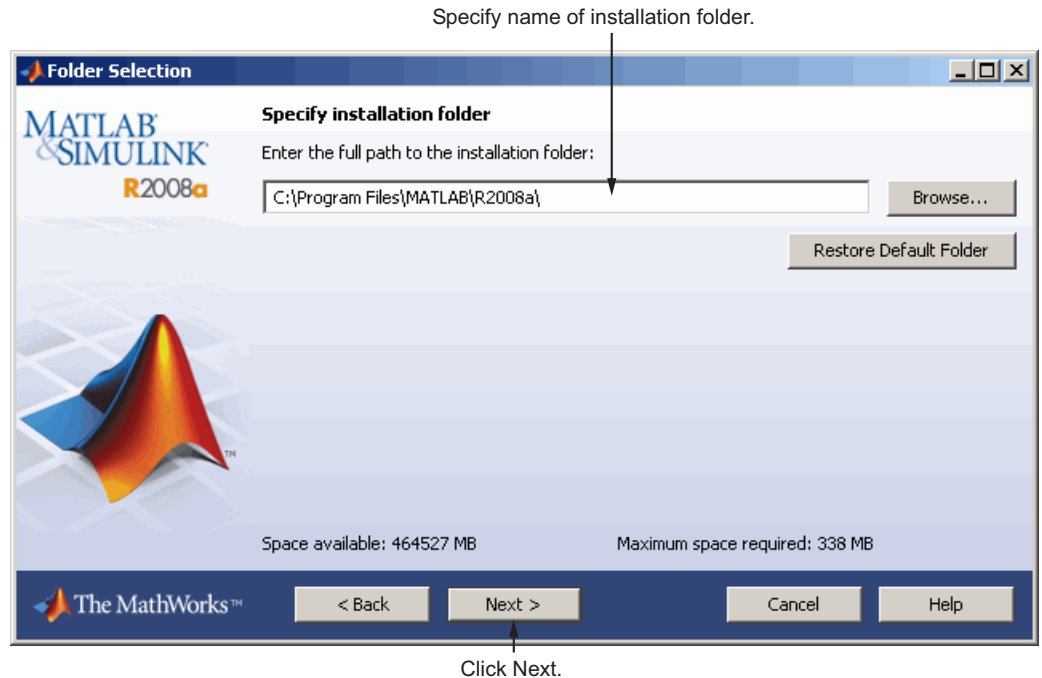


Step 6: Specify Installation Folder

Specify the name of the folder where you want to install MathWorks products. You can accept the default installation folder or specify the name of a different installation folder. If the folder doesn't exist, the installer creates it.

When specifying a folder name, do not specify a name that contains the @ sign, an exclamation point (!), the per cent character (%), the plus sign (+),

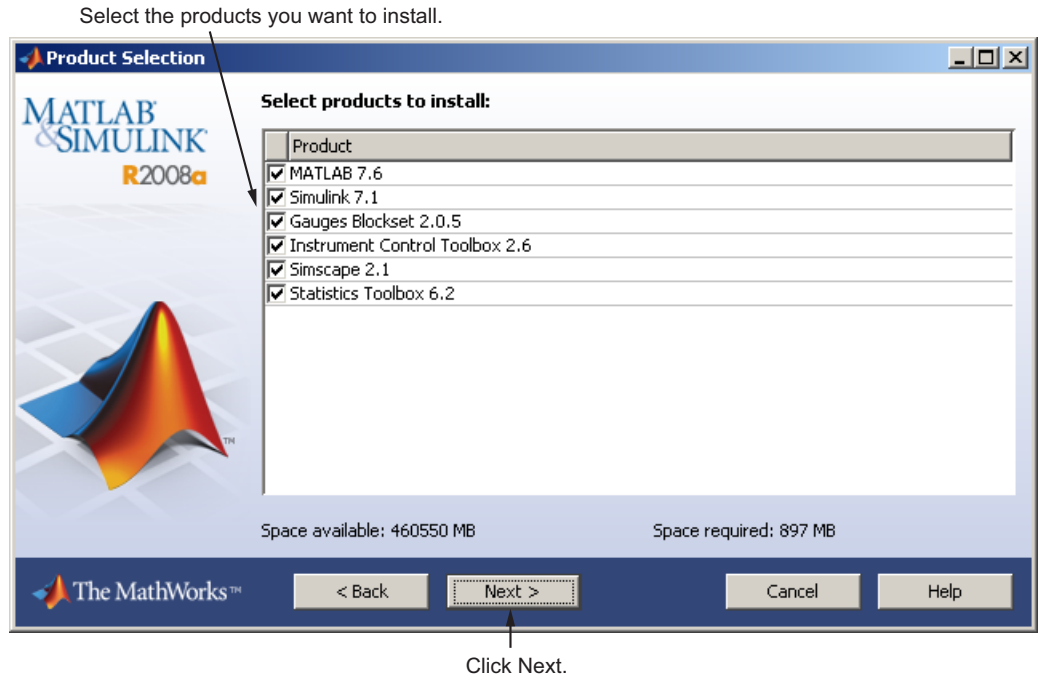
or the dollar sign (\$) character. The full path of the installation folder must not include a folder named `private`. If you make a mistake while entering a folder name and want to start over using the default folder name, click **Restore Default Folder**. To continue with the installation, click **Next**.



Step 7: Specify Products to Install (Custom Only)

If you are performing a custom installation, you can specify which products you want to install in the Product Selection dialog box. This dialog box lists all the products associated with the license you selected or with the Activation Key you specified. In the dialog box, all the products are preselected for installation. If you do not want to install a particular product, clear the check box next to its name.

After selecting the products you want to install, click **Next** to continue with the installation.

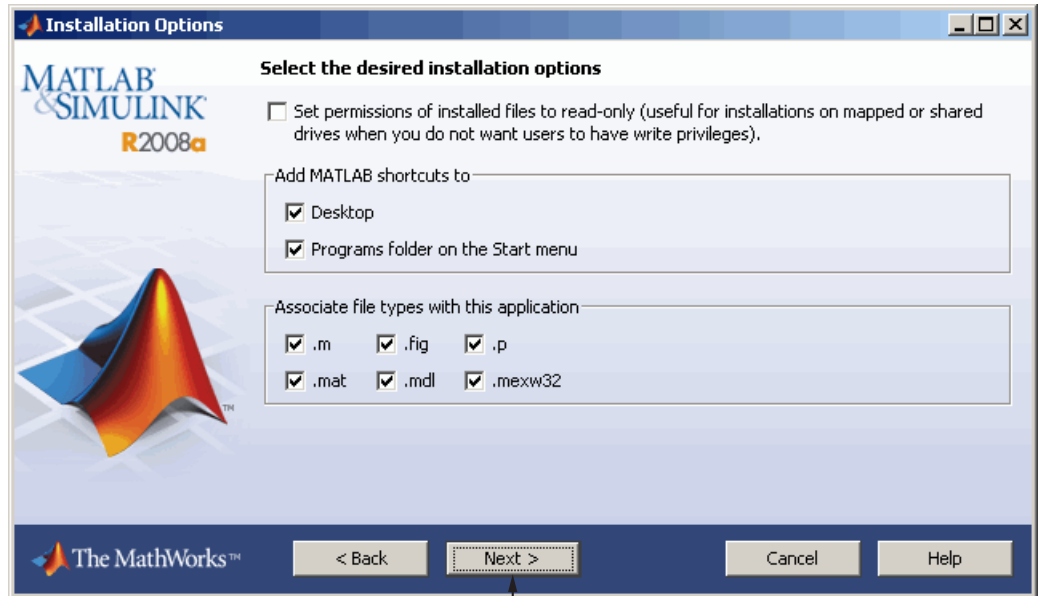


Step 8: Specify Installation Options (Custom Only)

For Custom installations, you can specify several installation options, including:

- Setting the permissions of all installed files to read only. (This option is more commonly used with network licenses.)
- Determining whether the installer puts shortcuts for MATLAB software in the **Start** menu and on the desktop.
- Specifying which files the operating system associates with MATLAB, based on their file extension. For example, if you associate files with the `.m` file extension with MATLAB, the operating system identifies the type of these files as MATLAB M-file.

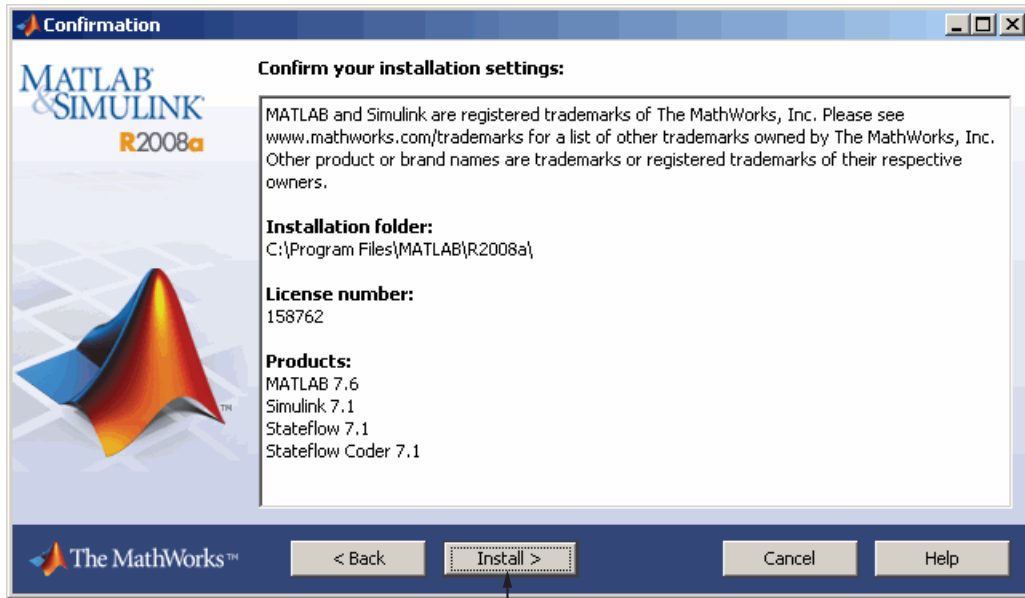
After selecting installation options, click **Next** to proceed with the installation.



Click Next.

Step 9: Confirm Your Choices and Begin Copying Files

Before it begins copying files to your hard disk, the installer displays a summary of your installation choices. To change a setting, click **Back**. To proceed with the installation, click **Install**.



Click Install.

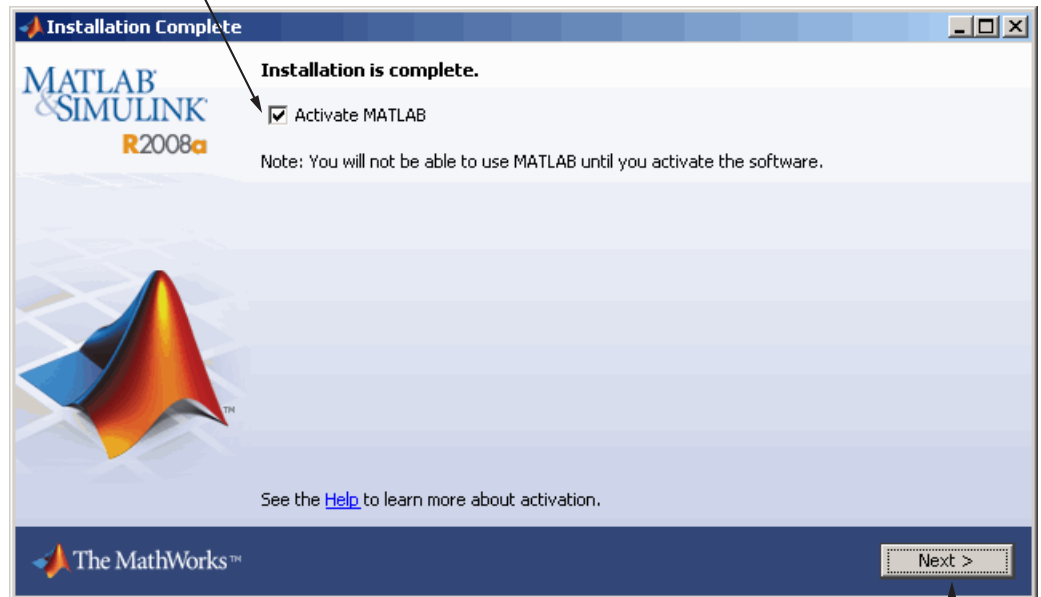
As it copies files to your hard drive, the installer displays a status dialog box to show the progress of the installation.

Step 10: Complete Installation

When the MathWorks installer finishes, it displays the Installation Complete dialog box. In this dialog box, you can choose to activate the software you just installed. You cannot use the software you installed until you activate it. The MathWorks recommends activating immediately after installation. Click **Next** to proceed with activation.

If you choose to exit the installer without performing activation, clear the **Activate MATLAB** option and click **Finish** (the button label changes). You can activate later using the activation application.

To activate your software, leave this selected.



If you choose to continue on to activation, click Next. Otherwise, click Finish.

Step 11: Activate Your Installation

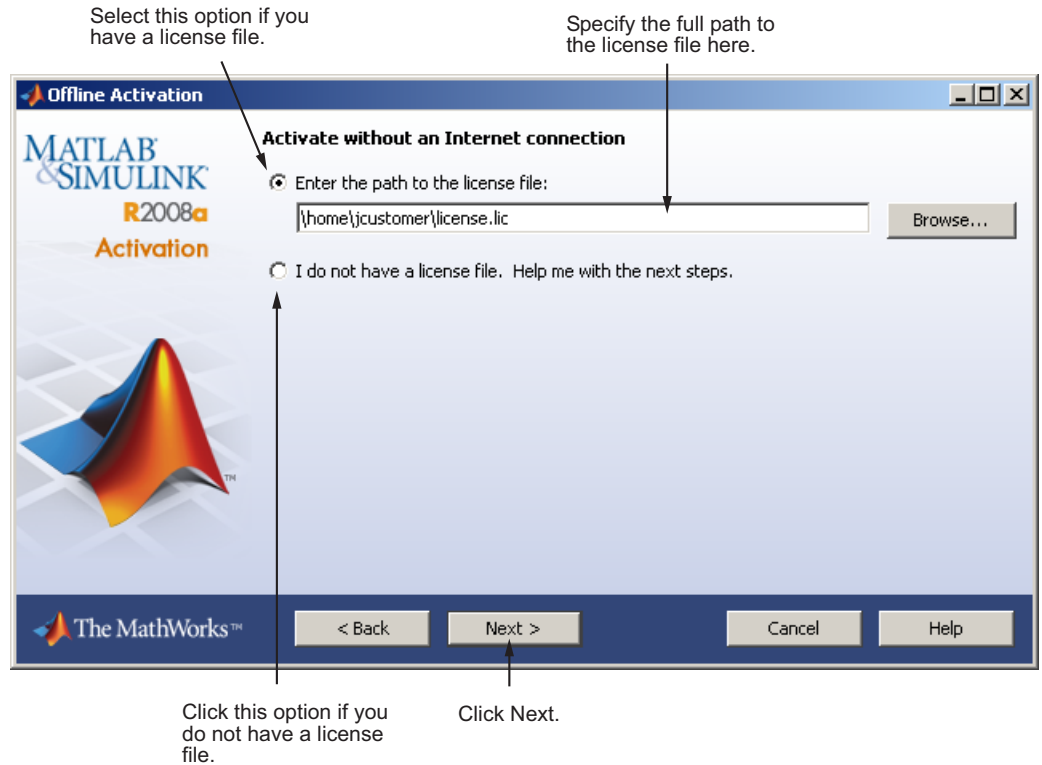
Because you were not logged in to your MathWorks Account during installation, or you started the activation application independently, you must choose whether to activate automatically or manually. Select the **Activate manually without using the Internet** option and click **Next**.



Step 12: Specify Path to License File

To activate without an Internet connection, you must have a License File. The License File identifies which products you can run. The administrator contact on the license can retrieve the License File from the License Center at the MathWorks Web site.

Specify the location of your License File and click **Next**. If you do not have your License File, select the **I do not have a license file** option and see “When You Do Not Have a License File” on page 1-41 for more information.



When You Do Not Have a License File

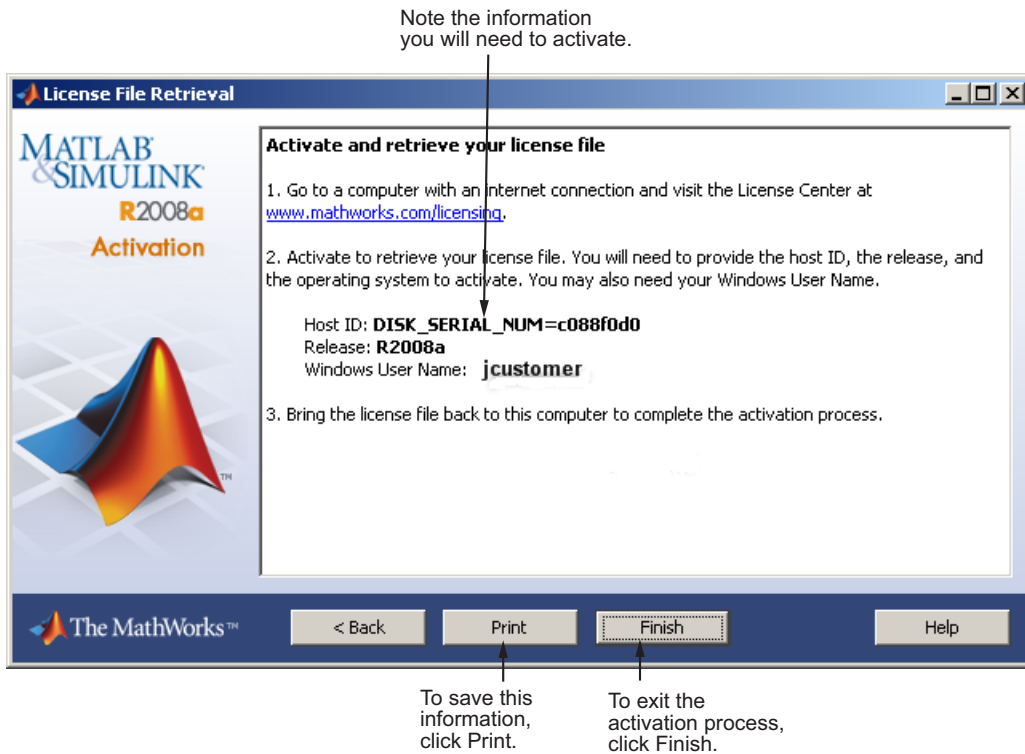
If you are activating manually and do not have your License File, the License File Retrieval dialog box explains how to get your License File and finish activation. The dialog box displays the information you will need it to get your License File, including:

- Host ID
- Release version number (e.g. R2008a)
- Operating system user name — note that user names are case-sensitive in activation

Save this information (you can print it). Take the information to a computer with an Internet connection and visit the License Center at the MathWorks

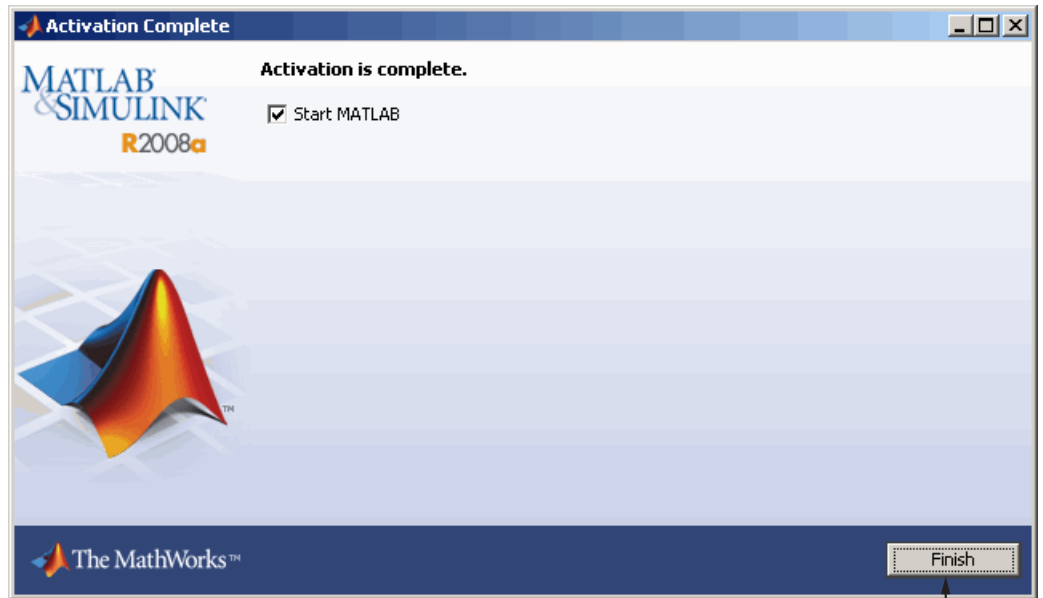
Web site. The MathWorks uses this information to generate a File Installation Key and a License File. You must bring these items back to the computer on which you want to install and activate the software. To exit the activation application, click **Finish**.

Note Your installation will not be activated. You cannot run MATLAB until you retrieve your License File.



Step 13: Complete the Activation

After activating your installation, you can run the MathWorks software. If you do not want to run MATLAB now, clear the **Start MATLAB** option and click **Finish** to exit the activation process.



Click Finish.

After You Install

In this section...

“Starting MATLAB Software” on page 1-44

“Validating an Installation” on page 1-45

“Setting Your Initial Current Folder” on page 1-45

“Setting Up MATLAB Environment Options” on page 1-45

“Finding Information About MATLAB Software” on page 1-45

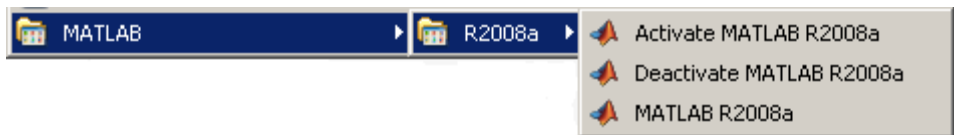
Starting MATLAB Software

To start MATLAB software, you can use any of these methods:

- From the Desktop—Double-click the MATLAB icon (called a *shortcut*) that the installer creates on your desktop.



- From the **Start** menu—Click the **Start** button, select **Programs**, and move the pointer over the MATLAB entry. Select the version of MATLAB you want to start and, on the application menu that appears, click the MATLAB entry.



- Using Windows Explorer—Navigate to your MATLAB installation folder. Expand the MATLAB folder, expand the R2008a folder, and then double-click the shortcut to the MATLAB executable, MATLAB R2008a.

Validating an Installation

Throughout the term of your license, your MATLAB installation periodically contacts the MathWorks to verify that your license is up-to-date. If your license is up-to-date, the validation process is transparent. If it determines that you need to update your license, the validation process displays a dialog box giving you the option to update your license.

You can disable validation at the License Center at the MathWorks Web site. See the License Center Help for step-by-step instructions.

Setting Your Initial Current Folder

By default, when you start MATLAB using the shortcut the installer puts on your desktop, the initial current folder (or startup folder) is the MATLAB folder in your My Documents folder. You can, however, use any folder as your MATLAB initial current folder. See “Startup Directory for the MATLAB® Program”

Setting Up MATLAB Environment Options

To include welcome messages, default definitions, or any MATLAB expressions that you want executed every time MATLAB is invoked, create a file named `startup.m` in the `matlabroot\toolbox\local` folder. Every time you start MATLAB, it executes the commands in the `startup.m` file. A sample startup file, named `startupsav.m`, that you can rename and use as a starting point is included in this folder.

Finding Information About MATLAB Software

After successfully installing MATLAB, you are probably eager to get started using it. The following list provides pointers to sources of information and other features you may find helpful in getting started with MATLAB.

Task	Description
To get an overview of MATLAB and its capabilities	Read the MATLAB Getting Started documentation.

Task	Description
To find out what's new in this release	Read the Release Notes documentation.
To start a product or access product demonstration programs	Use the Start button on the MATLAB desktop.
To get information about specific MATLAB features	Choose the Help item on the MATLAB menu bar to view reference and tutorial information in hyperlinked HTML form.
To get help with specific questions you can't find answered in the documentation	Go to the MathWorks Web site (www.mathworks.com), click Support , and use the Technical Support solution search area to find more information.

Uninstalling and Deactivating a MATLAB Installation

In this section...

“Uninstalling MathWorks Products” on page 1-47

“Deactivating a License” on page 1-50

“Running the Uninstall Program Non-Interactively” on page 1-51

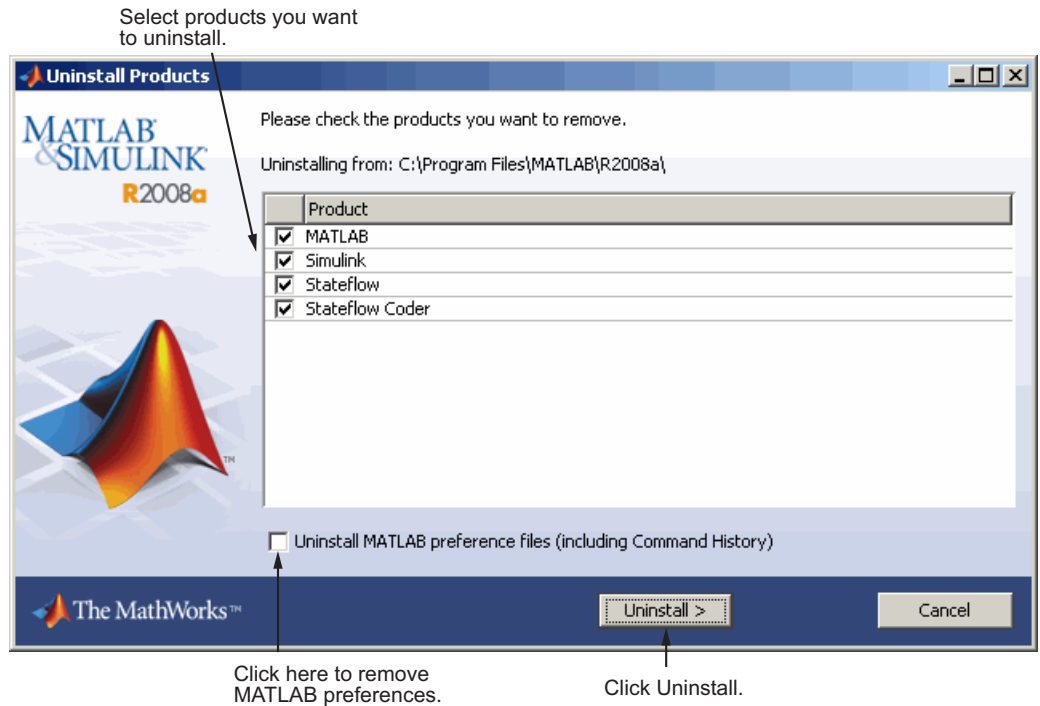
Uninstalling MathWorks Products

To remove MathWorks products from your system, follow this procedure:

- 1 Shut down the MATLAB software.
- 2 Start the uninstaller.

On the Windows Start menu, select **Settings>Control Panel>Add or Remove Programs**. Select **MATLAB R2008a** from the list of products. (You can also start the uninstaller by navigating to your MATLAB installation folder, opening the `uninstall` folder, and double-clicking `uninstaller.exe`.) For information about using an initialization file to run the uninstaller noninteractively, see “Running the Uninstall Program Non-Interactively” on page 1-51.

The uninstaller displays a list of products associated with the release you selected.



- 3 Specify the products you want to remove by selecting the check box next to their names. If you select MATLAB, you automatically remove all other MathWorks products as well.

Note You might receive a message telling you that the product you want to uninstall has other products that depend on it. For example, all MathWorks products require MATLAB. To dismiss the message and continue removing products, click **OK**. To change the products you had selected for deletion, click **Cancel**. For more information, see “Product Dependencies” on page 3-4.

If your MATLAB installation folder contains the archive files associated with downloaded products, the uninstaller displays a message asking if you want to delete these archive files. The installer stores these archive files in the `matlabroot/archives` folder of your installation. To remove these files, click **Yes**.

- 4 (Optional) Specify whether you want to remove your MATLAB preferences file.

The MathWorks stores your MATLAB environment preferences, such as command history and Help favorites, in a set of preference files. These preference files are stored in a system folder that is associated with a particular user. To find where your preferences are located, use the `prefdir` command at the MATLAB prompt, as in the following example.

```
prefdir
ans =
C:\WINNT\Profiles\username\Application Data\MathWorks\MATLAB\R2008a
```

where *username* is the username of the person performing the uninstall.

By default, the uninstaller does not delete these preference files. If you want to remove these files, select the **Uninstall MATLAB preferences** check box. When you make this selection, the uninstaller deletes the contents of your MATLAB preferences folder.

- 5 To proceed with the removal, click the **Uninstall** button. The uninstaller displays the status of the operation as it progresses.
- 6 The uninstaller displays a dialog box when the operation is complete. Click **Finish** to exit the uninstaller. When you uninstall a MATLAB installation, the uninstaller displays a dialog box suggesting that you

deactivate the installation. For complete information about deactivation, see “Deactivating a License” on page 1-50.

Deactivating a License

Deactivating an installation renders the MathWorks software unusable on a particular computer.

To deactivate a MATLAB installation, follow this procedure.

- 1 Start the deactivation application. There are several ways to start the deactivation application:
 - Click the Windows **Start** menu and choose **Programs>MATLAB>R2008a>Deactivate MATLAB R2008a**.
 - Choose to start deactivation after running the uninstaller.
 - Choose to start deactivation after a validation check that finds the installation is inactive.
 - Choosing the deactivate option from the **Help>Licensing** menu in the MATLAB desktop.
 - Navigate to your MATLAB installation folder, open the `uninstall` folder, and double-click `deactivate_matlab.exe`.

The deactivation application displays the licenses you currently have installed and activated on your system. If you start this from within MATLAB, the deactivation application assumes the current license.

- 2 Select the license that you want to deactivate and click **Deactivate Now**. The deactivation application contacts The MathWorks to deactivate the license.

If it can deactivate the license at The MathWorks, the deactivation application displays the License Deactivation Complete dialog box. Click **Finish** to exit the application.

Running the Uninstall Program Non-Interactively

To run the uninstaller noninteractively, perform these steps:

Note When run noninteractively, the uninstaller does not automatically start the deactivation application.

1 Create an uninstaller initialization file.

The MathWorks provides a template for this file, named `uninstaller.ini`, located in the `uninstall` folder in your MATLAB installation folder. Make a copy of this template file, giving it any name you want.

```
copy matlabroot\uninstall\uninstaller.ini C:\temp\my_uninstall.ini
```

2 Open your copy of the initialization file, using any text editor, and enter all the required information. For example, use the `directory` parameter to specify the name of the root folder of the installation you want to remove.

```
directory=C:\Program Files\MATLAB\R2008a
```

In this initialization file, you can specify the name of the products you want to remove and other parameters. By default, the uninstaller removes all products. If your initialization file is missing a required parameter, the uninstaller stops and writes an error to the output log. Two optional parameters you might want to set are

- **Controlling visibility** – By default, when you run the uninstaller in silent mode, the uninstaller still displays the dialog box, even though no interactive response is required. If you want to suppress the display of this dialog box, set the value of the `visible` parameter to `false`.

```
visible=false
```

- **Requesting an output log** – To request that the uninstaller create an output log file that reports on the status of removing an installation, specify the full pathname as the value of the `outlog` parameter.

```
outlog=C:\temp\my_uninstall.log
```

- 3 Save your changes to the file.
- 4 Run the uninstaller (`uninstall.exe`), using the `-if` flag to specify the initialization file as a command-line argument.

For example, click the **Start** button and select the **Run** option. In the Run dialog box, enter the `uninstall` command, specifying the full pathname of the initialization file as a command-line argument.

```
uninstall.exe -if C:\temp\my_uninstall.ini
```

System Requirements

In this section...

“Supported Platforms ” on page 1-53

“Graphics” on page 1-54

“Compilers (for MEX-Files)” on page 1-54

“License Management” on page 1-54

“Additional Requirements” on page 1-54

Note For the most up-to-date information about system requirements, go to the MathWorks Web site (www.mathworks.com).

Supported Platforms

32-bit Windows

Operating System	Processors	Disk Space	RAM
Windows XP (Service Pack 1 or 2)	Intel Pentium (Pentium IV and above)	510 MB (MATLAB only)	512 MB (1024 recommended)
Windows Server 2003 (Service Pack 1 or 2)	Intel Celeron		
Windows Vista	Intel Xeon Intel Core AMD Athlon AMD Opteron		

64-bit Windows

Operating System	Processors	Disk Space	RAM
Windows XP x64 (Service Pack 1 or 2)	Intel Pentium (Pentium IV and above)	510 MB (MATLAB only)	512 MB (1024 recommended)
Windows Server 2003 x64 (Service Pack 1 or 2)	Intel Celeron Intel Xeon Intel Core AMD64		
Windows Vista			

Disk space requirements vary depending on size of partition. The MATLAB installer will inform you of the hard disk space requirement for your particular partition. Installation size is determined by the installer and can vary for NTFS and FAT formats.

Graphics

- 16-, 24-, or 32-bit OpenGL capable graphics adapter
- DirectX 9.0c (August 2005) or later

Compilers (for MEX-Files)

For the most up-to-date information about compilers, go to the MathWorks Web site (www.mathworks.com) and click **Support**.

License Management

- Some license types require a license server running Macrovision® FLEXnet® 11.4, which is provided by the MathWorks installer.
- TCP/IP is required on all platforms when using a license server.

Additional Requirements

- Microsoft® Word 2002, 2003, or 2007 is required to run MATLAB Notebook

- Microsoft® Excel® 2002, 2003, or 2007 is required to run MATLAB® Builder™ EX and Excel® Link™.

Network Installation Procedure

This section describes how to install the MathWorks Release 2008a (R2008a) family of products on a computer running Microsoft® Windows® operating system (32-bit or 64-bit). Use this procedure for license options that can be installed in a network configuration, such as Concurrent or Network Named User. For information about performing standalone installations of MathWorks™ products, see Chapter 1, “Standard Installation and Activation Procedures”.

Overview (p. 2-2)

Describes the various network configuration options, with links to procedures

Installing MathWorks™ Software in a Network Configuration (p. 2-3)

Provides step-by-step installation instructions for performing all types of network installations

After You Install (p. 2-23)

Describes tasks you might want to perform after a successful installation.

Using an Installer Initialization File (Silent Installer) (p. 2-28)

Describes how to use an initialization file with the installer

Overview

Depending on your network configuration, you might have to perform multiple installations:

- Installing the license manager on a server system that is available to all your network users, referred to in this documentation your *license server*. (If you are already running the FLEXnet license manager at your site and are familiar with Macrovision® FLEXnet® licensing, you can copy the MathWorks daemons into the proper directories and use your existing installed license manager.)
- Installing MathWorks products on a server system that is available to all your network users. If your configuration calls for users to use MathWorks products from a central location, rather than having them installed on their local system, you must install the product files on a server. This server can be the same system as your license server, but it does not have to be. You can install MathWorks products at the same time as you install the license manager.
- Installing MathWorks products on each client system. If your network configuration calls for users to install MathWorks products on their own systems, and only access the license server over the network, then you must install the product files on each system. The client systems must be able to connect to the license server over a network.

You can use the MathWorks installer to perform all these installations—see “Installing MathWorks™ Software in a Network Configuration” on page 2-3 for step-by-step instructions. Instead of performing the installation procedures interactively, providing the information requested by each dialog box, you can run the installer noninteractively. In this mode, all the information you would normally provide using the installer dialog boxes you enter in an initialization file. For more information, see “Using an Installer Initialization File (Silent Installer)” on page 2-28.

Note For the network license options, you do not need to run the activation application to activate the software. Instead, you activate the license server in the License Center at The MathWorks™ Web site before you install. Client installations do not need to be activated.

Installing MathWorks™ Software in a Network Configuration

In this section...

- “Step 1: Before You Install” on page 2-3
- “Step 2: Choose Whether to Install Automatically or Manually” on page 2-5
- “Step 3: Review the Software Licensing Agreement” on page 2-6
- “Step 4: Log In to Your MathWorks Account” on page 2-7
- “Step 5: Select the License You Want to Install” on page 2-8
- “Step 6: Specify Type of Installation” on page 2-10
- “Step 7: Specify Installation Folder” on page 2-11
- “Step 8: Specify Products to Install” on page 2-12
- “Step 9: Specify Location of License File” on page 2-15
- “Step 10: Configure the License Manager Service” on page 2-16
- “Step 11: Specify Installation Options” on page 2-17
- “Step 12: Confirm Your Choices” on page 2-18
- “Step 13: Complete the Installation” on page 2-21

Note You use this procedure to install the license manager on a server or install MathWorks products on a client system. If your configuration calls for the license manager and MATLAB software to run on the same machine, you can perform both installations at the same time.

Step 1: Before You Install

Before you run the installation program:

- Have your License File handy. For network configurations, you activate the license before you run the installer on the server. Visit the License Center at The MathWorks Web site, providing the Host ID of the computer on which you intend to run the license manager. The MathWorks creates a

License File that you can download from the License Center. You specify this License File during installation of the license manager on the server. Only the administrator contact on a network license option can activate the software.

- Exit any existing copies of MATLAB you may have running on the system where you are performing the installation.
- Shut down the license manager, if it is running. (License server installations only. See “Starting and Stopping the License Manager” on page 2-23 for more information.)
- Get administrator privileges for the system on which you plan to install MATLAB.
- Consider disabling virus checking software and internet security applications on your system for the duration of the installation process. These applications can slow down or cause the installation process to appear to become unresponsive (hang).

If you have many installations to perform, you can create an installer initialization file and run the installer noninteractively—see “Using an Installer Initialization File (Silent Installer)” on page 2-28.

Upgrade Installations

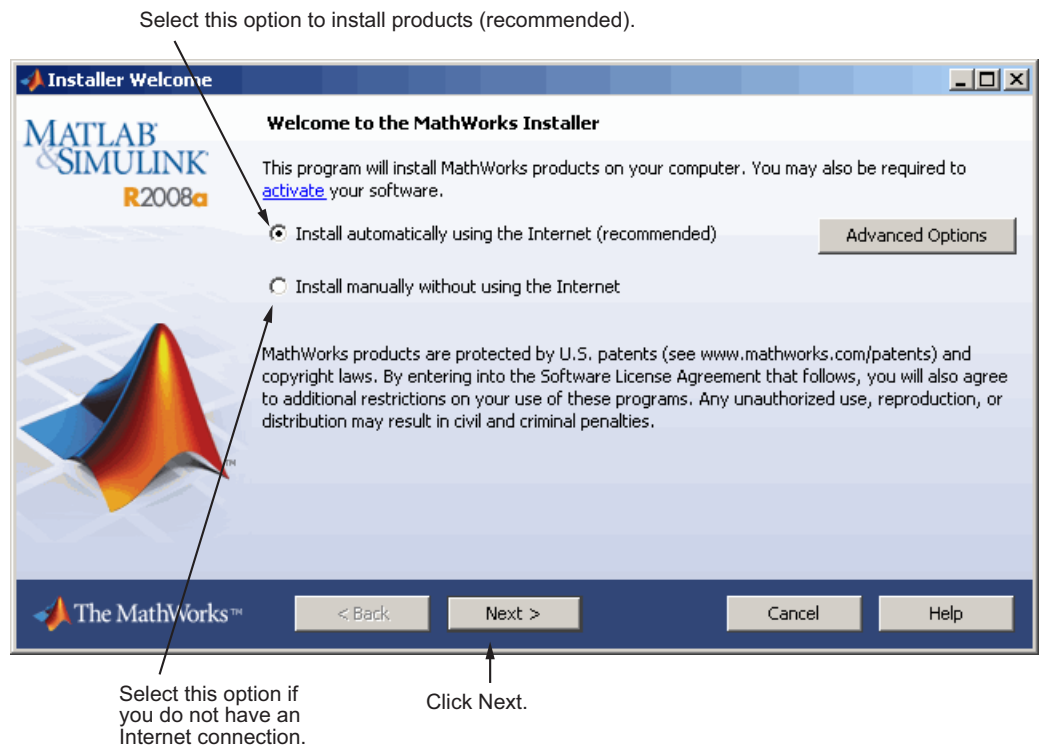
If you are upgrading your MATLAB installation to the latest release, The MathWorks recommends that you install the new version in a new installation folder. You do not need to delete an existing MATLAB installation before installing this release. You can run multiple versions of MATLAB on the same system.

Note If you choose to overwrite an existing installation from a prior release, the installer deletes all the products in your installation folder and installs only those products included in your current license, to avoid potential product incompatibilities. For example, if your existing installation includes 10 products, but your current license only includes 9 of those products, your MATLAB installation only includes the 9 products included in your current license.

Step 2: Choose Whether to Install Automatically or Manually

Insert the DVD into the DVD drive connected to your system or double-click the installer file you downloaded from the MathWorks Web site. The installer starts, displaying the welcome dialog box.

If you are connected to the Internet, the easiest way to install is by selecting the **Install automatically using the Internet** option. During installation, you log in to your MathWorks Account, select the license you want to install, and follow the prompts on the other installer dialog boxes. The installer can determine if newer versions of products that you are installing are available at The MathWorks Web site and offers you the option of downloading these updated versions. Click **Next** to proceed with installation.



If your Internet connection requires a proxy server, click the **Advanced Options** button. You can enter the server name and port information in the Advanced Options dialog box.

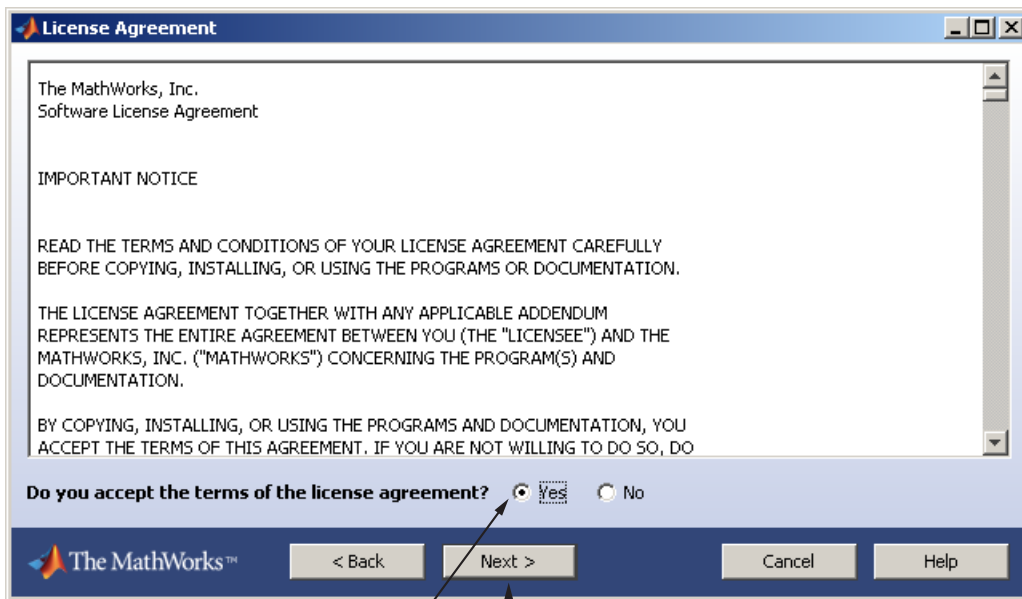
Related Topics

If you do not have an Internet connection during installation, see “Installing and Activating Without an Internet Connection” on page 1-29. Note that a network installation has additional steps.

Step 3: Review the Software Licensing Agreement

Review the software licensing agreement and, if you agree with the terms, select **Yes** and click **Next**.

After the installation is complete, you can view or print the license agreement using the file `license.txt` located in the top-level installation folder.

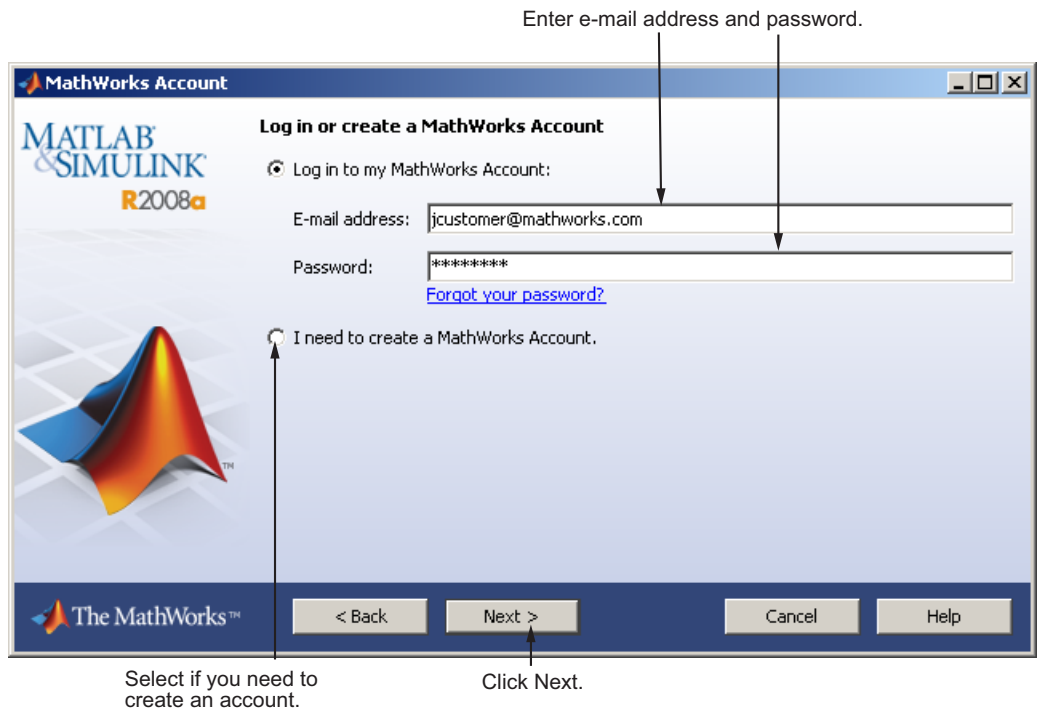


Select Yes. Click Next.

Step 4: Log In to Your MathWorks Account

Note Only the administrator contact on a license can activate a network license.

Enter the e-mail address and password of your MathWorks Account and click **Next**. If you do not have a MathWorks Account, select the **I need to create a MathWorks Account** option and click **Next**.



Creating a MathWorks Account

Enter your e-mail address, first name, last name, and Activation Key. To create an account, you must provide an Activation Key. A newly created account will not have any licenses associated with it. The Activation Key identifies the license you want to install. The administrator contact on the

license can retrieve the key by visiting the License Center at the MathWorks Web site. Click **Next** to create your account.

Enter e-mail address, first name, and last name.

Account Creation

CREATE A MATHWORKS ACCOUNT

Provide the following information to create your MathWorks Account. A temporary password will be emailed to you. You can change this password and update other account details on the MathWorks Web site.

E-mail address:

First name:

Last name:

Activation Key:

The Activation Key is used to look up your license. You may have received the Activation Key from the Administrator of the license.

[Privacy Policy](#)

The MathWorks™

< Back Next > Cancel Help

Click Next. Enter Activation Key.

Because the Activation Key you entered specifies a particular license, the installer skips the license selection step.

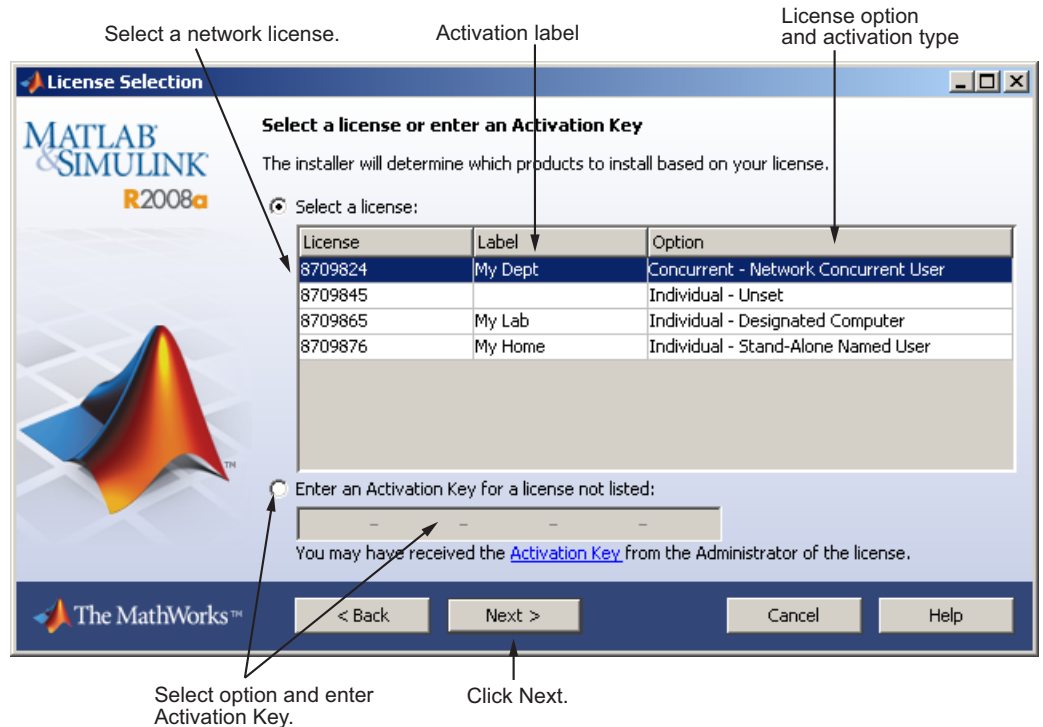
Step 5: Select the License You Want to Install

Note For server or client installations, select a license with one of the network license options.

Select a license from the list of licenses associated with your MathWorks Account and click **Next**. The list contains the following information about the licenses:

- License number
- An optional descriptive text label that can help identify the license. To label a license, go to the License Center at the MathWorks Web site. See the License Center Help for instructions.
- Information identifying the license option and the activation type. If an activation type has not yet been set on the license, the word “Unset” appears.

If you do not see the license you want in the list, select the **Enter an activation key for a license not listed** option and enter an Activation Key. An Activation Key is the unique code that identifies a license.

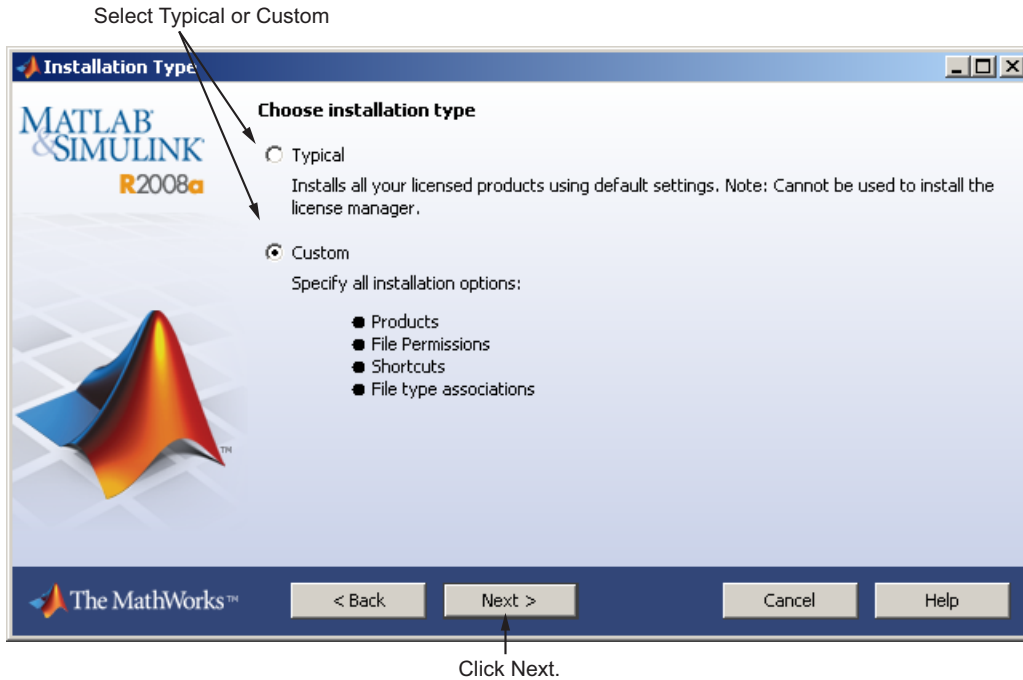


Step 6: Specify Type of Installation

Note For network installations that include the license manager, you must choose the **Custom** option. For a client installation, you can choose to perform either a typical or custom installation.

In the Installation Type dialog box, specify whether you want to perform a Typical or Custom installation and click **Next**.

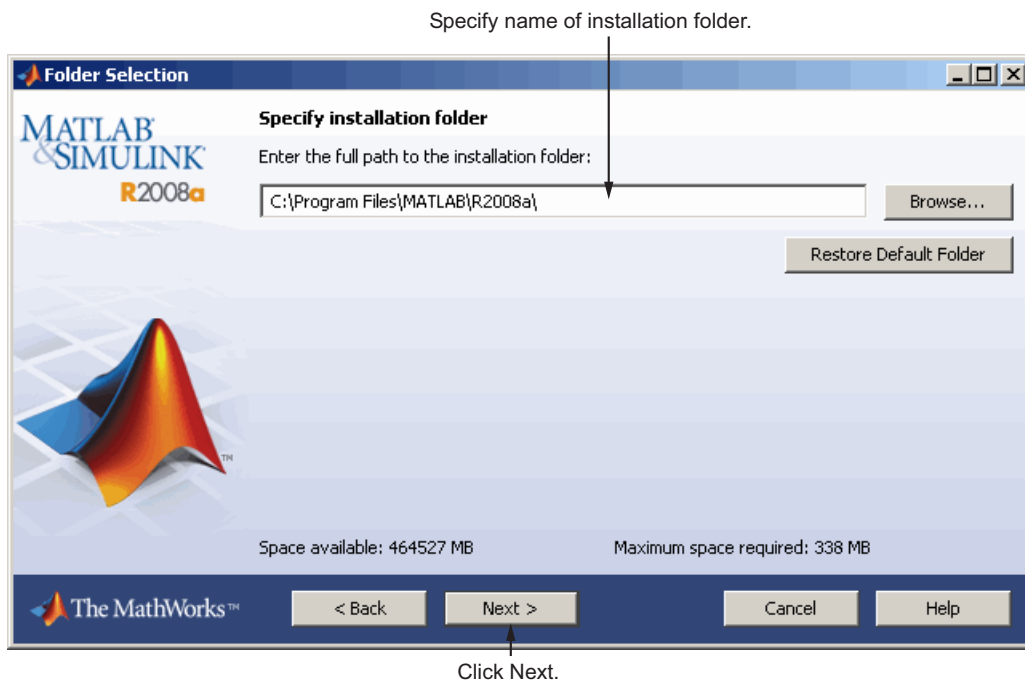
- **Typical** — Designed to simplify the installation, choose a Typical installation if you:
 - Have an Individual or Group license
 - Do not need to specify which products you want to install
 - Do not need to access any installation options, such as setting the access permissions of installed files
- **Custom** — Choose a Custom installation if you:
 - Need to install the license manager (network license options only)
 - Need to specify which products to install
 - Need access to installation options



Step 7: Specify Installation Folder

Specify the name of the folder where you want to install MathWorks products. You can accept the default installation folder or specify the name of a different installation folder. If the folder doesn't exist, the installer creates it.

When specifying a folder name, do not specify a name that contains the @ sign, an exclamation point (!), the per cent character (%), the plus sign (+), or the dollar sign (\$) character. The full path of the installation folder must not include a folder named `private`. If you make a mistake while entering a folder name and want to start over using the default folder name, click **Restore Default Folder**. To continue with the installation, click **Next**.



Step 8: Specify Products to Install

Note For a client installation, do not select the license manager in the product list.

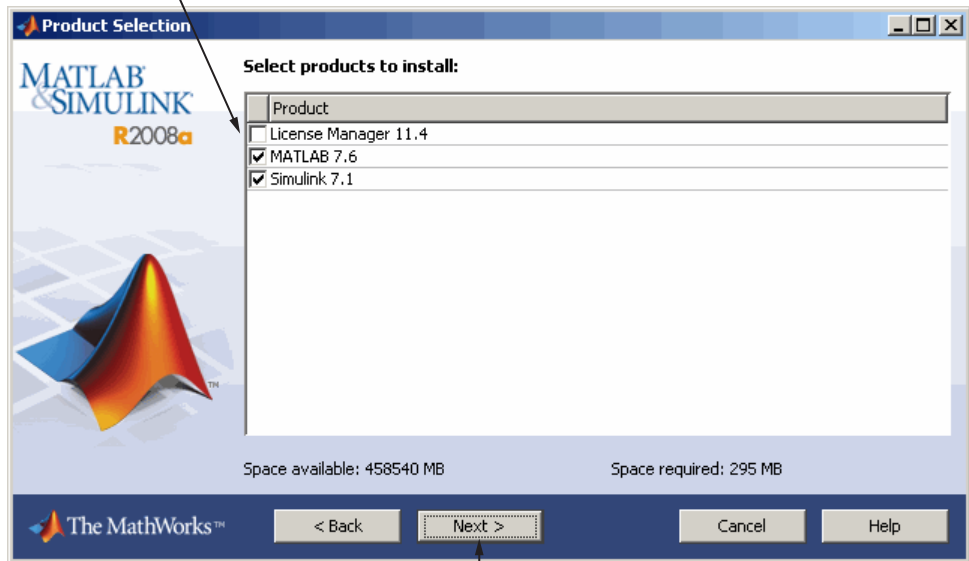
You can specify which products you want to install in the Product Selection dialog box. This dialog box lists all the products you are licensed to install. The products in the list are preselected for installation, with the exception of the license manager. You must select the license manager. Each product includes the online documentation, in compressed form. PDF documentation is only available at the MathWorks Web site.

If you are installing the license manager on a license server, select the license manager. If you are setting up a remote access configuration where users will

run MathWorks products on a central server, and this central server is your license server, leave all the other products in the list selected for installation.

After making your selections, click **Next** to proceed with the installation. After clicking **Next**, you might receive a message telling you that one or more of the products you selected depend on other products. See “Product Dependencies” on page 3-4 for more information.

Select the license manager.

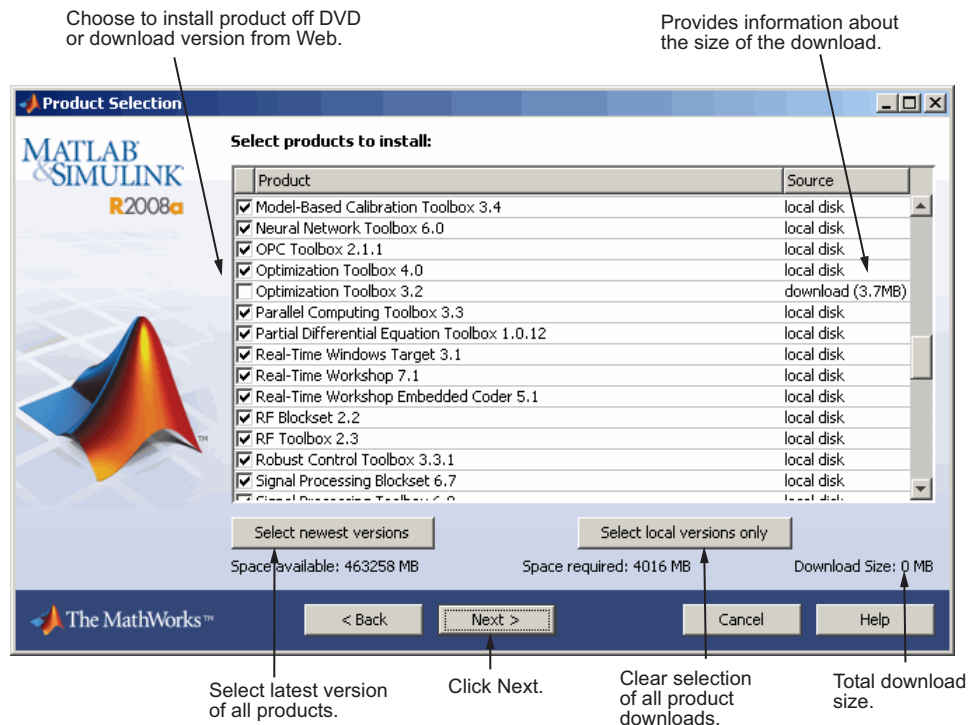


Click Next.

Product Selection When Updates Are Available

If you chose to download product updates, the installer displays both the version that exists on the DVD and the new version of the product in the product list. The Product Selection dialog box also includes a column, called Source, that identifies whether the product is going to be downloaded during installation and provides information about the size of the product download file. The dialog box also provides information about the total size of all the products to be downloaded.

By default, the latest version of a product is preselected for installation, but you can choose which products you want to install. If you do not want to download any product updates, click the **Select local versions only** button; this deselects all the product downloads in the product list. If you want to install only the latest versions of all products, click **Select newest versions**. After selecting the products you want to install, click **Next** to continue with the installation.

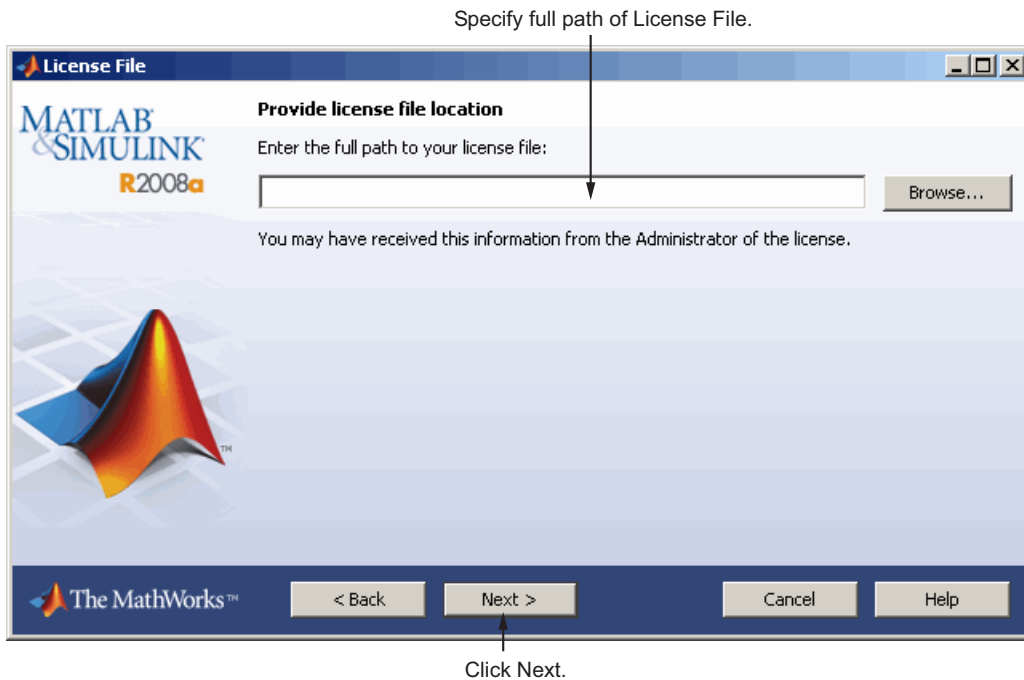


Step 9: Specify Location of License File

Note For a client installation, specify the location of the License File on the license server.

Specify the path for the License File and click **OK**.

The License File you specify depends on whether you are installing the license manager on a server or installing MathWorks software on a client computer in your network configuration. When installing on a license server, specify the License File you received from the MathWorks. If you are installing MathWorks software on a client computer, specify the License File in the MATLAB installation folder on your server. See the License Administration Guide for information about network configurations.



License File Processing on Server and Client

During a server installation, where you install the license manager, you must specify the location of the License File you received from The MathWorks™. The installer performs the following processing of this License File:

- Makes a copy of your License File, naming it `license.dat`, and puts this copy in the `\flexlm` directory of your MATLAB installation directory.
- Adds a `SERVER` line and a `DAEMON` line to the file. The `SERVER` line identifies the server (host and port number). The `DAEMON` line identifies the name of the license manager daemon (`matlabroot/flexlm/mlm.exe`)

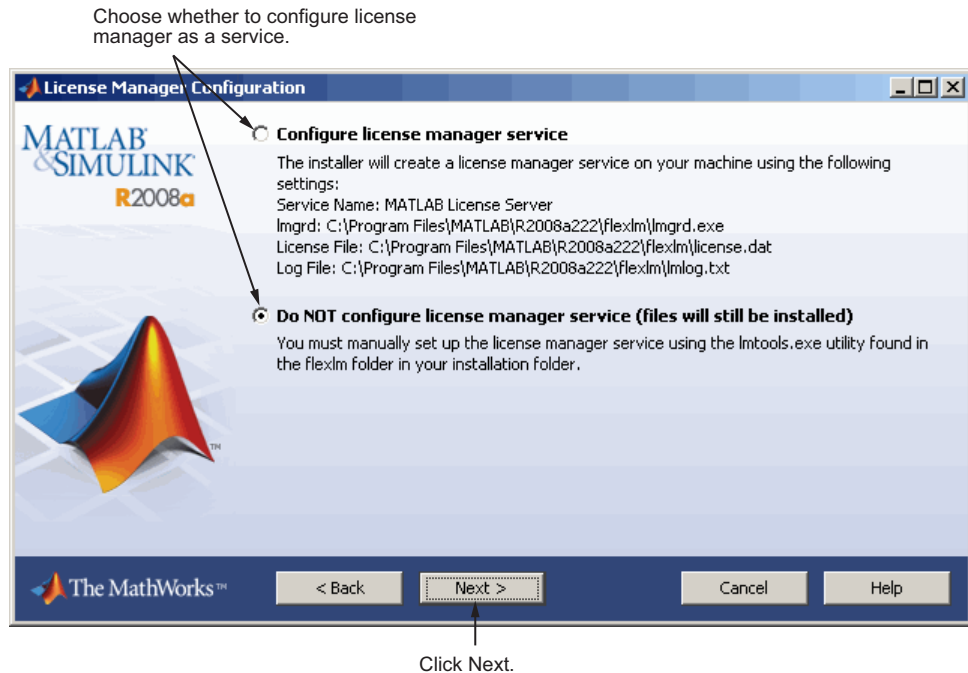
During a client installation, where you do not install the license manager, you must specify the location of the License File that the installer processed during installation of the license manager on the server. The installer performs this processing of the License File on client systems:

- Makes a copy of the License File on the server, naming it `network.lic`, and puts the file in the `\licenses` directory in your MATLAB client installation directory.
- Deletes all the product information and the `DAEMON` line in the License File, leaving the `SERVER` line. Adds the statement `USE_SERVER` to the file.

Step 10: Configure the License Manager Service

Note Only for license server installations.

Configuring the license manager service provides automatic startup at system boot time and centralizes administration of the license manager through the Windows **Services** control panel. If you choose not to configure the license manager service, you can do it later.

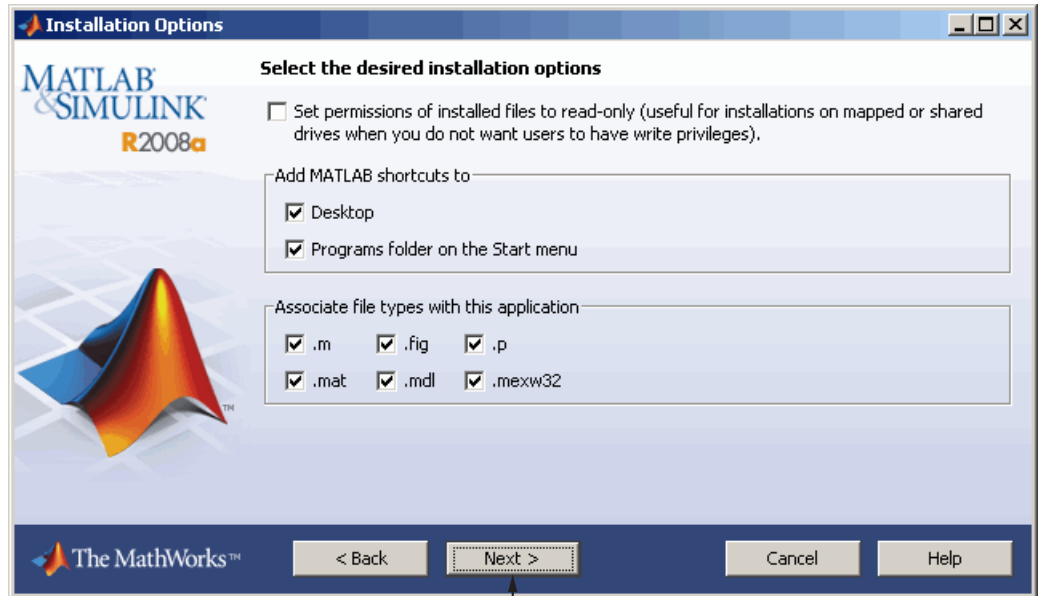


Step 11: Specify Installation Options

For Custom installations, you can specify several installation options, including:

- Setting the permissions of all installed files to read only. (This option is more commonly used with network licenses.)
- Determining whether the installer puts shortcuts for MATLAB software in the **Start** menu and on the desktop.
- Specifying which files the operating system associates with MATLAB, based on their file extension. For example, if you associate files with the .m file extension with MATLAB, the operating system identifies the type of these files as MATLAB M-file.

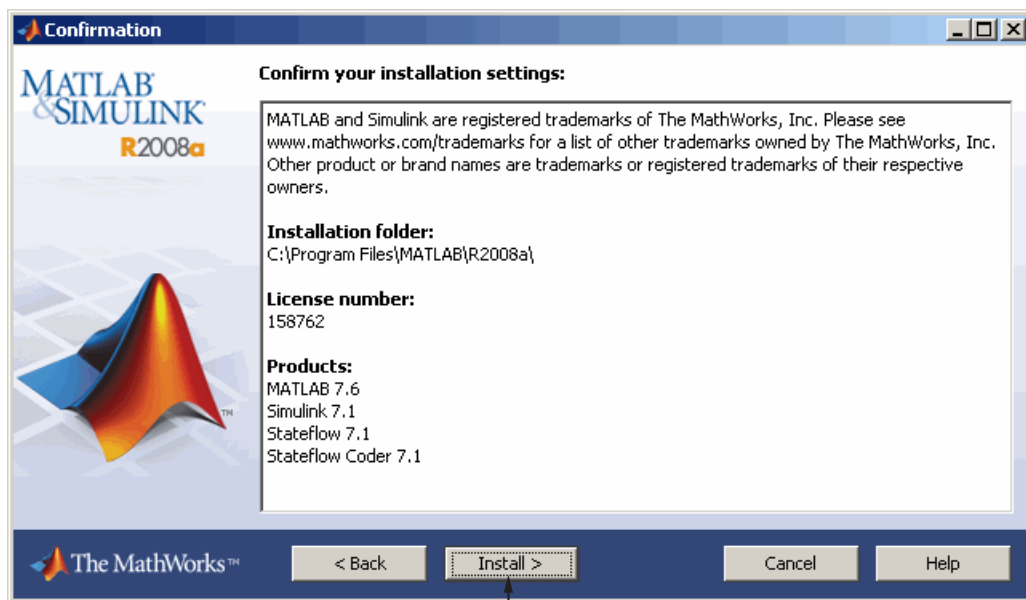
After selecting installation options, click **Next** to proceed with the installation.



Click Next.

Step 12: Confirm Your Choices

Before it begins copying files to your hard disk, the installer displays a summary of your installation choices. To change a setting, click **Back**. To proceed with the installation, click **Install**.



Click Install.

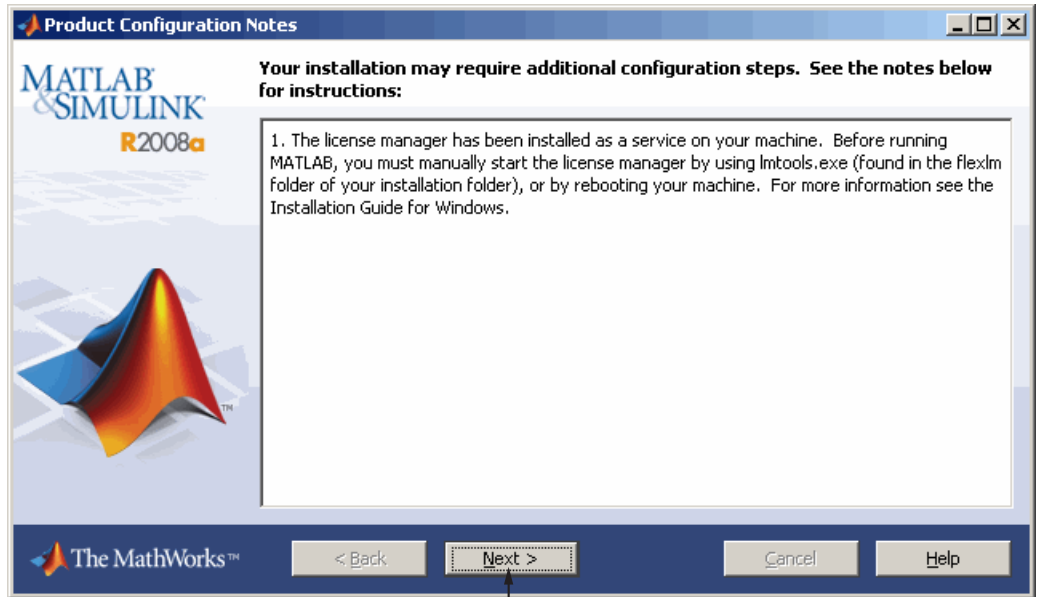
As it copies files to your hard drive, the installer displays a status dialog box to show the progress of the installation.

Read Product Configuration Notes

Depending upon which products you install, the installer might display a dialog box containing several types of information:

- **Product configuration information** — Certain products require additional configuration. If you installed one of these products, the installer lists the configuration commands in this dialog box. You can copy this command to your system clipboard for use after the installation is completed.
- **Available product updates** — If your license identifies products that are not on the DVD, and you are not currently connected to the Internet or you chose not to download product updates, the installer lists these products in this dialog box. After installation is complete, you can go to the MathWorks Web site to download these products.

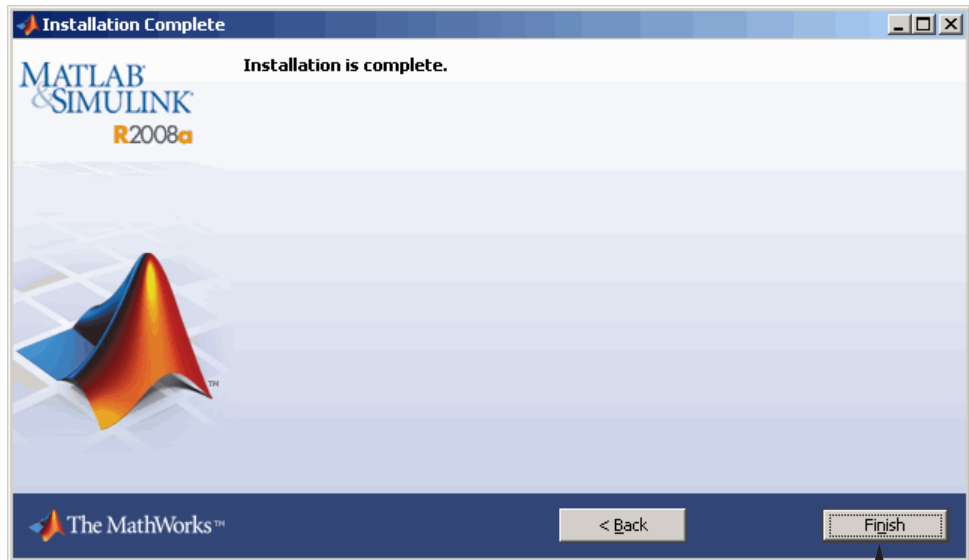
Click **Next** to proceed with the installation.



Click Next.

Step 13: Complete the Installation

When the MathWorks Installer finishes, it displays the Installation Complete dialog box. Click **Finish** to exit the installer. If you installed the license manager as a service, The MathWorks recommends that you restart your computer now. The license manager must be running to start MATLAB. As a service, the license manager gets started automatically at system boot time.



Click Finish.

If you performed a client installation, the Installation Complete dialog box gives you the option of starting MATLAB. If you do not want to run MATLAB now, clear the **Start MATLAB** option and click **Finish** to exit the activation process.

After You Install

In this section...

“Starting and Stopping the License Manager” on page 2-23

“Monitoring and Managing the License Manager” on page 2-23

“Allowing Access to License Manager Daemons” on page 2-26

For general information about post-installation tasks, see the “After You Install” on page 1-44 in Chapter 1, “Standard Installation and Activation Procedures”.

Starting and Stopping the License Manager

If you configure the license manager as a service, you can use the Windows **Services** control panel to start or stop the license manager service.

On the Windows Start menu, select **Control Panel>Administrative Tools>Services**

You can also use the license management tools available in the `matlabroot\flexlm` folder. These tools provide better diagnostic messages.

Monitoring and Managing the License Manager

This section describes several utilities provided by **FLEXNET** licensing that you can use to monitor and manage the license manager. For detailed information about these utilities, see the *FLEXNET Licensing End User Manual*, included in PDF format in your MATLAB installation (`matlabroot\flexlm\enduser.pdf`)

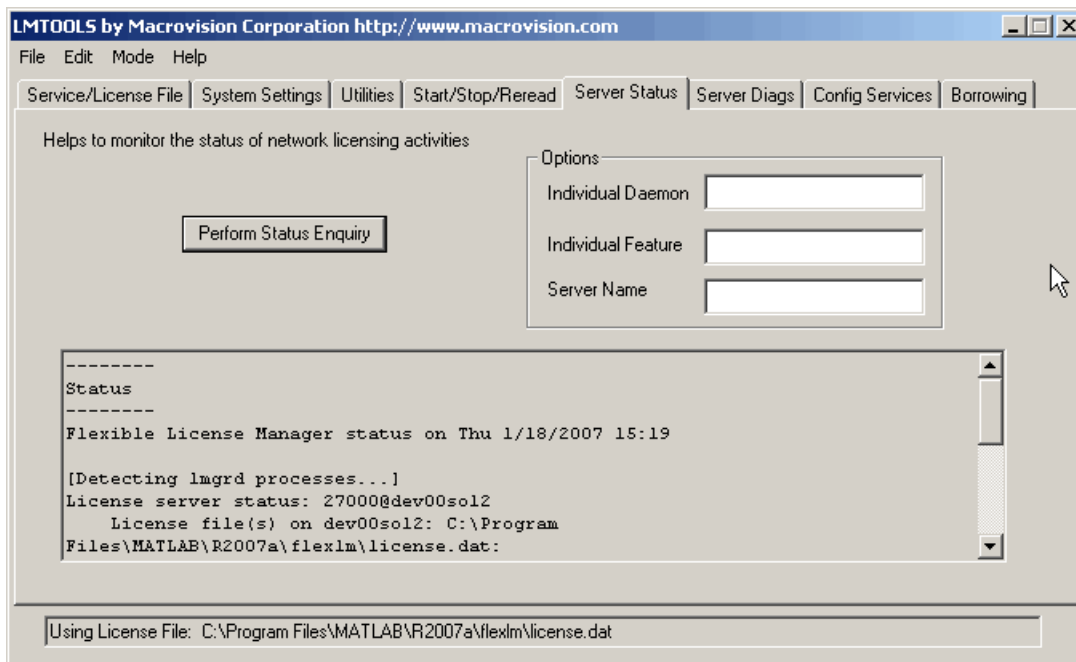
- “Using the LMTOOLS GUI” on page 2-23
- “Using the lmutil Command Line Utility” on page 2-24

Using the LMTOOLS GUI

FLEXNET licensing includes a graphical user interface (GUI), called LMTOOLS. Using LMTOOLS you can get the status of the license manager, configure the license manager as a service, start and stop the license manager, and perform many other license management tasks. To illustrate, the

following example shows how to use the LMTOOLS GUI to see the current status of the license manager.

- 1 Start LMTOOLS by double-clicking the `lmtools.exe` file in the `matlabroot\flexlm` folder.
- 2 Click the **Server Status** tab.
- 3 Click the **Perform Status Enquiry** button. LMTOOLS displays the same information as if you had entered the command `lmutil lmstat -a`.



Using the `lmutil` Command Line Utility

On Windows systems, **FLEXNET** licensing packages all their license management utilities in a single, command line executable called `lmutil.exe`. The MathWorks Installer includes this utility in every server installation in the `matlabroot\flexlm` folder. To view a list of all the capabilities of the `lmutil` utility, open a Command Prompt window, go to the `matlabroot\flexlm` folder and type

lmutil

The following table lists the names of the most useful tools available through lmutil.

Utility	Description
lmdiag	Diagnose license checkout problems.
lmdown	Shut down all license daemons (both lmgrd and all vendor daemons) on the license server node.
lmhostid	Report the host ID of a system.
lmreread	Make the license manager daemon reread the License File and start any new vendor daemons. Note: When you use lmreread to reprocess a License File for a user-based license, changes to INCLUDE statements in the associated FLEXNET options file take affect after a 15 minute delay.
lmstat	Display the status of all network licensing activities.
lmswitchr	Switch the report log file.
lmver	Determine the FLEXNET version of a library or binary file.

To illustrate, the following example shows how to get the current status of the license manager.

Open a DOS command prompt window and enter the lmutil command, specifying the name of the lmstat utility.

```
lmutil lmstat -a -c "C:\Program Files\MATLAB\R2007b\flexlm\license.dat"
```

The example uses the -a option to get a verbose listing of available licenses and the -c option to specify the location of the License File to use. You must specify the -c option with every tool invoked through lmutil.exe. If your installation pathname contains spaces, enclose the pathname in quotes.

View the status information returned.

```
lmutil - Copyright (c) 1989-2006 by Macrovision Europe Ltd. and/or Macrovision Corporation.
All rights reserved.Flexible License Manager status on Thu 1/18/2007 16:57
```

```
License server status: 27000@smithj
  License File(s) on smithj: C:\Program Files\MATLAB\R2007b\flexlm\license.dat:

  smithj: license server UP (MASTER) v.10.8

Vendor daemon status (on smithj):

  MLM: UP v10.8

Feature usage info:

Users of MATLAB: (Total of 5 licenses available)

Users of SIMULINK: (Total of 5 licenses available)

Users of Control_Toolbox: (Total of 5 licenses available)

Users of Identification_Toolbox: (Total of 5 licenses available).
```

Allowing Access to License Manager Daemons

If you run the license manager on a server that is protected by a security firewall, you must open the firewall to allow client installations to communicate with the license manager daemons: `mlm.exe` and `lmgrd.exe`. (For information about these daemons, see the License Administration Guide.)

Opening Access to the License Manager Daemon

Using the interface provided by your firewall program, allow access on port 27000 for the license manager daemon. This is the default port used to communicate with the license manager. If you changed this port number, specify the port number used at your site. For more information about specifying the license manager daemon port number, see the License Administration Guide.

Opening Access to the Vendor Daemon

The port used by the vendor daemon is assigned dynamically. If you need to open access to the vendor daemon in your firewall, you must assign a port

for vendor daemon communication, rather than using this dynamic port assignment. You can then open the assigned port number in your firewall.

To specify the vendor daemon port number, edit the License File on your license server and add the `port=` syntax to the DAEMON line. For more information about specifying the vendor daemon port number, see the License Administration Guide.

Using an Installer Initialization File (Silent Installer)

If you have many MATLAB installations to perform, and the information you need to enter for each installation is the same, you can put this information in an installer initialization file and run the MathWorks Installer noninteractively. The initialization file provides the installer with the information that you would otherwise provide using installer dialog boxes. Noninteractive installs (also called *silent* installs) can save time and prevent errors.

To run the installer noninteractively, perform these steps:

Note You need a File Installation Key to use an initialization file.

1 Create an installer initialization file.

The MathWorks provides an initialization file template, named `installer.ini`, located in the top-level folder on the MathWorks DVD. Using Windows Explorer, create a copy of this template file in any convenient folder, giving it any name you want. For example, you might create the initialization file

```
C:\temp\my_install.ini
```

2 Open your copy of the initialization file, using any text editor, and enter all the required installation information. The initialization file template includes parameters for all the information you need to enter. For example, to specify where you want to install products, set the value of the destination parameter to the full path of the installation folder.

```
destination=C:\Program Files\MATLAB\R2008a
```

There are several required parameters, such as name, company name, and File Installation Key. If your initialization file is missing a required field, the installer stops the installation and writes an error to the output log. Two optional parameters you might want to set are `visible` and `outlog`.

- **Controlling visibility** — By default, when you run the installer in silent mode, it still displays the dialog boxes as it progresses through the installation, even though no interactive response is required. If you want to suppress the display of these dialog boxes during a silent installation, set the value of the `visible` parameter to `false`.
- **Requesting an output log** — To request that the installer create an output file that reports on the status of the installation, specify the full path as the value of the `outlog` parameter.

3 Save your changes to the file.

4 Run the installer (`setup.exe`), using the `-if` flag to specify the initialization file as a command-line argument. You must specify the full path of the initialization file. For example, click the **Start** menu and select the **Run** option. In the Run dialog box, enter

```
setup.exe -if C:\temp\my_install.ini
```


Troubleshooting

This chapter provides information that can help you solve common problems that you might encounter installing MathWorks™ software on a PC running the Microsoft® Windows® operating system

Problems During Installation (p. 3-2) Answers to some common problems encountered during a MATLAB installation

Problems After Installation (p. 3-6) Describes how to get answers to some common problems encountered after a successful installation, in particular, license manager errors

If you cannot find a description here that matches your problem, check the MATLAB Release Notes documentation that you received with your MATLAB products. This document contains the most up-to-date information available about products and installation procedures. Installation troubleshooting information is also available at the MathWorks Web site on the Support page, www.mathworks.com/support/.

Problems During Installation

In this section...
“Installer Does Not Start Automatically” on page 3-2
“Activating Without a MathWorks Account” on page 3-3
“Product Dependencies” on page 3-4

Note If the MathWorks Installer appears to become unresponsive (hang), you may want to turn off any virus-checking software you are running on your system and restart the installer.

Installer Does Not Start Automatically

The installer should start automatically when you insert the MathWorks™ DVD into your DVD drive or when you double-click on the installer file you downloaded from the MathWorks Web site.

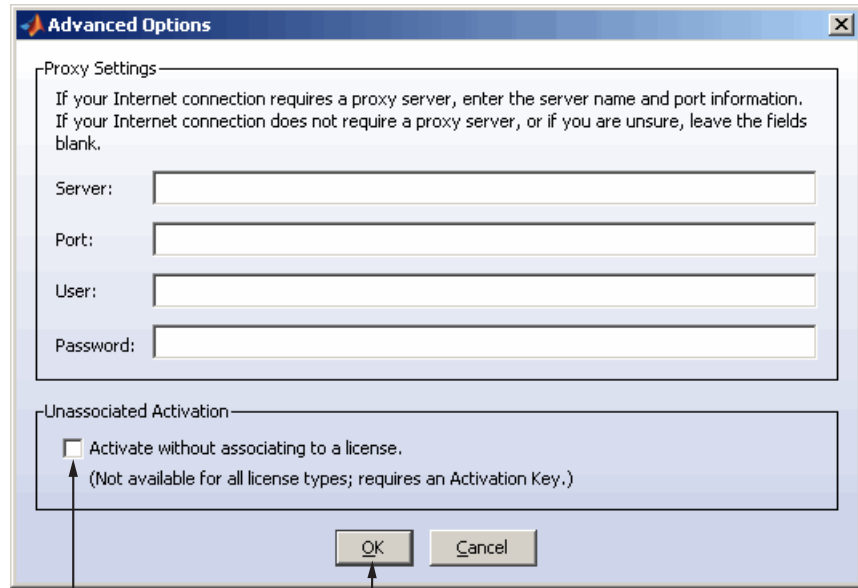
If the installer does not start, open a Microsoft® Windows® Explorer window, select your DVD drive, and double-click the setup.exe program in the top-level folder.

Activating Without a MathWorks Account

While every user can benefit from having a MathWorks Account, it is possible to install and run MathWorks software without one. For example, at some sites, some users may not be able to create an account for security reasons.

To activate without providing MathWorks Account information, follow this procedure.

- 1** Install the software using the installer. On the installer's welcome dialog box, you can choose either to install automatically using the Internet or manually without using an Internet connection. Select the install manually without using the Internet. You will need a File Installation Key. See "Installing and Activating Without an Internet Connection" on page 1-29.
- 2** When the installer displays the Installation Complete dialog box, leave the **Activate MATLAB** option selected and click **Next**.
- 3** In the Activation Welcome dialog box:
 - Choose **Activate automatically using the Internet**. To perform unassociated activation, you must use the Internet.
 - Click **Advanced Options**. In the Advanced Options dialog box, select the **Activate without associating to a license** option and click **OK**.



Select this option to activate without an account. Click OK.

- When you return to the Activation Welcome dialog box, click **Next**.
- 4** Enter an Activation Key in the Activation Key dialog box and click **Next**. Because you are not logged into an account, you must enter an Activation Key to identify a license.

Note The only activation type available for unassociated activation is Designated Computer.

- 5** Click **Activate**.

Product Dependencies

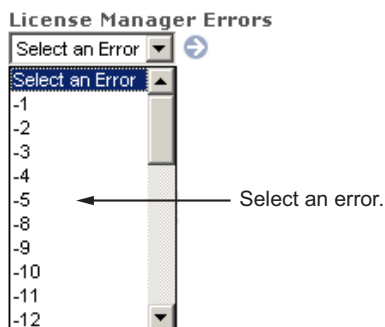
After clicking **Next** in the Product Selection dialog box, you might receive a message telling you that one or more of the products that you selected for installation have dependencies on other products that were not selected. To dismiss the message and continue with the installation, click **OK**. For

a Custom installation, if you want to adjust your product selections, click **Cancel**.

Problems After Installation

After a successful installation, you may encounter problems starting MATLAB software. Many of these problems originate in the FLEXnet® license manager used by the MathWorks products. When a problem occurs, the license manager displays an error message in a window on your display and also writes the message to the **FLEXNET** log file, `lmlog.txt`, in the `matlabroot\flexlm` folder. Read the error message carefully; it provides information that can help solve the problem. For information about viewing the license manager log file, see “Monitoring and Managing the License Manager” on page 2-23.

For more complete diagnostic information about an error message, go to the MathWorks Web site, www.mathworks.com, and click **Support**. The Support page includes a Search facility that lets you search the support database for help with an error message by error number. You can also select the error number from the **License Manager Errors** menu.



You can also get information about license manager error messages in the *FLEXnet Licensing End User Manual*, available in PDF format in `matlabroot\flexlm\enduser.pdf` or at the Macrovision Corporation Web site, www.macrovision.com.

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