

MATLAB® & Simulink® Release 2009a

Installation Guide for Mac OS® X



MATLAB®
& SIMULINK®

How to Contact The MathWorks



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Product enhancement suggestions
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Installation Guide for Mac OS® X

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Standard Macintosh Installation and Activation Procedures

This topic describes how to install and activate MathWorks™ Release 2009a (R2009a) products on an Apple® Macintosh® computer running the Mac OS® X operating system. Use this procedure if you have an Individual or Group license. For information about setting up a network license option, see “Installing MathWorks Products in a Network Configuration” on page 1-42.

Note Keep in mind that Mac OS X is based on the UNIX® operating system and, thus, the version of MATLAB® software that runs on this platform is for the UNIX operating system. For example, when you use the `mex` command, you are using the UNIX version of this command.

- “Installing MathWorks Software in a Standalone Environment” on page 1-2
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Installing MathWorks Software in a Standalone Environment

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Step 1: Prepare to 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, to do this, 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.
- Get the name and password of the administrator account on the system.

If you do not have an Internet connection during installation, see “Installing and Activating Without an Internet Connection” on page 1-27.

If you need to perform a network server or client installation, see “Installing MathWorks Products in a Network Configuration” on page 1-42.

Step 2: Start the Installer

Insert the MathWorks DVD into the DVD drive connected to your system or download product files from the MathWorks Web site. When the DVD icon appears on the desktop, double-click the icon to display the DVD contents. Double-click the `InstallForMacOSX` icon to begin the installation.



`InstallForMacOSX`

Step 3: Enter System Authentication Information

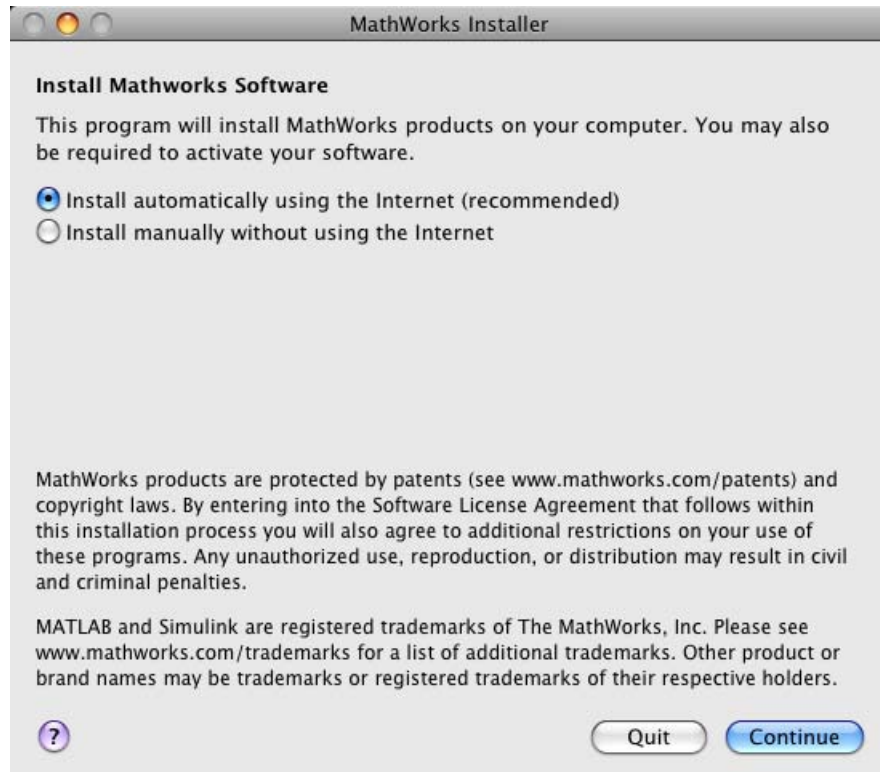
To install software on a Macintosh system, you must be the administrator of the system. Enter the name and password of the administrator account in the Authenticate dialog box. (The administrator account is the user account you set up when you configured your Macintosh system; this is not your MathWorks Account.) If you don't know the user name and password for the administrator account on the system, ask your system administrator. Click **OK** to proceed with the installation.



Step 4: Choose Whether to Install Automatically or Manually

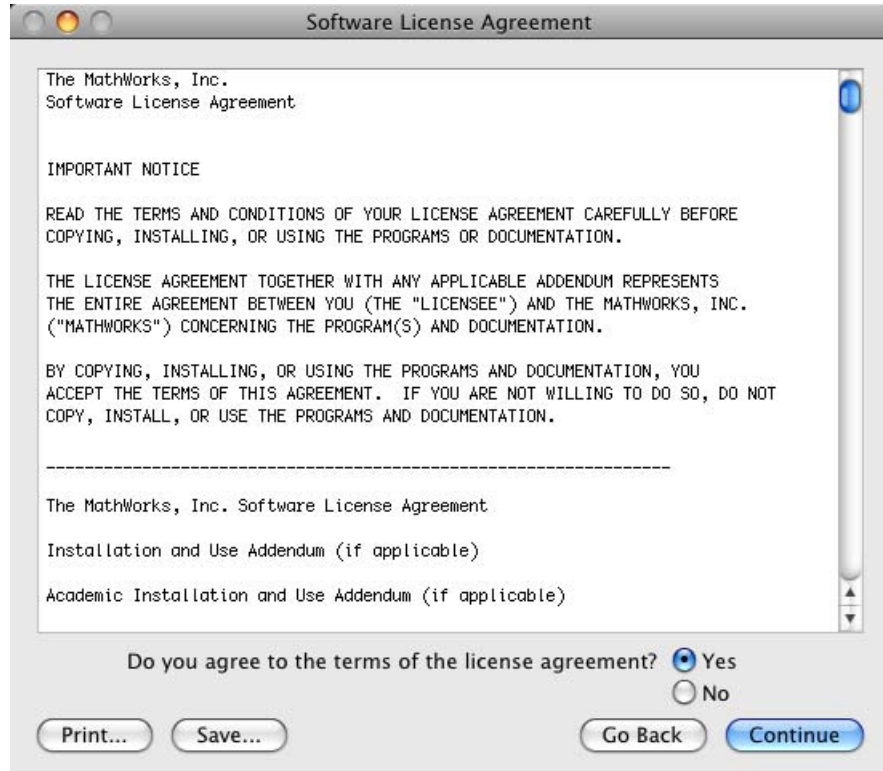
Choose whether to install automatically, using an Internet connection, or whether to install manually, without using the Internet. If you install automatically, the installer contacts The MathWorks during installation. The MathWorks recommends installing automatically. If you choose to install manually, see “Installing and Activating Without an Internet Connection” on page 1-27 for step-by-step instructions.

Make your selection and click **Continue** to proceed with the installation.



Step 5: Review the Software License Agreement

Review the Software License Agreement and, if you agree to its terms, select **Yes** and click **Continue** to proceed with the installation.



Step 6: Specify the Installation Folder

Specify the folder in which you want to install the MATLAB application package, MATLAB_R2009a. By default, the installer puts the package in the Applications folder on your system disk. To change the location, click **Choose Folder**, and navigate to the desired location. After specifying the folder name, click **Continue** to proceed with installation.



Notes on Selecting an Installation Folder

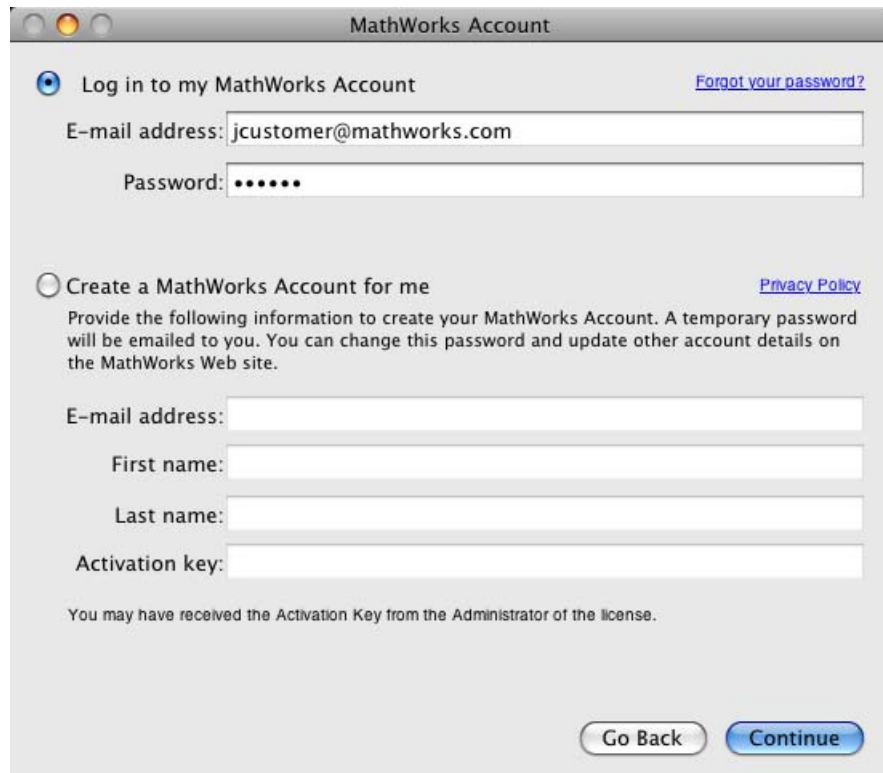
When specifying an installation folder, keep these guidelines in mind:

- Do not install MathWorks products over any previously released version, including prerelease versions of the software. When upgrading an existing installation, always install your MathWorks products in a new installation folder. Each release of MathWorks products stands alone and does not require any previous release.
- Do not specify a folder name that contains spaces, the at (@) sign, an exclamation point (!), the percent character (%), the plus sign (+), or the dollar sign character (\$). In addition, do not install into a folder named `private`, but you can have a folder named `private` on the path.

Step 7: Log In to Your MathWorks Account

Enter your e-mail address and your MathWorks Account password, and click **Continue** to log in to your MathWorks Account.

If you do not have a MathWorks Account, select the **Create a MathWorks Account for me** option and enter the information requested. To create a MathWorks Account during installation, you must provide an Activation Key. A new account will not have any licenses associated with it. The Activation Key identifies the license you want to install. After entering your account information, click **Continue** to proceed with installation.



The screenshot shows a window titled "MathWorks Account" with two main sections. The first section, "Log in to my MathWorks Account", is selected with a radio button. It contains a "Forgot your password?" link, an "E-mail address" field with the text "jcustomer@mathworks.com", and a "Password" field with six dots. The second section, "Create a MathWorks Account for me", is unselected. It includes a "Privacy Policy" link, a paragraph of text explaining the account creation process, and four input fields for "E-mail address", "First name", "Last name", and "Activation key". At the bottom, there are "Go Back" and "Continue" buttons.

MathWorks Account

Log in to my MathWorks Account [Forgot your password?](#)

E-mail address:

Password:

Create a MathWorks Account for me [Privacy Policy](#)

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:

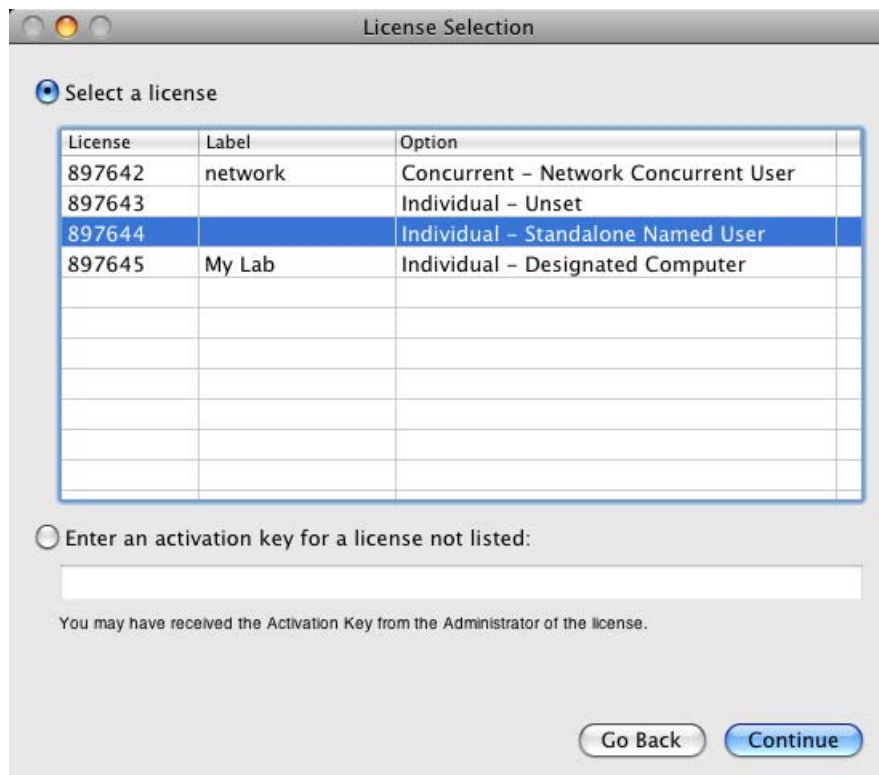
Activation key:

You may have received the Activation Key from the Administrator of the license.

Step 8: Select the License You Want to Install

Select the license you want to install from the list of licenses associated with your MathWorks Account, displayed in the License Selection dialog box. Each license is identified by license number, an optional descriptive text label, and information identifying the license option and activation type. If you have not yet set the activation type on the license, the word “Unset” appears. To give a license an identifying label, go to the License Center at the MathWorks Web site. See the License Center Help for instructions.

After making your selection, click **Continue** to proceed with the installation.



Specifying an Activation Key

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. Specifying an Activation Key enables you to install the products associated with the license, but does not associate the license with your account—that occurs when you activate the license.

Step 9: Select the Products to Install

Select the products you want to install from the list of products available for installation. For a complete list of products supported on the Macintosh system, see Platform/Version Availability in the Products section of www.mathworks.com. When you click **Continue** the installer starts copying product files to your destination folder.



Selecting Products When Upgrading an Existing Installation

If you chose an existing installation folder, and are performing an overwrite installation, the installer clears the check box next to the names of products that you already have in your installation folder. You must explicitly select these products to overwrite them.

Step 10: Complete the Installation

When the installation successfully completes, the installer displays the Installation Complete dialog box. In this dialog box, you can choose to activate the software you just installed. The MathWorks™ recommends activating immediately after installation. You cannot use the software you installed until you activate it. If you logged in to your MathWorks Account during installation, your log-in session continues into the activation process. Click **Continue** 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. For information about activation, see “Activating Your Installation” on page 1-15. For information about common post-installation tasks, see “After You Install” on page 1-60.

After the installation is complete, you can drag the DVD icon to the trash and remove the DVD from the DVD drive.

Activating Your Installation

In this section...

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“Step 2: Choose Whether to Activate Automatically or Manually” on page 1-15

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Step 1: Start the Activation Application

The activation application starts automatically if you:

- Leave the **Activate MATLAB** option selected on the Installation Complete dialog box at the end of installation.
- Attempt to start a MATLAB installation that has not been activated.

To start the activation application manually, you can:

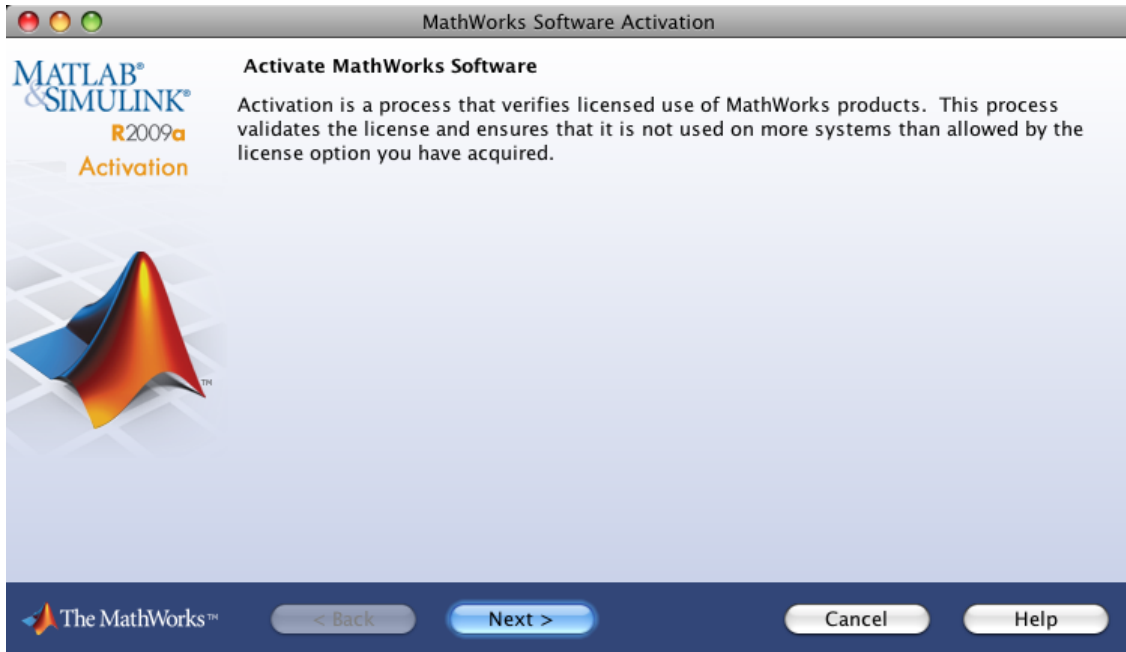
- View the MATLAB Help menu and select **Licensing > Activate Software**. MATLAB must be running.
- Double-click the activation application icon in the MATLAB application package. To view the contents of the MATLAB application package, right-click (or control-click) the package and select **Show Package Contents**.

Step 2: Choose Whether to Activate Automatically or Manually

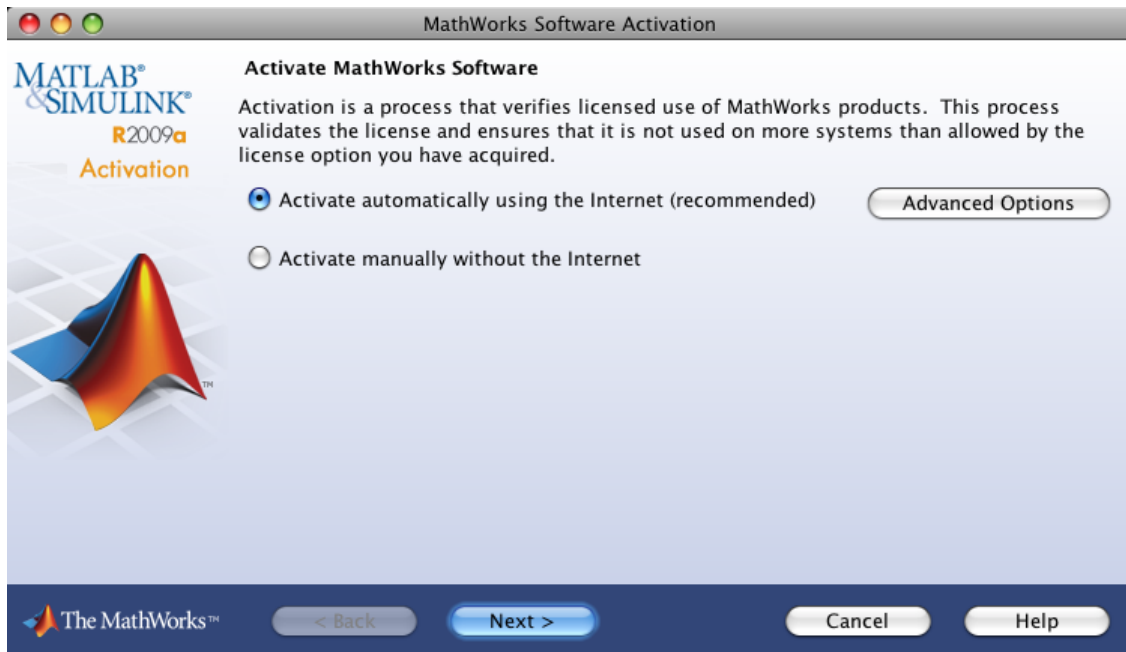
Activation is a process that verifies licensed use of MathWorks™ products. This process validates the license and ensures that it is not used on more

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. Click **Next** to proceed with activation.



If you perform activation as a separate process, in the first dialog box 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 and click **Next**. The MathWorks recommends activating automatically. The option to activate manually is useful if you do not have an Internet connection—see “Installing and Activating Without an Internet Connection” on page 1-27.



To access other activation options, click the **Advanced Options** button. For more information, see “Accessing Activation Options” on page 1-72.

Step 3: Log In to Your MathWorks Account

Note If you let the installer start the activation application, and you were logged in to your account during installation, the activation application skips this step.

Enter your e-mail address and MathWorks Account password and click **Next** to log in to your MathWorks Account and proceed with activation.



Creating a MathWorks Account

If you do not have a MathWorks Account, select the **I need to create a MathWorks Account** option and click **Next**. The activation application displays the Account Creation dialog box. Enter your first name, last name, e-mail address, and Activation Key. You must provide an Activation Key to identify a license to associate with the account. Ask the Administrator on your license for the Activation Key. Click **Next** to proceed with activation.

Note Because the Activation Key identifies a license, the activation application can skip the next step, license selection. If the license specified already has the activation type set, the activation application can also skip the activation type selection step.

Account Creation

MATLAB® & SIMULINK®
R2009a
Activation

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 your Activation Key from the Administrator of the license.

[Privacy Policy](#)

The MathWorks™

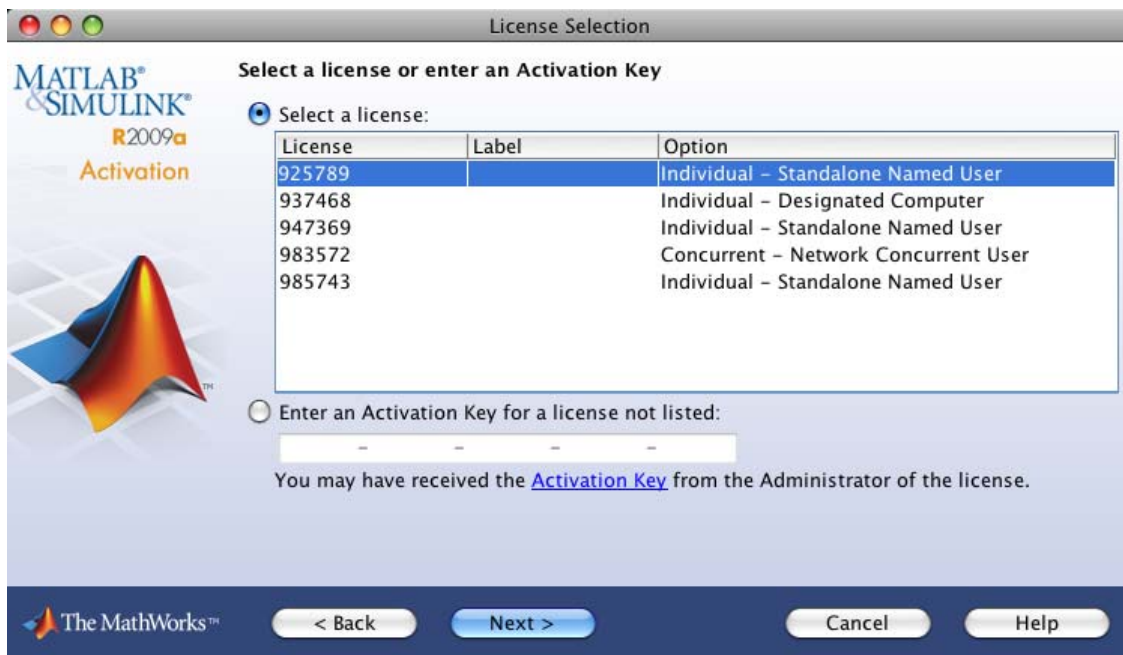
< Back Next > Cancel Help

Step 4: Select the License You Want to Activate

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

Select the license you want to activate from the list of licenses associated with your MathWorks Account, displayed in the License Selection dialog box. Each license is identified by license number, an optional descriptive text label, and information identifying the license option and activation type. If you have not yet set the activation type on the license, the word “Unset” appears. To give a license an identifying label, go to the License Center at the MathWorks Web site. See the License Center Help for instructions.

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



Specifying an Activation Key

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 5: Choose an 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 first option—the **Standalone Named User** activation type. If you want to share the installation for nonsimultaneous use by several people, choose the second option—the **Designated Computer** activation type.

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



Step 6: Specify the Login Name

Note If you picked the Designated Computer activation type for the license, the activation application skips this step.

If you selected the Standalone 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, also known as the computer login name. Standalone Named User activation locks 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. Click **Next** to continue with activation. For information about activating for someone else, see “Activating for Someone Else” on page 1-24.

The screenshot shows a window titled "Named User" for MATLAB & SIMULINK R2009a. The window contains the following elements:

- Logo:** MATLAB & SIMULINK R2009a Activation logo with a 3D surface plot.
- Title:** "Provide the Named User"
- Instruction:** "Only one user is allowed to use this software. Specify the login name on this computer for the user of this license."
- Radio Buttons:**
 - Me
 - Someone else
- Form Fields:**
 - Me:** Login Name: [Why is login name required?](#)
(Not your MathWorks Account login)
 - Someone else:**
 - E-mail address:
 - First name:
 - Last name:
 - Login Name:
- Footer:**
 - [Privacy Policy](#)
 - The MathWorks™ logo
 - < Back
 - Next >
 - Cancel
 - Help

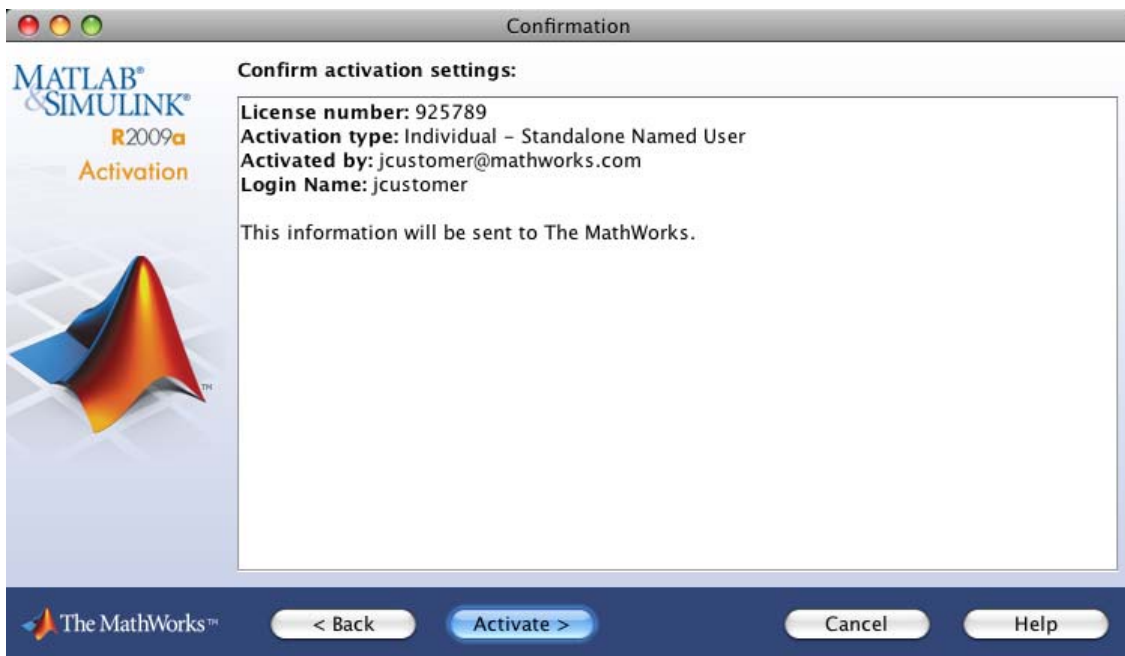
Activating for Someone Else

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

Step 7: 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. If you chose Standalone Named User activation type, The MathWorks also locks the License File to a particular user. The activation application 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 8: Complete the Activation

After activation is complete, you can run the MathWorks software on your computer. If you want to start MATLAB software immediately, leave the **Start MATLAB** check box selected and click **Finish** to exit the activation application.



Installing and Activating Without an Internet Connection

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- “Step 10: Choose to Activate Manually” on page 1-38
- “Step 11: Specify the Location of the License File” on page 1-39
- “Step 12: Complete the Activation” on page 1-41

Step 1: Prepare to Install

Before you run the installer:

- Make sure you have a *File Installation Key* and a License File. The File Installation Key is a code that determines which products you can install. The File Installation Key is not unique to a license. The License File identifies the products you can run. The administrator on the license can retrieve the File Installation Key and License File at the License Center at the MathWorks Web site. See the License Center Help for instructions.
- Get the name and password of the administrator account on the system.

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 the software in a standalone environment and in network configurations. For detailed instructions about installing in a network configuration, see “Installing MathWorks Products in a Network Configuration” on page 1-42.

Step 2: Start the Installer

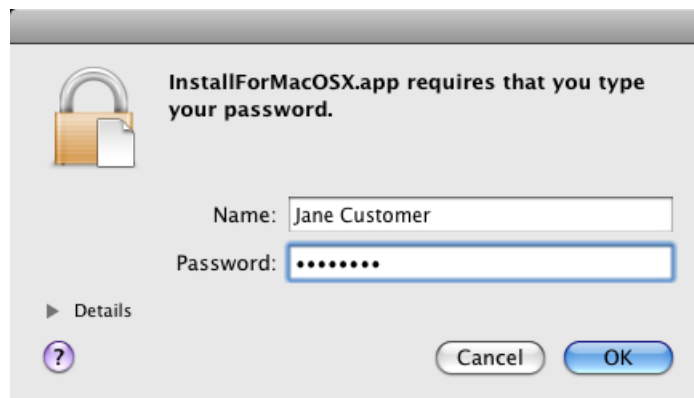
The MathWorks products are distributed on a DVD or over the Internet. Place the DVD in the DVD drive. When the DVD icon appears on the desktop, double-click the icon to display the DVD contents. Double-click the InstallForMacOSX icon to begin the installation.



InstallForMacOSX

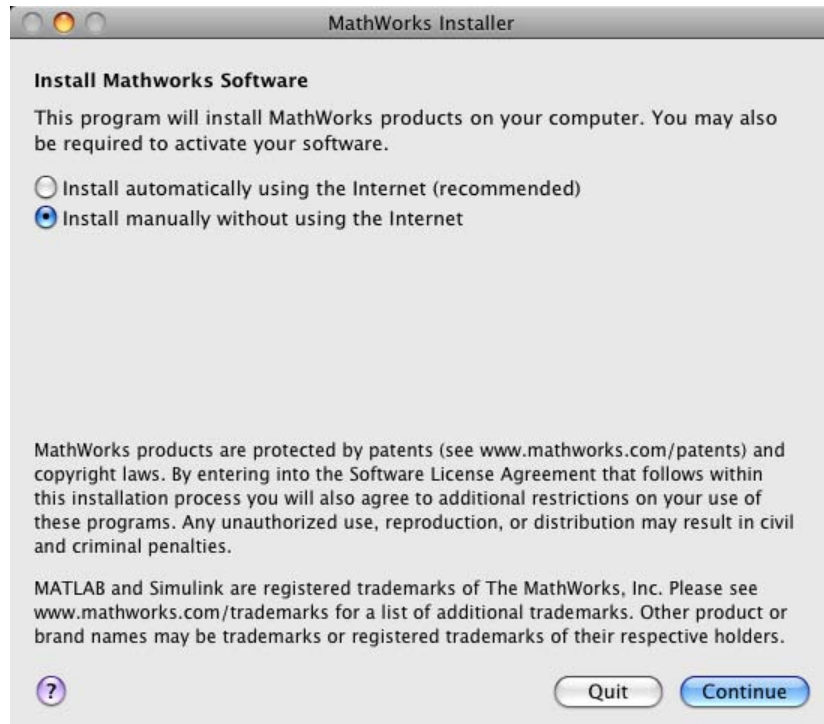
Step 3: Enter System Authentication Information

To install software on a Macintosh system, you must be the administrator of the system. Enter the name and password of the administrator account in the Authenticate dialog box. (The administrator account is the user account you set up when you configured your Macintosh system; this is not your MathWorks Account.) If you don't know the user name and password for the administrator account on the system, ask your system administrator. Click **OK** to proceed with the installation.



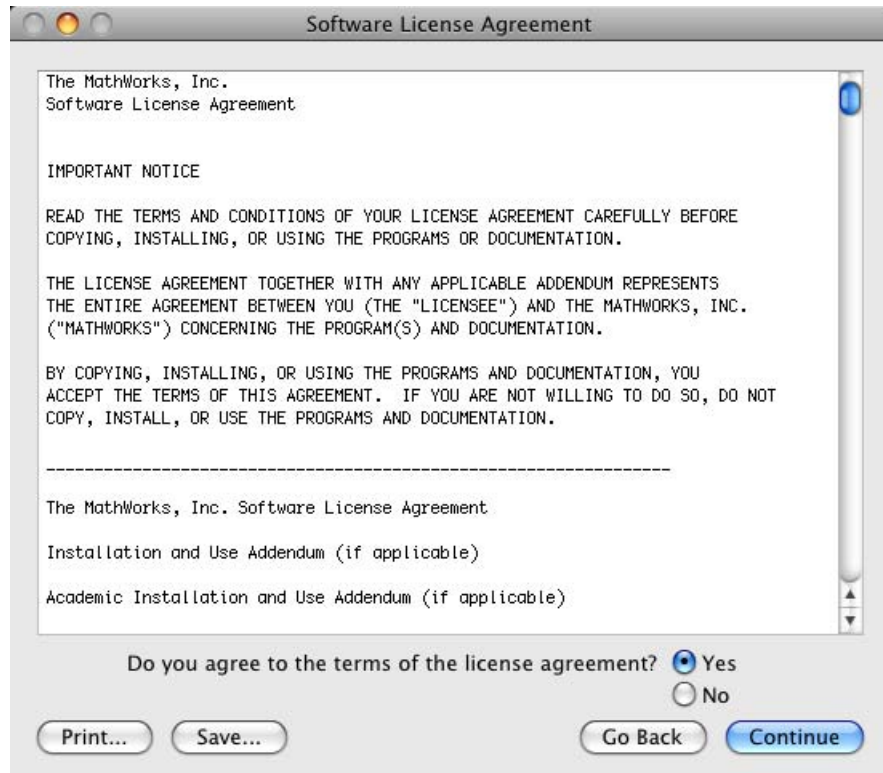
Step 4: Choose to Install Manually

In the first installer dialog box, you must choose whether to install automatically, using an Internet connection, or manually, without an Internet connection. If you do not have an Internet connection, select the **Install manually without using the Internet** option and click **Continue** to proceed with the installation.



Step 5: Review the Software License Agreement

Review the Software License Agreement and, if you agree to its terms, select **Yes** and click **Continue** to proceed with the installation.



Step 6: Specify the Installation Folder

Specify the folder in which you want to install the MATLAB application package, MATLAB_R2009a. By default, the installer puts the package in the Applications folder on your system disk. To change the location, click **Choose Folder**, and navigate to the desired location. After specifying the folder name, click **Continue** to proceed with installation.



Notes on Selecting an Installation Folder

When specifying an installation folder, keep these guidelines in mind:

- Do not install MathWorks products over any previously released version, including prerelease versions. When upgrading an existing installation, always install your MathWorks products in a new installation folder. Each release of MathWorks products stands alone and does not require any previous release.
- Do not specify a folder name that contains spaces, the at (@) sign, an exclamation point (!), the percent character (%), the plus sign (+), or the dollar sign character (\$). In addition, do not install into a folder named `private`, but you can have a folder named `private` on the path.

Step 7: Enter the File Installation Key

Enter your File Installation Key and click **Continue**.

If you do not have your File Installation Key, note the host ID and release number information provided in the File Installation Key dialog box (you can print it) and exit the installer. 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 have this information with you when you return to the computer on which you want to install and activate the software.

File Installation Key

Provide File Installation Key:

63359-49645-17527-13373-29346-35874-10485

You may have received the File Installation Key from the Administrator of the license or from the MathWorks Web site.

Don't have your File Installation Key?

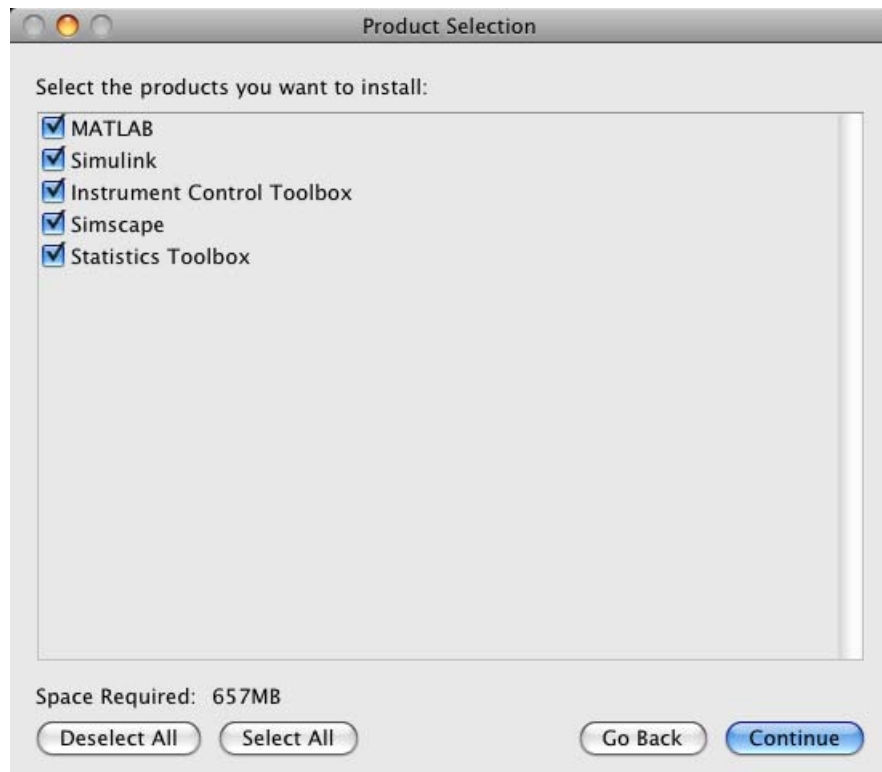
1. Go to a computer with an Internet connection and visit the MathWorks License Center at <http://www.mathworks.com/licensecenter>.
2. Activate to retrieve your license file and File Installation Key. You will need to provide the host ID (**0017f20c1d24**), the release (**R2009a**), and the operating system to activate, and possibly your Computer Login Name. You may also need your license number or Activation key. You can get these items from your system administrator.
3. Bring the license file and File Installation Key back to this computer to complete the installation and activation process.

Print Go Back Continue

Step 8: Select the Products to Install

Select the products you want to install from the list of products available for installation. All products on the license are preselected for installation. For a complete list of products supported on the Macintosh system, see Platform/Version Availability in the Products section of www.mathworks.com. When you click **Continue** the installer starts copying product files to your destination folder.

If you are installing a network license option, the product list includes the license manager. For information about when to install the license manager, see “Installing MathWorks Products in a Network Configuration” on page 1-42.



Selecting Products When Upgrading an Existing Installation

If you chose an existing installation folder, and are performing an overwrite installation, the installer clears the check box next to the names of products that you already have in your installation folder. You must explicitly select these products to overwrite them.

Step 9: Complete the Installation

When the installation successfully completes, the installer displays the Installation Complete dialog box. In this dialog box, you can choose to activate the software you just installed. The MathWorks recommends activating immediately after installation. You cannot use the software you installed until you activate it. Click **Continue** to proceed with activation. This documentation assumes you choose to continue with the activation process at “Step 10: Choose to Activate Manually” on page 1-38.

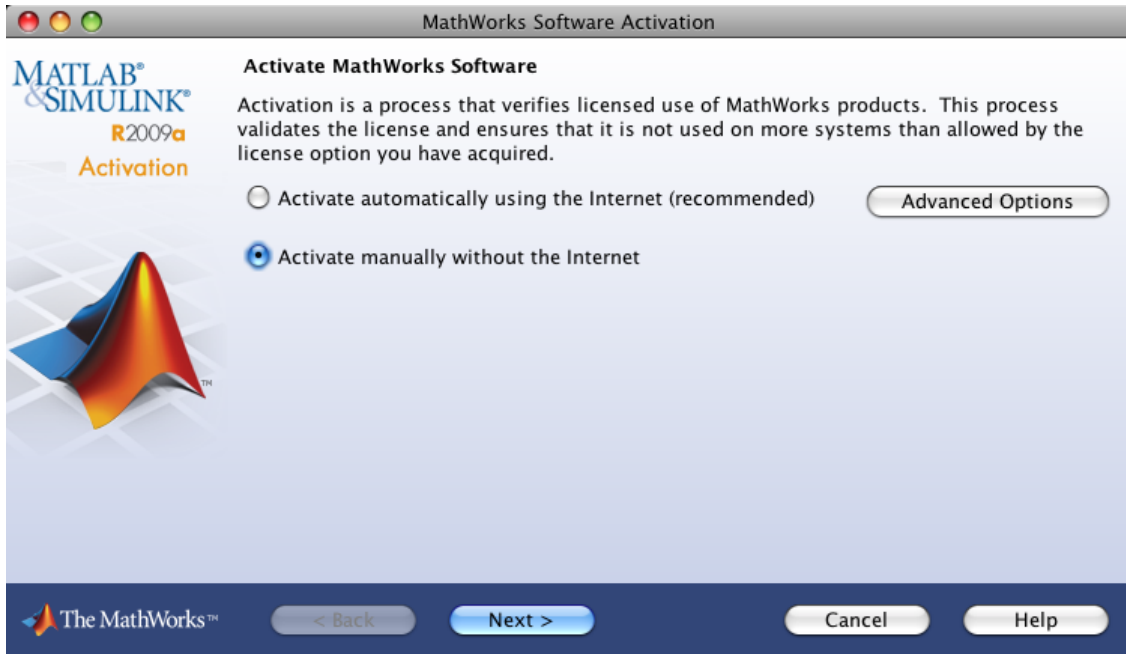


If you want to exit the installer without performing activation, clear the **Activate MATLAB** option and click **Finish** (the button label changes). You can activate later using the activation application. For information about activation, see “Activating Your Installation” on page 1-15. When you run the activation application, choose to activate manually.

After the installation is complete, you can drag the DVD icon to the trash and remove the DVD from the DVD drive.

Step 10: Choose to Activate Manually

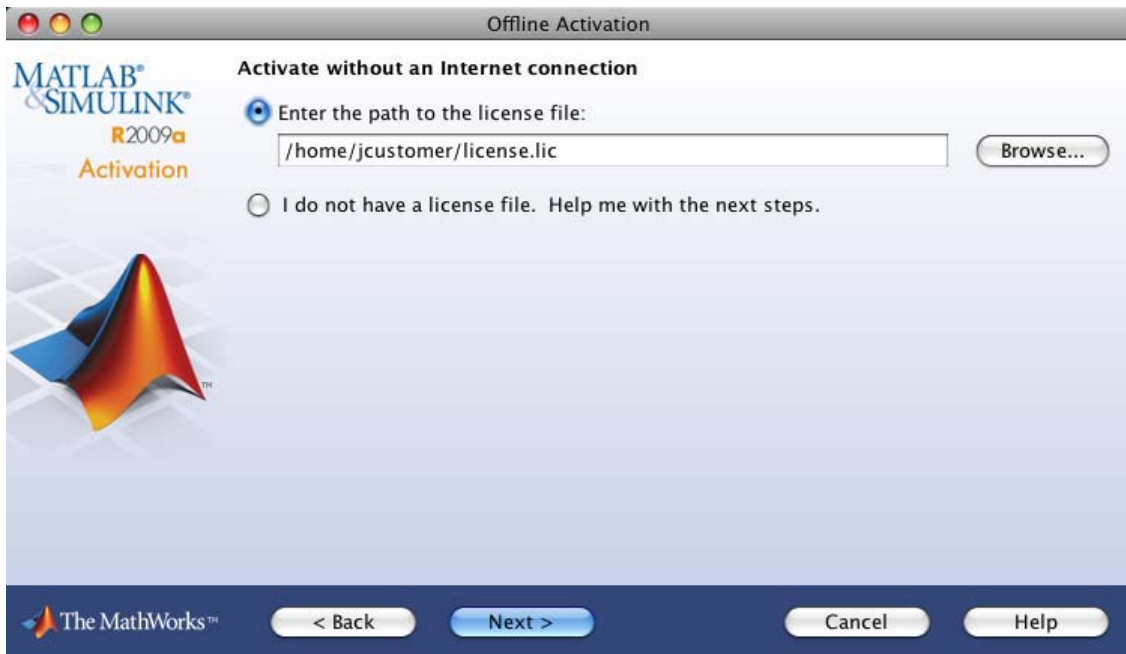
If you left the **Activate MATLAB** option selected on the Installation Complete dialog box, or started the activation application independently, the activation application displays two activation options: activate automatically using the Internet or activate manually without using the Internet. For the off-network scenario, select the **Activate manually without the Internet** option and click **Next**.



Step 11: Specify the Location of the License File

Specify the full path for the License File associated with the installation of this license or use the **Browse** button to find the file. The administrator on the license can retrieve the License File, along with the File Installation Key, at the License Center.

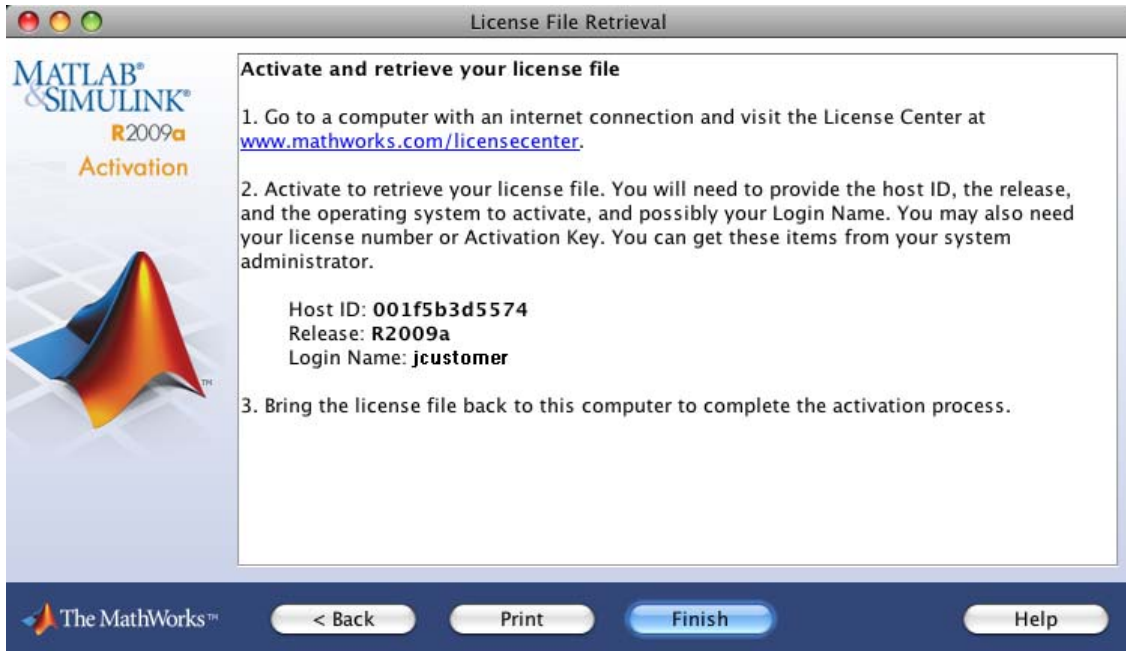
Click **Next** to proceed with activation.



If You Do Not Have a License File

If you do not have your License File, select the **I do not have a license file** option and click **Next**. The activation application displays the License File Retrieval dialog box. Take note of the information displayed in this dialog box, including the host ID and release number (you can print it), and click **Finish** to exit the activation application.

To complete activation, go to a computer with an Internet connection and visit the License Center at the MathWorks Web site. Log in to your account and enter the information you copied from the License File Retrieval dialog box. The MathWorks creates a License File that activates the license you specified. Then, return to the computer on which you want to install the software, run the activation application again, and specify the location of the License File.



Step 12: Complete the Activation

When activation completes successfully, you can start MATLAB software on your computer. Click **Finish** to exit the activation application. If you want the activation application to start MATLAB as it exits, leave the **Start MATLAB** check box selected.



Installing MathWorks Products in a Network Configuration

In this section...

“Step 1: Prepare to Install” on page 1-42

“Step 2: Start the Installer” on page 1-43

“Step 3: Enter System Authentication Information” on page 1-44

“Step 4: Choose Whether to Install Automatically or Manually” on page 1-45

“Step 5: Review the Software License Agreement” on page 1-46

“Step 6: Specify the Installation Folder” on page 1-47

“Step 7: Log In to Your MathWorks Account” on page 1-49

“Step 8: Select the License You Want to Install” on page 1-50

“Step 9: Select the Products to Install” on page 1-52

“Step 10: Specify the Location of the License File ” on page 1-54

“Step 11: Configure the License Manager (License Server Installations Only)” on page 1-57

“Step 12: Complete the Installation” on page 1-59

Step 1: Prepare to Install

Before you run the installer:

- Make sure you have an activated License File. When installing one of the network license options, you must visit the License Center at the MathWorks Web site, provide the host ID of the computer on which you will run the license manager, and retrieve an activated License File.
- 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, to do this, 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.

- Get the name and password of the administrator account on the system.

If you do not have an Internet connection during installation, see “Installing and Activating Without an Internet Connection” on page 1-27. Note that for network installs there are a few additional steps during installation.

If you need to perform an installation in a standalone environment, see “Installing MathWorks Software in a Standalone Environment” on page 1-2.

Step 2: Start the Installer

Insert the MathWorks DVD into the DVD drive connected to your system or download product files from the MathWorks Web site.

When the DVD icon appears on the desktop, double-click the icon to display the DVD contents. Double-click the `InstallForMacOSX` icon to begin the installation.



`InstallForMacOSX`

Step 3: Enter System Authentication Information

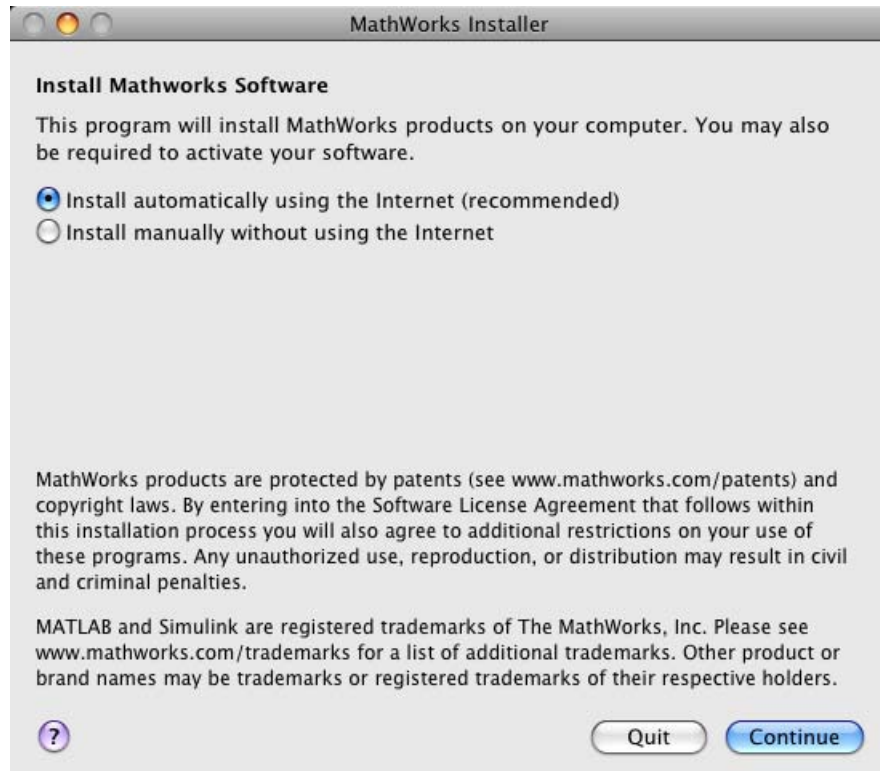
To install software on a Macintosh system, you must be the administrator of the system. Enter the name and password of the administrator account in the Authenticate dialog box. (The administrator account is the user account you set up when you configured your Macintosh system; this is not your MathWorks Account.) If you don't know the user name and password for the administrator account on the system, ask your system administrator. Click **OK** to proceed with the installation.



Step 4: Choose Whether to Install Automatically or Manually

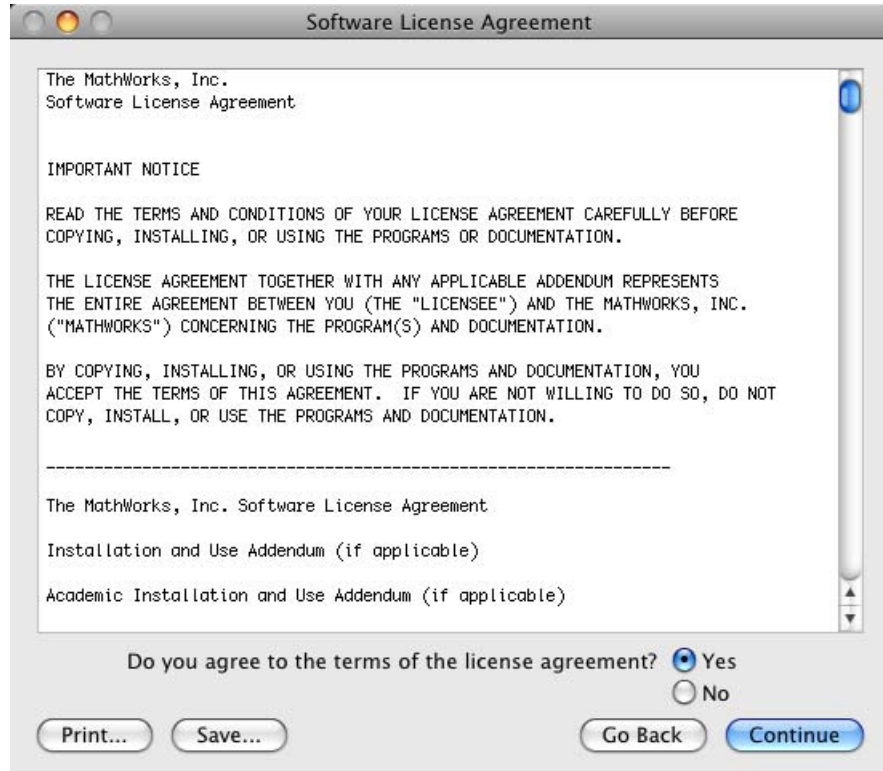
You must choose whether you want to install automatically or whether to install manually. If you install automatically, the installer contacts The MathWorks during installation. The MathWorks recommends installing automatically. If you choose to install manually, see “Installing and Activating Without an Internet Connection” on page 1-27 for step-by-step instructions. Note that a network installation has a few additional steps.

Make your selection and click **Continue** to proceed with the installation.



Step 5: Review the Software License Agreement

Review the Software License Agreement and, if you agree to its terms, select **Yes** and click **Continue** to proceed with the installation.



Step 6: Specify the Installation Folder

Specify the folder in which you want to install the MATLAB application package, MATLAB_R2009a. By default, the installer puts the package in the Applications folder on your system disk. To change the location, click **Choose Folder**, and navigate to the desired location. After specifying the folder name, click **Continue** to proceed with installation.



Notes on Selecting an Installation Folder

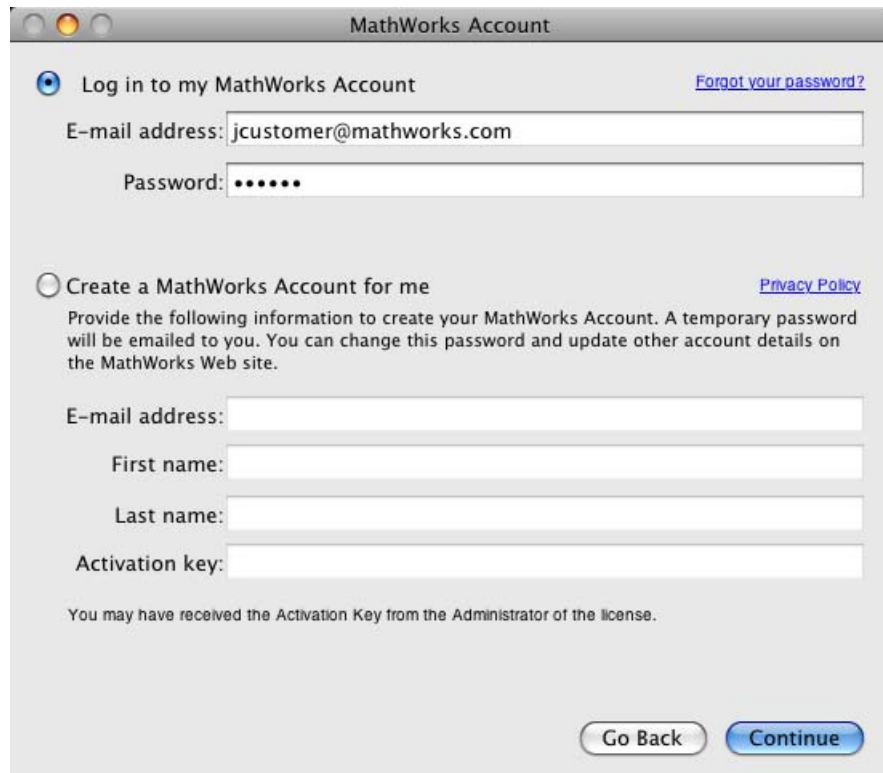
When specifying an installation folder, keep these guidelines in mind:

- Do not install MathWorks products over any previously released version, including prerelease versions. When upgrading an existing installation, always install your MathWorks products in a new installation folder. Each release of MathWorks products stands alone and does not require any previous release.
- Do not specify a folder name that contains spaces, the at (@) sign, an exclamation point (!), the percent character (%), the plus sign (+), or the dollar sign character (\$). In addition, do not install into a folder named `private`, but you can have a folder named `private` on the path.

Step 7: Log In to Your MathWorks Account

Enter your e-mail address and your MathWorks Account password and click **Continue** to log in to your MathWorks Account.

If you do not have a MathWorks Account, select the **Create a MathWorks Account for me** option and enter the information requested. To create a MathWorks Account during installation, you must provide an Activation Key. A new account will not have any licenses associated with it. The Activation Key identifies the license you want to install. After entering your account information, click **Continue** to proceed with the installation.



The screenshot shows a window titled "MathWorks Account" with two main sections. The first section, "Log in to my MathWorks Account", is selected with a radio button. It contains a "Forgot your password?" link, an "E-mail address" field with the value "jcustomer@mathworks.com", and a "Password" field with six dots. The second section, "Create a MathWorks Account for me", is unselected. It includes a "Privacy Policy" link, a paragraph of instructions, and four input fields for "E-mail address", "First name", "Last name", and "Activation key". At the bottom, there is a note: "You may have received the Activation Key from the Administrator of the license." and two buttons: "Go Back" and "Continue".

MathWorks Account

Log in to my MathWorks Account [Forgot your password?](#)

E-mail address:

Password:

Create a MathWorks Account for me [Privacy Policy](#)

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:

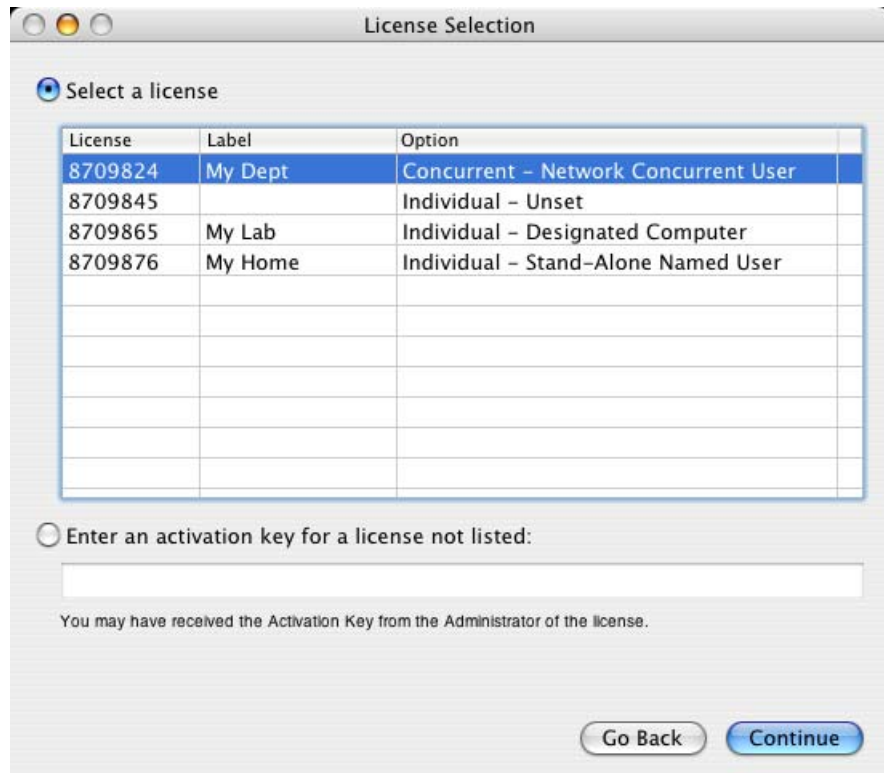
Activation key:

You may have received the Activation Key from the Administrator of the license.

Step 8: Select the License You Want to Install

Select the license you want to install from the list of licenses associated with your MathWorks Account, displayed in the License Selection dialog box. Each license is identified by license number, an optional descriptive text label, and information identifying the license option and activation type. If you have not yet set the activation type on the license, the word “Unset” appears. To give a license an identifying label, go to the License Center at the MathWorks Web site. See the License Center Help for instructions.

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



Specifying an Activation Key

If you do not see the license you want on the list, select the **Enter an activation key for a license not listed** option and enter an Activation Key. Specifying an Activation Key enables you to install the products associated with the license, but does not associate the license with your account—that occurs when you activate the license.

Step 9: Select the Products to Install

Specify the products you want to install in the Product Selection dialog box, and then click **Continue**. If you want to install the license manager, you must select it in the list of products. By default, the installer does not preselect it for installation.



Choosing Which Products to Install

The products you choose to install depends on your network configuration:

- **Installing only the license manager** — If you are installing only the license manager on a server, clear the check boxes next to all the other products.

- **Installing license manager and MathWorks products** — If you are installing the license manager and MathWorks products on the same server, select all the products including the license manager.
- **Installing MathWorks products on client computers** — If you are installing the software on a client computer, leave all the products on the list selected, except the license manager. You do not need to install the license manager on client systems.

See the License Administration Guide for more information about network configurations that include the license manager.

Selecting Products When Upgrading an Existing Installation

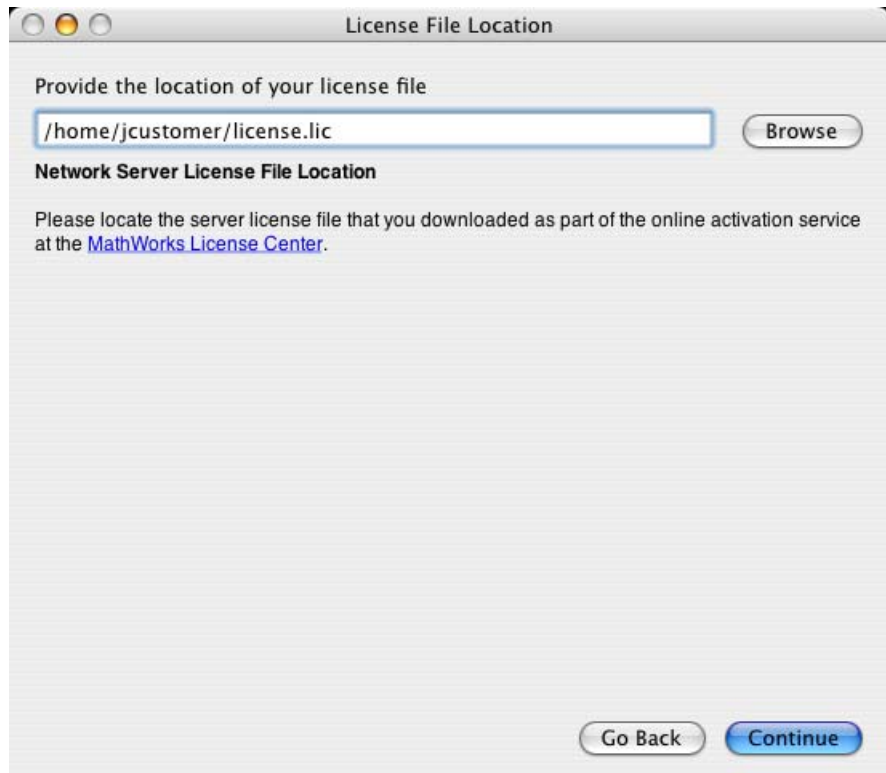
If you chose an existing installation folder, and are performing an overwrite installation, the installer clears the check box next to the names of products that you already have in your installation folder. You must explicitly select these products to overwrite them.

Step 10: Specify the Location of the License File

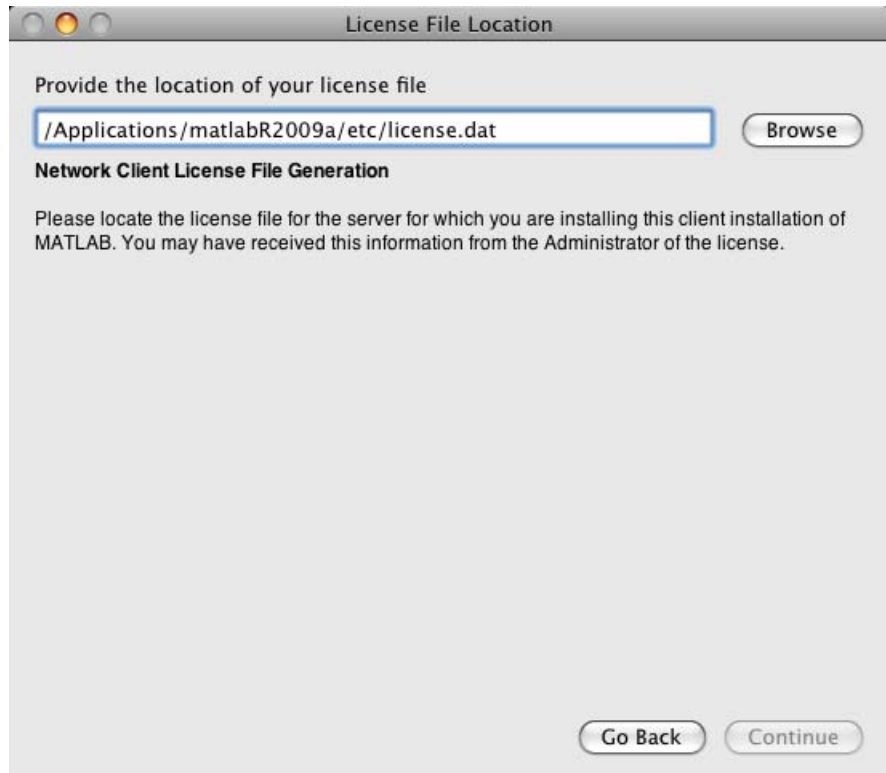
Specify the path for the License File and click **Continue**.

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. (See the License Administration Guide for information about network configurations.)

- If you are installing the license manager, specify the name of the License File you received from The MathWorks.



- If you are *not* installing the license manager, specify the name of the License File that was processed by the installer during installation of the license manager on your license server—see “License File Processing on Server and Client Installations” on page 1-55 for more information.



License File Processing on Server and Client Installations

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 it in the `/etc` 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/etc/lm_matlab`)

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 the following processing of the License File on client systems:

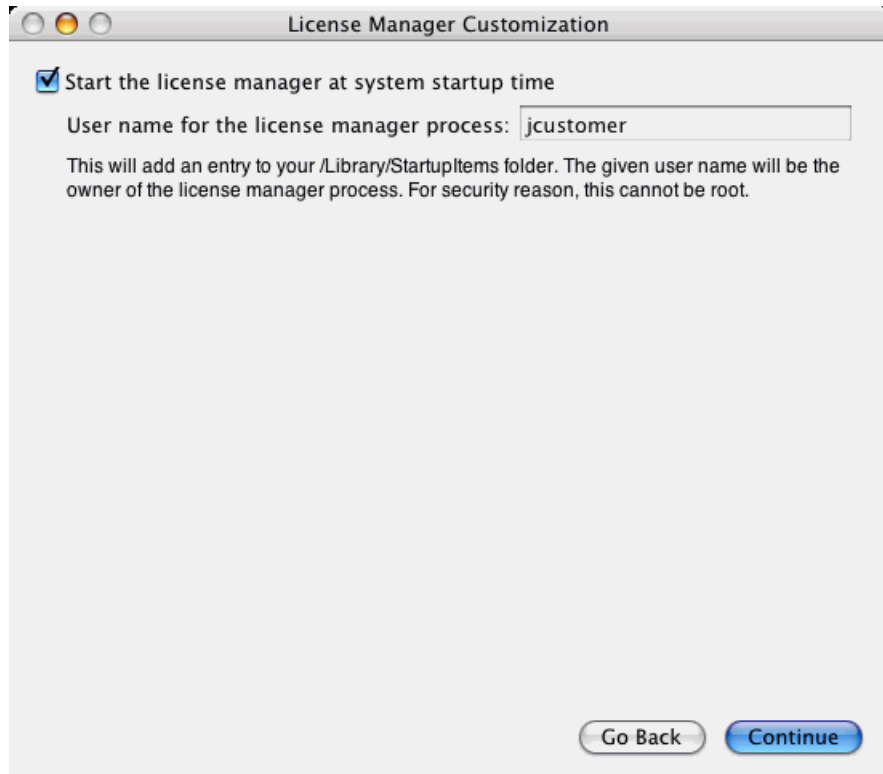
- Makes a copy of the License File on the server, naming it `network.lic`, and puts the file in the `/licenses` directory in your MATLAB client installation directory.
- Deletes all the product information and the `DAEMON` line in the License File, leaving the `SERVER` line. Adds the statement `USE_SERVER`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

Step 11: Configure the License Manager (License Server Installations Only)

If you selected a network license in the License Selection dialog box, and you specified that you wanted to install the license manager, the installer displays the License Manager Customization dialog box. You can configure the license manager to start at system startup. If you do not want the license manager to start each time you start your system, clear the check box.

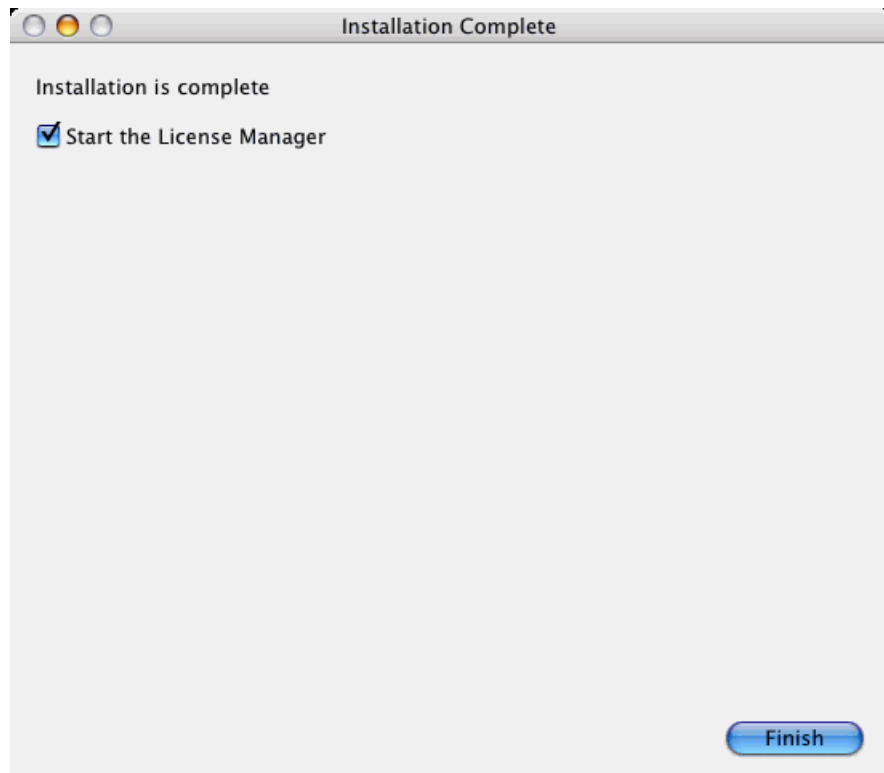
If you choose to configure the license manager to start at system startup, you must specify the user name of the person who will own the license manager process. This user name should be a user that is defined locally on the system, not defined on a network, because the start-up process occurs before network access is available. The user name cannot be root.

To proceed with the installation, click **Continue**.



Step 12: Complete the Installation

When the installation successfully completes, the installer displays the Installation Complete dialog box. For network licenses, you do not need to continue with the activation application. The License File you specified during installation was already activated by The MathWorks. If you leave the option selected, the installer can start the license manager for you as it exits. If you clear this option, you must start the license manager yourself. Click **Finish** to exit the installer.



After the installation is complete, you can drag the DVD icon to the trash and remove the DVD from the DVD drive.

After You Install

In this section...

“Starting MATLAB Software” on page 1-60

“Updating Your License” on page 1-60

“Putting the MATLAB Installation Directory on the Path” on page 1-61

“Setting Up MATLAB Printing Options” on page 1-61

“Starting the License Manager” on page 1-62

Note For more information about setting up network configurations, see the License Administration Guide.

Starting MATLAB Software

To start MATLAB, navigate to the MATLAB installation folder and double-click the MATLAB_R2009a icon.



MATLAB_R2009a

If you installed MathWorks products in a network configuration, the license manager must be running on your server to start MATLAB on client systems. If you accepted the defaults during installation of the license manager on your server, the installer configures the license manager to start automatically at system startup. If you need to start the license manager manually, see “Starting the License Manager” on page 1-62.

Updating Your License

Throughout the term of your license, your MATLAB installation periodically contacts The MathWorks to verify that your license is up-to-date, a process called *validation*. 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. Validation updates expiring licenses and License Files with product configuration changes. (You can also check for License File updates at any time by selecting **Help > Licensing > Update Current Licenses** from the MATLAB desktop.)

The administrator contact on a license can modify validation settings for the license at the License Center at the MathWorks Web site. See the License Center Help for more information.

Putting the MATLAB Installation Directory on the Path

If you want to start MATLAB by just typing `matlab` at the UNIX prompt, you must put the location of the MATLAB software on your path. If the MATLAB software is not on the path, you will need to type the full path each time to run MATLAB from the prompt.

To put the MATLAB software on the path, you can add a symbolic link to the `matlab` command in a directory that is already on your path. For example, on a standalone, single-user machine, you can use `/usr/bin`.

You can add the symbolic link at the UNIX prompt by entering

```
ln -s matlabroot/bin/matlab
```

where *matlabroot* is the full path to your top-level MATLAB installation directory (as returned by the `matlabroot` command.) You must execute this command in a directory that is currently on the path, for example, `/usr/bin`. (To add `mex` and `mbuild` to the path, you must repeat the same process.)

For information on adding symbolic links on multiuser computers, see the *Installation Guide for UNIX*.

Note If you add symbolic links, you might need to rehash the UNIX path. Type `rehash` at the UNIX prompt.

Setting Up MATLAB Printing Options

Printers must be added to the Printer Setup Utility in the `/Applications/Utilities` directory for MATLAB to recognize them. The

MATLAB print command uses `lpr` like other UNIX systems. MATLAB uses the Macintosh default printer as set in the Printer Setup Utility if you do not use `-P<printer>`. For example, to print the current figure to printer `trinity`, you can use

```
print -Ptrinity
```

To set up a printer, open the Printer Setup Utility in `/Applications/Utilities`. Click **Add Printer**. Refer to Macintosh Help (**Command+?**) for additional information.

Starting the License Manager

In installations where the license manager is needed, the installation process automatically configures the license manager to start when you start your system. If you accepted the defaults when you installed your MathWorks products, the installer configures the license manager to start automatically when you start your machine. If you chose not to configure the license manager during installation, the following sections describe how to configure the license manager to start at startup time or to start the license manager manually:

- “Configuring the License Manager to Start Up Automatically” on page 1-62
- “Disabling Automatic Startup of the License Manager” on page 1-63
- “Starting the License Manager Manually” on page 1-64

Note The user name associated with the license manager process should be a user that is defined locally on the system, not defined on a network. The license manager will only start up properly if the user name can be found during the startup process on the computer, before network users are available.

Configuring the License Manager to Start Up Automatically

The following procedure explains how to configure the license manager to start automatically. You must be an administrator to install this startup folder.

- 1 Navigate to the top-level `/Library` folder.
- 2 Create a folder within `/Library` called `StartupItems`, if it does not already exist.
- 3 Copy the `matlabroot/etc/MATLABMgr` folder into the `StartupItems` folder.
- 4 Run the Terminal application (located in `/Applications/Utilities`) and in the Terminal window enter the commands:

```
cd /Library/StartupItems/MATLABMgr
./config_lm.sh
```

- 5 The `config_lm.sh` script asks you to enter the directory where your MathWorks products are installed, that is, the MATLAB root directory (`matlabroot`). For example, if your MATLAB products are installed in `/Applications/MATLAB_R2009a`, you would enter:

```
/Applications/MATLAB_R2009a
```

- 6 The script then asks for your user name. The script uses the user name returned by the `whoami` command as the default. Accept the default or enter a different user name.
- 7 When the script finishes, restart your machine.

During startup, the message `Starting MATLAB License Manager` should appear on the screen. If you have difficulty starting the license manager, see “Troubleshooting” on page 1-72 for more information.

Disabling Automatic Startup of the License Manager

If you do not want the license manager to start automatically at startup, you can disable it. To disable the `MATLABMgr` script:

- 1 From the **Finder**, select **Go To Folder** from the **Go** menu.
- 2 In the **Go to the folder** field in the Go To Folder dialog box, enter

```
/Library/StartupItems/MATLABMgr
```

and click **Go**. A window titled MATLABMgr appears, containing several files.

- 3** Rename the file `StartupParameters.plist` to `StartupParameters_disabled.plist`.

You can re-enable the license manager to start at startup by following steps 1 to 3 above and renaming `StartupParameters_disabled.plist` back to `StartupParameters.plist`.

Starting the License Manager Manually

To start the license manager manually:

- 1** Start the Terminal application (`/Applications/Utilities`).
- 2** At the command prompt in the Terminal window, navigate to your MATLAB installation folder:

```
cd /Applications/MATLAB_R2009a/etc
```

- 3** To start the license manager, execute the following command:

```
./lmstart
```

Note Any time you make changes to the `license.dat` file, you must restart the license manager daemons by running `lmstart`. The `lmstart` script stops any currently running daemons and starts new ones.

Deactivating and Removing a MATLAB Installation

In this section...

“Deactivating a License” on page 1-65

“Removing a MATLAB Installation” on page 1-69

“Removing the License Manager” on page 1-70

Deactivating a License

Deactivating a license renders the MathWorks software unusable on a particular computer. Deactivation can be a useful way to manage usage of the software on multiple computers. For example, if you want to install and activate the software on a new computer, and you’ve already performed all the activations allowed by your license, you can deactivate one of your existing installations to enable activation on your new computer.

The deactivation process has two parts: the license must be deactivated on your computer and must also be deactivated in MathWorks systems. If you have Internet connectivity, the MathWorks deactivation application can take care of both parts of the process. If you do not have Internet connectivity, the deactivation application disables the software on your computer and gives you a *deactivation string*. To complete the deactivation process, you must visit the MathWorks Web site and enter the deactivation string. When you deactivate a license, you deactivate all the installations of that license on a particular computer.

Note Deactivating a license and removing the software are separate activities. You can deactivate a license without removing the software from your computer. When you remove a MATLAB installation, you remove the deactivation application, so it is best to deactivate before removing your installation. For more information about removing an installation, see “Removing a MATLAB Installation” on page 1-69.

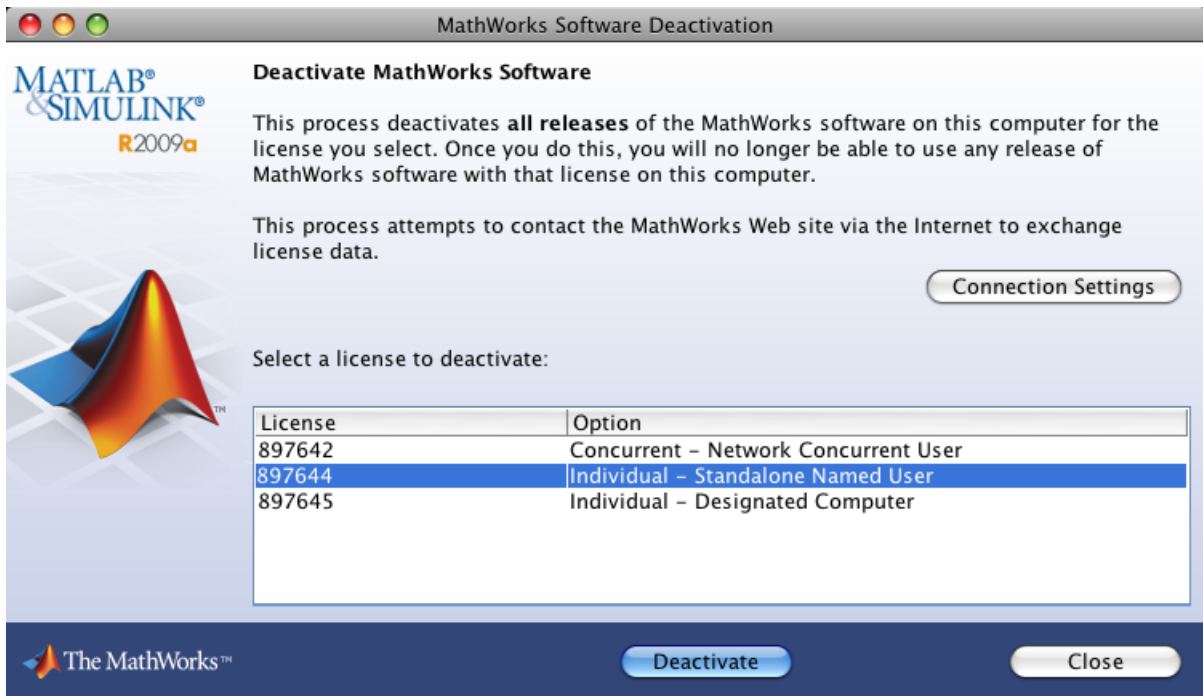
To deactivate a license on your computer, follow this procedure:

- 1 Start the deactivation application, using any of the following methods:

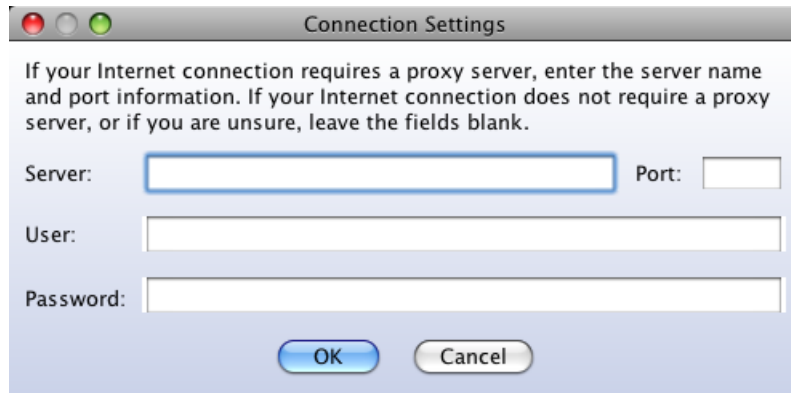
- View the MATLAB Help menu and select **Licensing > Deactivate Software**. MATLAB must be running.
- Navigate to the folder in which you installed the MATLAB application package and double-click the deactivation application icon. To view the contents of the MATLAB application package, right-click (or control-click) the package and select **Show Package Contents**.

2 Select the license you want to deactivate and click **Deactivate**

When the deactivation application starts, it displays the licenses you currently have installed and activated on your system. If you start this from within MATLAB, the license you are using is preselected.



If your Internet connection requires a proxy server, click the **Connection Settings** button and enter the server name and port information. Click **OK** to return to the MathWorks Software Deactivation dialog box.



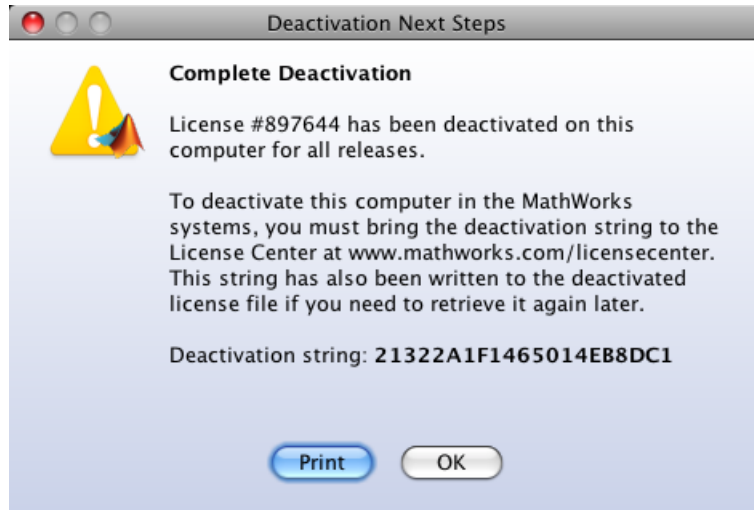
- 3 Confirm the deactivation. The deactivation application contacts The MathWorks to deactivate the license.

If the deactivation application can deactivate the license on your computer and at The MathWorks, it displays the Deactivation Complete dialog box. Click **OK** to return to the MathWorks Software Deactivation dialog box, where you can choose to deactivate other licenses.



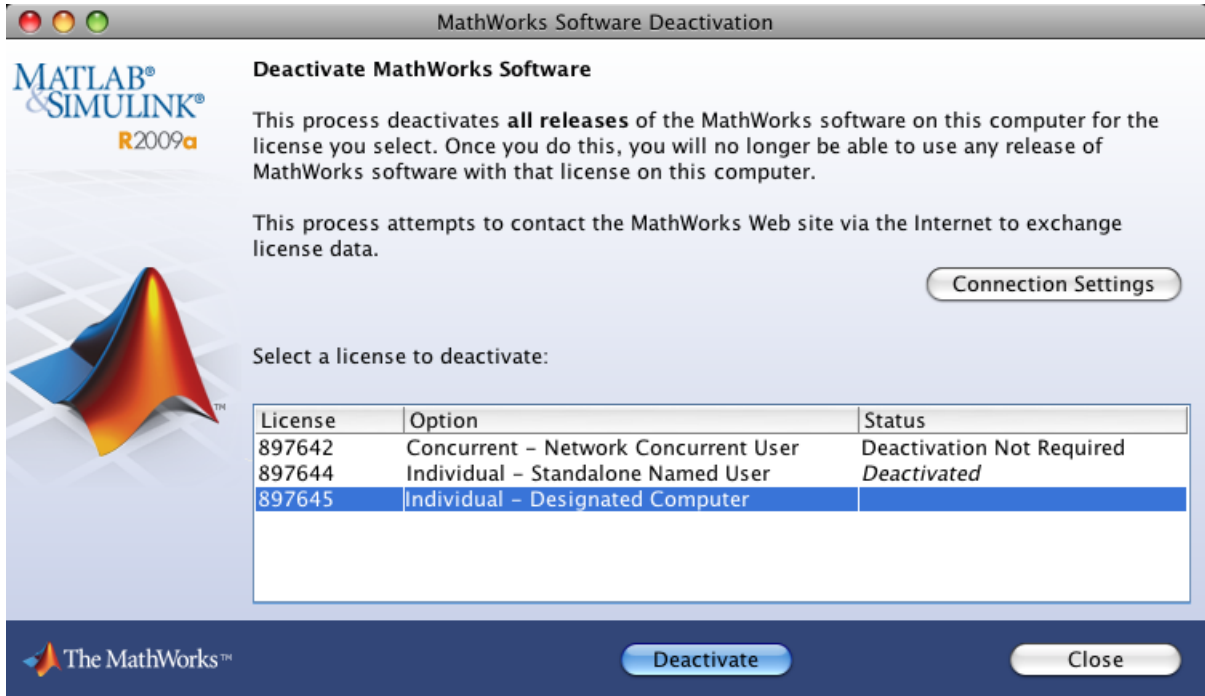
If the deactivation application can deactivate the license on your computer but not in MathWorks systems, it displays the Deactivation Next Steps

dialog box. This dialog box contains the deactivation string. To complete deactivation, you must go to the MathWorks Web site, log in to your account, and enter the deactivation string. See the License Center help for more information. Click **OK** to return to the MathWorks Software Deactivation dialog box.



- 4 Select another license from the list to deactivate and repeat the deactivation procedure, or click **Close** to exit the deactivation application.

After you deactivate a license, the MathWorks Software Deactivation dialog box displays an additional column listing the status of the licenses.



Removing a MATLAB Installation

Note Removing the software and deactivating a license are separate activities. You can deactivate a license without removing the software from your computer. When you remove a MATLAB installation, you remove the deactivation application, so it is best to deactivate before removing your installation. For more information about deactivating software, see “Deactivating a License” on page 1-65.

To remove a MATLAB installation:

- 1 Get the user name and password of the administrator account on the Macintosh system. Depending on where you installed MATLAB software, you might need administrator privileges to remove it.

- 2** Exit MATLAB and stop the license manager before removing a MATLAB installation. You can use the `lmdown` command to stop the license manager. See the installation guide for UNIX for information about the `lmdown` command.
- 3** Navigate to your MATLAB installation folder. For example, the installation folder might be named `MATLAB_R2009a` in your `Applications` folder.
- 4** Drag the `MATLAB_R2009a` folder to the trash, and then select **Empty Trash** from the **Finder** menu.

Removing the License Manager

- 1** From the **Finder**, select **Go To Folder** from the **Go** menu.
- 2** In the **Go to the folder** field in the Go To Folder dialog box, enter:

`/Library/StartupItems/MATLABMgr`

and click **Go**. A window titled `MATLABMgr` appears, containing several files.
- 3** Drag the `MATLABMgr` folder to the trash, and then select **Empty Trash** from the **Finder** menu.

System Requirements

In this section...

“Macintosh” on page 1-71

“License Management” on page 1-71

Note For the most up-to-date information about system requirements, go to the MathWorks Web site (www.mathworks.com) and click **Support**. On the Support page, click **System Requirements**.

Macintosh

32-Bit MathWorks Products

Operating System	Processors	Disk Space	RAM
Mac OS X 10.5.5 and above	All Intel® based Macintosh computers	360 MB (MATLAB only)	512 MB (At least 1024 MB recommended)

License Management

- Some license types require a license server running FLEXnet 11.6, which is provided by the MathWorks installer.
- TCP/IP is required on all platforms when using a license server.

Troubleshooting

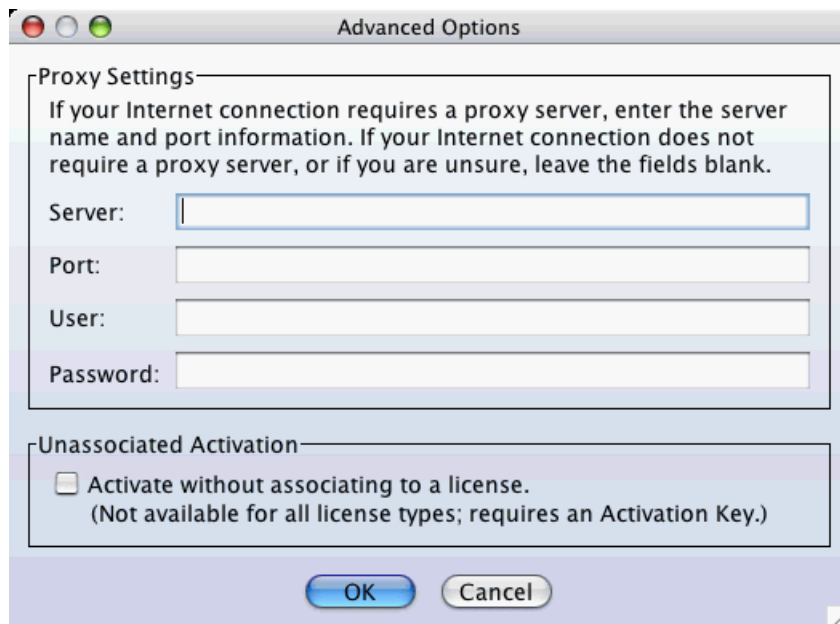
In this section...
“Accessing Activation Options” on page 1-72
“Getting Help with License Manager Error Messages” on page 1-73

Accessing Activation Options

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 Start the installer. On the first dialog box, select the **Install manually without using the Internet** option. You will need a File Installation Key. (See “Installing and Activating Without an Internet Connection” on page 1-27 for complete instructions.)
- 2 When the installer finishes installation and displays the Installation Complete dialog box, leave the **Activate MATLAB** option selected and click **Next**.
- 3 In the first activation application dialog box, you must make several choices:
 - Choose **Activate automatically using the Internet**. To install and activate without associating with a MathWorks Account, you must use the Internet.
 - Click the **Advanced Options** button. In the Advanced Options dialog box, select the **Activate without associating to a license** option and click **OK**.



- Click **Next** to continue with activation.
- 4** In the Activation Key dialog box, enter the Activation Key and click **Next**. Because you are not logged into a MathWorks Account, you must enter an Activation Key to identify a license.

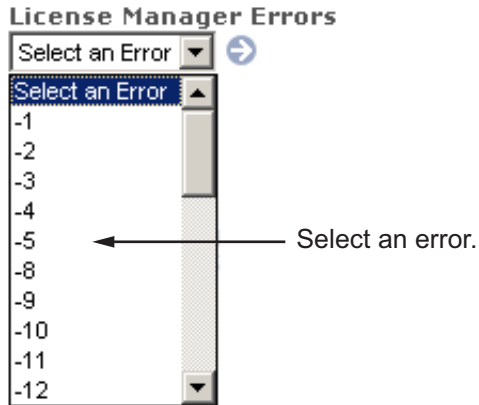
Note The only activation type available for unassociated activation is Designated Computer.

- 5** Click **Activate**.

Getting Help with License Manager Error Messages

When a problem occurs, the license manager displays an error message in a window on your display. Read the error message carefully—it provides information that can help solve the problem. For more complete diagnostic information about an error message, visit the Support page at the MathWorks Web site (www.mathworks.com) and click **Installation Troubleshooting**.

On this page, you can search the support database for solutions by license manager error number or you can 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/etc/LicenseAdministration.pdf` or at the Acresto Software, Inc. Web site, www.acresso.com.

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