cadence

OrCAD® Platform

Installation Guide for Windows

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Preface

This preface discusses the following:

- About This Guide on page 7
- How to Use This Guide on page 7
- Chapter Descriptions on page 8
- Typographic and Syntax Conventions on page 10

About This Guide

The Purpose of this Guide

This installation guide provides specific procedures for installing the OrCAD products on Windows operating platforms. It also provides information about the OrCAD licensing system for Windows.

The Target Audience of this Guide

This installation guide is intended to assist users who are installing OrCAD products for the first time.

If you have installed OrCAD products before and feel confident about how to perform the installation, see Chapter 1 - Quick Install.

How to Use This Guide

The purpose of this guide is to:

- explain how OrCAD software is licensed
- explain the hardware and software requirements for running the OrCAD products
- provide detailed procedures you should follow in order to successfully install the OrCAD products

Before you install the OrCAD products, you must first understand:

- the OrCAD licensing process for Windows (see Chapter 2 - Understanding OrCAD Licensing)
- what is needed for installing the products (see Chapter 3 - Understanding the Installation Process and Chapter 4 - What You Need in Order to Perform the Installation)

To perform the installation, follow the detailed procedures given in Chapter 5 - Setting up the Licensing and Chatper 6 - Installing the Products.

Chapter Descriptions

This guide consists of eight chapters:

- Chapter 1 - Quick Install

  This chapter provides abbrieviated procedures for installing the OrCAD products.

- Chapter 2 - Understanding OrCAD Licensing

  This chapter explains the OrCAD licensing system for Windows.

- Chapter 3 - Understanding the Installation Process

  This chapter explains the different files required for installation and what special situations you might encounter.

- Chapter 4 - What You Need in Order to Perform the Installation

  This chapter describes the hardware and software requirements for installing the OrCAD products.

- Chapter 5 - Setting up the Licensing

  This chapter provides detailed procedures for setting up the License Manager and license file.

- Chapter 6 - Installing the Products

  This chapter provides complete, detailed procedures for installing the OrCAD products.

- Chapter 7 - Special Tasks

  This chapter explains how to handle special installation tasks, such as updating the license file, Service Packs, performing remote client installations, and uninstalling the products.

- Chapter 8 - Getting Help

  This chapter provides troubleshooting tips, frequently asked questions, and other support information about installation.

Typographic and Syntax Conventions

This list describes the syntax conventions used in this guide.

`literal (LITERAL)`	Nonitalic or (UPPERCASE) words indicate key words that you must enter literally. These keywords represent command (function, routine) or option names.
`argument`	Words in italics indicate user-defined arguments for which you must substitute a value.
|	Vertical bars (OR-bars) separate possible choices for a single argument. They take precedence over any other character. For example, `command` argument | argument
[ ]	Brackets denote optional arguments. When used with OR-bars, they enclose a list of choices. You can choose one argument from the list.
{ }	Braces are used with OR-bars and enclose a list of choices. You must choose one argument from the list.
...	Three dots (...) indicate that you can repeat the previous argument. If they are used with brackets, you can specify zero or more arguments. If they are used without brackets, you must specify at least one argument, but you can specify more. *`argument`*`...: specify at least one argument, but more are possible` `[`*`argument`*`]...: you can specify zero or more arguments`
,...	A comma and three dots together indicate that if you specify more than one argument, you must separate those arguments by commas.
`Courier font`	Indicates command line examples.

Quick Install

This chapter discusses the following:

- Step 1 - Beginning the Installation Process on page 11
- Step 2 - Installing the License Manager on page 11
- Step 3 - Installing the Products on page 12

Caution

These Quick Install instructions are intended for users who have installed OrCAD products before and have some experience with the process. If you have never installed OrCAD products or are unsure about what to do, please refer to the complete detailed procedures given in the remainder of this Installation Guide.

Step 1 - Beginning the Installation Process

1. If you are using a dongle, attach it to the appropriate port (parallel port or USB port) of the computer before you begin the installation. Otherwise, for a network installation, be sure you are connected to the network.
2. Insert the first disk of the product CD set into your CD-ROM drive (if applicable, during the installation you will be reminded to insert other disks), and click *Install Software* on the splash screen.

Important

Ensure that the computer's virus detection software is disabled, and that no other programs are running, before proceeding with the installation.

Step 2 - Installing the License Manager

1. After accepting the License Agreement, choose *Set Up Licensing* from the Install Options dialog box.

Any older version of the License Manager that may exist on your computer will be uninstalled automatically.

2. Specify the directory path for installing the License Manager, and the location of the license file you received from OrCAD.
3. Assign a program folder for the License Manager and review the summary information.
4. Click *Next* in the Installation Summary dialog box to complete the installation of the License Manager.
5. Click *Yes* in the Install Products dialog box to proceed with product installation.

 *Tip*

For more detailed procedures and information about installing the License Manager, see Setting up the Licensing.

Step 3 - Installing the Products

1. In the License Manager Communication dialog box, specify the port number and host name of your license server.
2. Specify your name and company name.
3. Specify the location of the control file that identifies what products you are licensed to install.

   - or -

   In the Select Products dialog box, select the products you want to install and specify the destination folder.
4. Specify a working directory and choose product options.
5. Specify the program folder and then review the summary information.
6. Click *Next* in the Installation Summary dialog box to complete the product installation.

 *Tip*

For more detailed procedures and information about installing the products, see Installing the Products.

Understanding OrCAD Licensing

This chapter discusses the following:

- Licensing Requirements on page 13
- Licensing Overview on page 14

Licensing Requirements

What You Need to License OrCAD Software

Note: In order to perform the installation on Windows 2000, Windows XP Professional, or Windows XP Home, you must be logged on with administrative privileges.

OrCAD products must be licensed in order to operate on your computer. To set up the licensing successfully, you will need the following files. Typically, you receive these files as attachments to an email message from your local Value Added Reseller (VAR) along with your product CDs.

- The license file (`LICENSExxxx.TXT`.): The license file is usually named `LICENSE`, followed by an alphanumeric representation of your computer's host ID, ending with a `.TXT` extension. Copy the license file contained in the email to a special folder (such as `\Temp`) on your hard disk. During the installation process, you will be prompted to supply the location of the license file.
- The control file (`CONTROLFILE.TXT`): The control file lists the products you are eligible to install. Copy the control file to a special folder on your hard disk. During the installation process, you will be prompted to supply the location of the control file. The eligible products will be pre-selected for you and displayed in the Select Products dialog box.
- The feature map file (`PRODUCT_FEATURE_MAP.TXT`): Copy the feature map file to a special folder on your hard disk. During the installation process, if you do not want to install all of the pre-selected products listed in your control file, you can refer to the feature map file to select only particular entries in the Select Products dialog box during installation.



Tip

For general explanations of how these license files work in licensing OrCAD software, see Understanding the Installation Process.

In order to operate OrCAD software, you must also have the following:

- A dongle, if you are using a dongle as your locking method. Attach the dongle to the appropriate port (parallel or USB) of your computer before you begin the installation process. You must also install and activate the appropriate dongle driver. (For more specific information about dongles, see What You Need in Order to Perform the Installation.)

  Note: Network installations do not require special hardware or dongles. For a network installation, be sure you are connected to the network.

- The FLEXlm License Manager. You may already have the License Manager installed on your system from a previous release of OrCAD products. Release 10.5 requires FLEXlm License Manager version 10.1, or later.

  - If you already have FLEXlm License Manager version 10.1installed on your system, you do not need to run Set Up Licensing in the Install Options dialog box.
  - If you have an earlier version of the License Manager installed, you must first uninstall that and then install version 10.1by running Set Up Licensing.

To Check the Version of an Existing FLEXlm License Manager

1. From the Start menu, choose *Programs*, then choose *License Manager Tools*.

   The LMTOOLS Panel displays.

2. Choose *Help*, then select *About*.

   The version of the existing License Manager appears in the About box.

3. Click *OK* to return to the LMTOOLS Panel.

Licensing Overview

You can install the License Manager and license files in different configurations, depending on how many users (computers) will need to run the OrCAD products.

Important

In order to install the License Manager on Windows 2000 and Windows XP Professional, you must be logged on as *Administrator* with administrative privileges.

Tip

For specific procedures on how to install the licensing, see Setting up the Licensing.

Stand-alone Installation

To install the licensing for a single user on an isolated computer that will not depend on access to a network, install the License Manager directly on that computer. No sharing of the license is allowed. No other special licensing set up is necessary.

Network Installation

In a network installation, you install the products on a computer that is accessible over a network. This computer is referred to as the *file server*. To enable the products, you must also install the License Manager software on a computer that is accessible over the network. This computer is refered to as the *license server.* (Typically, the same computer operates as both the file server and the license server.) In this configuration, multiple users can run the OrCAD products at the same time across the network by accessing the license and file server.

The License Manager can be installed on any computer on a network, as long as that computer remains connected to the network and is running at all times. This provides continual access to the product licenses for other computers that are connected to the network.

You may have up to three license servers running simultaneously. These are referred to as *redundant license servers*. The three License Managers on the different license servers cooperate to grant feature licenses. The licensing system remains operational as long as any two of the three License Managers are functioning properly.

In a license file used by the License Manager software, the SERVER line specifies the host name of the license server and the port number of the License Manager daemon (`LMGRD.EXE`). A single license server license file has one SERVER line in it, as opposed to a redundant license server's license file, which has three SERVER lines in it. One (or more) of the three redundant license servers can be a UNIX computer. If so, enter the UNIX computer's machine ID in the *Host Name* field in the Redundant License Servers dialog box.

During installation of the License Manager, you are prompted to supply the location on the hard disk where you copied the license file. The license file (`LICENSE.TXT`) will be updated and copied to the License Manager folder.



Tip

For more information on the FLEXlm License Manager, refer to the *FLEXlm End Users Guide* by clicking *Start — Programs — Cadence License Manager — FLEXlm User Guide*, (or visit: http://www.macrovision.com/services/support/software_licensing.shtml for the very latest version of this document).

Administrative File Server Installation

An administrative file server installation is a variation of a network installation. You install the product files on a file server, but no environment variables or Start menu entries are created on the administrative file server. The function of the administrative file server is to act as a repository for the OrCAD software that each remote client computer accesses.

An administrative file server installation also creates a `SETUP.EXE` that you can then use to run a remote client installation.



Tip

For instructions on how to perform an administrative file server installation, see Installing Remote Clients.

Remote Client Installation

Remote client computers access the license server and the products (on the file server) over a network. The remote client computer itself does not have the License Manager software or any of the products installed on it. Instead, a minimum of files are installed (system DLLs, registry entries, and environment variables) and icons that point to the products on the file server are put into a program group on the remote client computer. In addition, the remote client installation creates a Start menu command (Synchronize Licensing With Server) that updates the `CDS_LIC_FILE` environment variable on the remote client computer with the file server's licensing information.



Important

Because the remote client installation's `SETUP.EXE` is created from an administrative file server installation, you have to run an administrative file server installation before you can run a remote client installation.



Tip

For instructions on how to perform an administrative file server installation, see Installing Remote Clients.

Understanding the Installation Process

This chapter discusses the following:

- Setting up Licensing on page 19
- Installing Products on page 20
- Special Tasks on page 20

Setting up Licensing

License File

OrCAD products are licensed software. The licensing system depends upon a license file that enables the use of the software. The license file is validated by FLEXlm License Manager software.

Typically, you will receive the license file (`LICENSExxxx.TXT`.) as an attachment to an email sent by your local Value Added Reseller (VAR) when you purchase the products. You must copy the license file contained in the email to a special folder (such as `\Temp`) on your hard disk prior to running the installation. During the licensing installation, you specify where this file is located. The License Manager will then process the file and validate your permission to run the OrCAD products. The License Manager runs continuously in the background and enables the products to run.

> **Note:** In order to run the products, you must have the current version (version 10.1 or later) of the FLEXlm License Manager installed.

Setting up the licensing is the first stage of the complete installation process.



Tip

For more detailed information about OrCAD licensing, see Understanding OrCAD Licensing. For detailed procedures to install the License Manager, see Setting up the Licensing.

Installing Products

Control File and Product Selection

The control file lists the products you are eligible to install. The feature map file is used during installation to generate a descriptive list of the eligible products. Together, these two files support the installation of the products and provide options for you to choose from.

Typically, you will receive the control file (`CONTROLFILE.TXT`) and the feature map file (`PRODUCT_FEATURE_MAP.TXT`) as attachments to the same email that contains the license file. Just like the license file, you must copy these files to a special folder (such as `\Temp`) on your hard disk. These files are referenced during installation and generate the display of products you see in the Select Products dialog box. Here you can choose to install some or all of the products you are eligible to run.

Installing the products is the second stage of the complete installation process. Once the products are installed correctly, no further setup is required to run the OrCAD tools.



Tip

For more detailed information about the control file, see Understanding OrCAD Licensing. For detailed procedures to install the products, see Installing the Products.

Special Tasks

Updating the License File

You can update the license file without uninstalling the products or performing a complete re-install. If you need to obtain a new license file (you purchased additional products, you upgraded to an interim release, etc.), then you can perform an update that essentially replaces the old license file with the new file. The License Manager is invoked during this update process so that it can validate and recognize the new license file.



Tip

For detailed procedures to update the license file, see Updating the License File.

Updating the Products (Service Packs)

Periodically, OrCAD issues Service Packs to address functional or performance problems in a main release.



Important

The OrCAD software update process works on an "as-requested" model. You must contact your local VAR in order to be alerted about an update. For more information, see Service Pack Information.

Windows updates only replace changed files on a full previous installation; you no longer have to uninstall your product to reinstall an update.

You can obtain update files and specific installation instructions through your local VAR. Update files have a version number like 10.5.0, where the last number will increment with each new update. Product updates are cumulative, so you need only obtain the latest version, even if your 10.5 software is a few revisions from the current version.

Installing Remote Clients

OrCAD products support remote client installations. You can perform such installations interactively or automatically. Before doing so, you must first complete the licensing and product installations.



Tip

For detailed procedures to perform remote client installations, see Installing Remote Clients.

Uninstalling

You can uninstall either the License Manager or the OrCAD products, or both. The process for uninstalling is simple, though you must be aware of certain advisories and special conditions.



Tip

For detailed procedures to perform uninstalls, see Uninstalling.

What You Need in Order to Perform the Installation

This chapter discusses the following:

- Hardware and Software Requirements on page 23
- OrCAD License File on page 25
- 10.5 Product CDs on page 25

Hardware and Software Requirements

Windows System Requirements

Because OrCAD products are Windows products, hardware and peripherals supported by Windows are also supported by the OrCAD products. A list of hardware and peripherals officially supported by Windows can be obtained from the Microsoft web page.

Important

As a general rule, directories into which you install OrCAD products should not have spaces in their names (for example, a directory name should be `cdsapd`, not `cds apd`). Spaces in directory names could cause operating problems in programs. Make sure that you do not install your programs, store your projects, or have your `TEMP` directory pointing to a location that has spaces in its name. Ensure that the location in which you store your design data has no spaces in its name.

Platform ID	wint
Operating System	Windows 2000 with at least SP4, or Windows XP Professional, or Windows XP Home Edition **Note:** OrCAD products do not support the Windows NT operating system (versions 4.0 and earlier).

Hardware	CD-ROM drive
	Ethernet card (for network communications and security hostID)
	Three-button Microsoft-compatible mouse
Minimum Hardware	Intel Pentium II or compatible processor (300 MHz or better)
	Note: OrCAD products do not support the IPF chip.
	128 MB physical memory
	2 GB disk space
	300 MB virtual memory
	800x600 SVGA card with 32,768 colors
Recommended Hardware	Intel Pentium III or compatible chip (900 MHz or better)
	256 MB physical memory
	2 GB disk space
	500 MB virtual memory
	1280x1024 True-color graphics

Network Interface Cards (NICs)

A network interface card (NIC) is the preferred locking method used in licensing to enable the products to run on a computer. Each NIC is programmed with an address that is sufficiently unique to enable its use as a hardware lock. Because a NIC is a circuit board inside the computer, it is unlikely to be lost, stolen, or accidentally detached from the computer, as a dongle might be.

You can use the NIC in a laptop computer as your locking method, but you should be aware that some laptops disable their NICs if the laptops are not attached to a network. If your laptop's NIC is disabled, you will not be able to run any products.

Dongles

A dongle is an alternate locking method used in licensing that enables software to run on a computer. Each dongle has a unique internal ID which allows it to function as a hardware lock. Dongles are also known as hardware locks, security keys, security locks, or security plugs. If your locking method is a dongle, attach the dongle to the appropriate port (parallel port or

USB port) of the computer before you begin the installation. If you have requested a dongle from OrCAD, it should be shipped to you with your product CDs.

The following dongles are supported for Release 10.5:

- FLEXid dongle (version 8, “flexid8”) — black colored case
- FLEXid USB dongle (version 9, “flexid9”) — teal colored case

To Install and Activate a Dongle Driver

1. Attach the dongle to the appropriate port on your computer.
2. Insert Disk 1 of your OrCAD product CDs in the CD drive of your computer.

   The OrCAD splash screen appears.
3. Click *View Files*, then select the FLEXlm folder.
4. Click the `flexid` folder and then run `FLEXidInstaller.exe`:

   Note: The document `FLEXid_README.pdf` in the same folder provides the support information and installation instructions for FLEXid Driver.

OrCAD License File

In order to run the OrCAD products, you must have a valid license file (`LICENSE.DAT`) issued by OrCAD. This license file enables the legal operation of the products.



Tip

For more details about the license file and installing the License Manager, see Understanding OrCAD Licensing.

10.5 Product CDs

The OrCAD products are contained on two CDs. You need both CDs to install the License Manager and the products.

Setting up the Licensing

This chapter discusses the following:

- Beginning the Installation Process on page 27
- Installing the License Manager on page 29
- Designating the License File on page 32

Beginning the Installation Process

To Begin the Installation

1. If you are using a dongle, attach it to the appropriate port (parallel port or USB port) of the computer before you begin the installation.
2. Insert the first disk of the product CD set into your CD-ROM drive (if applicable, during the installation you are reminded to insert other disks), and click *Install Software* on the splash screen.



Tip

If the installation does not begin automatically when you insert the first disk into your CD-ROM drive, start the installation by browsing the root directory of the first disk and double-clicking on `SETUP.EXE`. Or, type the path to `SETUP.EXE` in the Run dialog box (from the Start menu) and click *OK*.

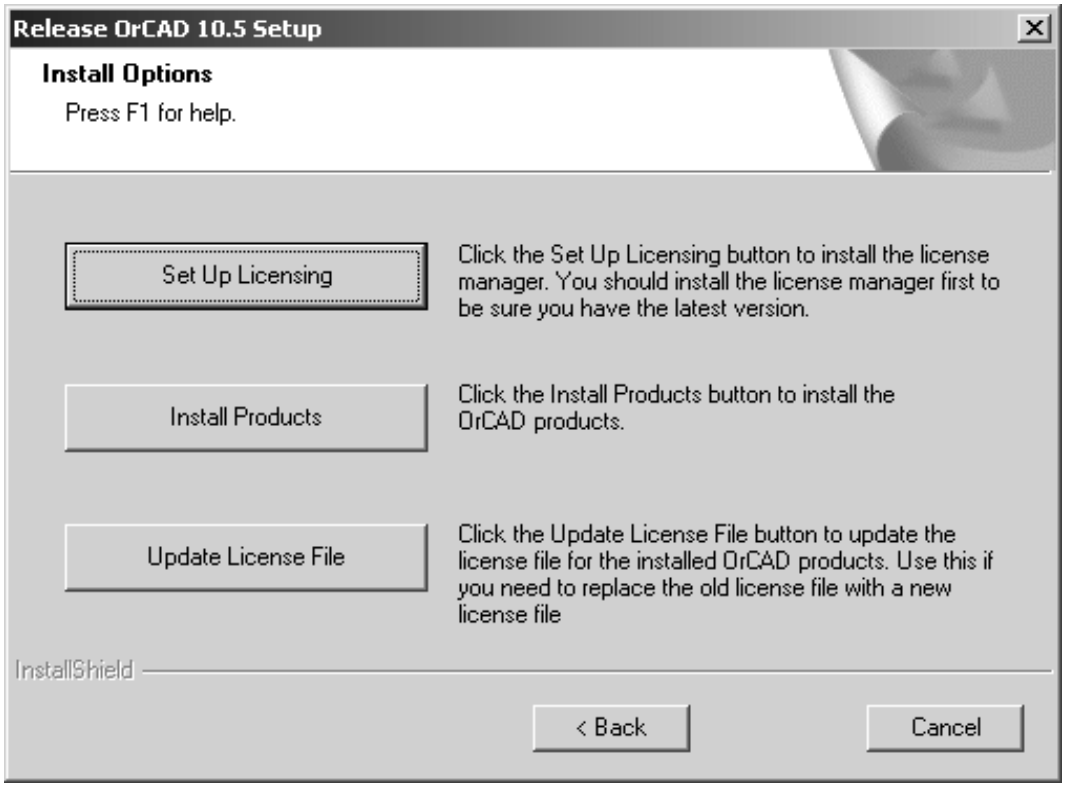
The License Agreement dialog box appears.



3. Click *Yes* to accept the License Agreement and proceed with the installation process.

Note: If you do not want to accept the License Agreement, click *No* to abort the installation process.

The Install Options dialog box appears.



4. Choose *Set Up Licensing* to install the License Manager.

Important

For a new installation, you must first set up the License Manager, and then install the products by running *Install Products*. (See Installing the Products on page 41.)

Note: If you received a replacement license file from OrCAD (if your original license file expired, or if you purchased additional licenses for products that you have already installed), and you already have the FLEXlm version 8.2 License Manager installed, you do not need to run *Set Up Licensing*. You should run *Update License File* instead. (For more details, see Updating the License File on page 57.)

Installing the License Manager

Important

In order to install the License Manager on Windows 2000 and Windows XP Professional, you must be logged on as *Administrator* with administrative privileges.

Note: If you have a License Manager (*not* version 10.1) installed from a previous release, you should stop that License Manager before continuing with the current License Manager installation.

To Stop Version 6.1 of the FLEXlm License Manager

From the Start menu, choose *Programs*, then choose *Cadence License Manager* and select *FLEXlm Control Panel*. Select the *Control* tab, and click *Stop*.

To Stop Version 7.2 of the FLEXlm License Manager

From the *Start* menu, choose *Programs*, then choose *Cadence License Manager* and select *License Manager Tools*.

- Choose *Stop\Reread*, then choose *Correct Server* and select *Shut Down*.

  -or-

- Choose *Service\License File*, choose *Configuration Using Services*, then choose *Cadence License Manager* and select the *Start/Stop/Reread* tab. Make sure *Cadence License Manager* is selected and click *Stop Server*.

To Stop Version 8.2a of the FLEXlm License Manager

From the Start menu, choose *Programs*, then choose *Cadence License Manager* and select *License Manager Tools.* Select the *Control* tab, and click *Stop*.

Choose *Service\License File*, choose *Configuration Using Services*, then choose *Cadence License Manager* and select the *Start/Stop/Reread* tab. Make sure *Cadence License Manager* is selected and click *Stop Server*.

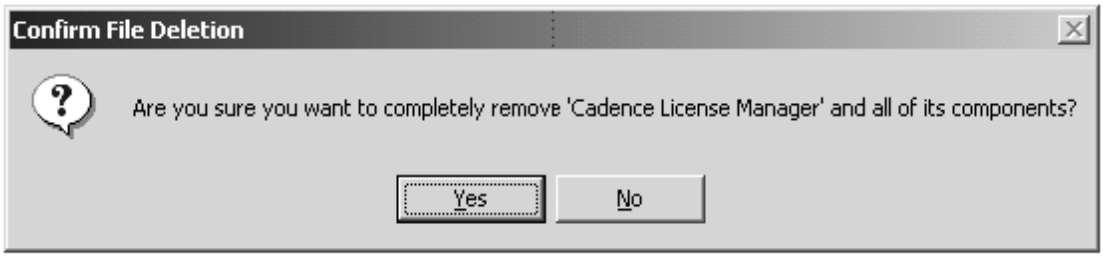
To Install the License Manager

1. Click *Set Up Licensing* in the Install Options dialog box.

   Any older version of the License Manager that may exist on your computer will be uninstalled before the setup process continues. The old License Manager will be uninstalled automatically if you have not done this manually before running *Set Up*

Licensing. An information box appears to warn you that the License Manager will be removed. You are also prompted to confirm this before proceeding.

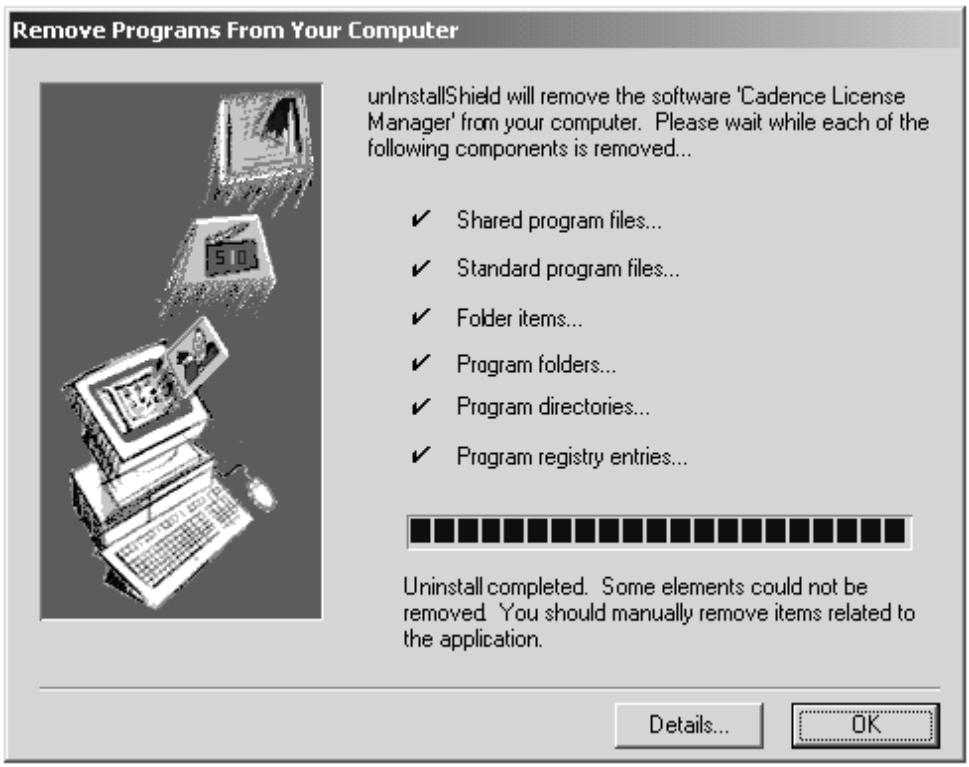




2. Click *OK* in the Information message box, and then click *Yes* in the Confirm File Deletion dialog box.

Note: If you select *No*, the uninstall process is canceled.

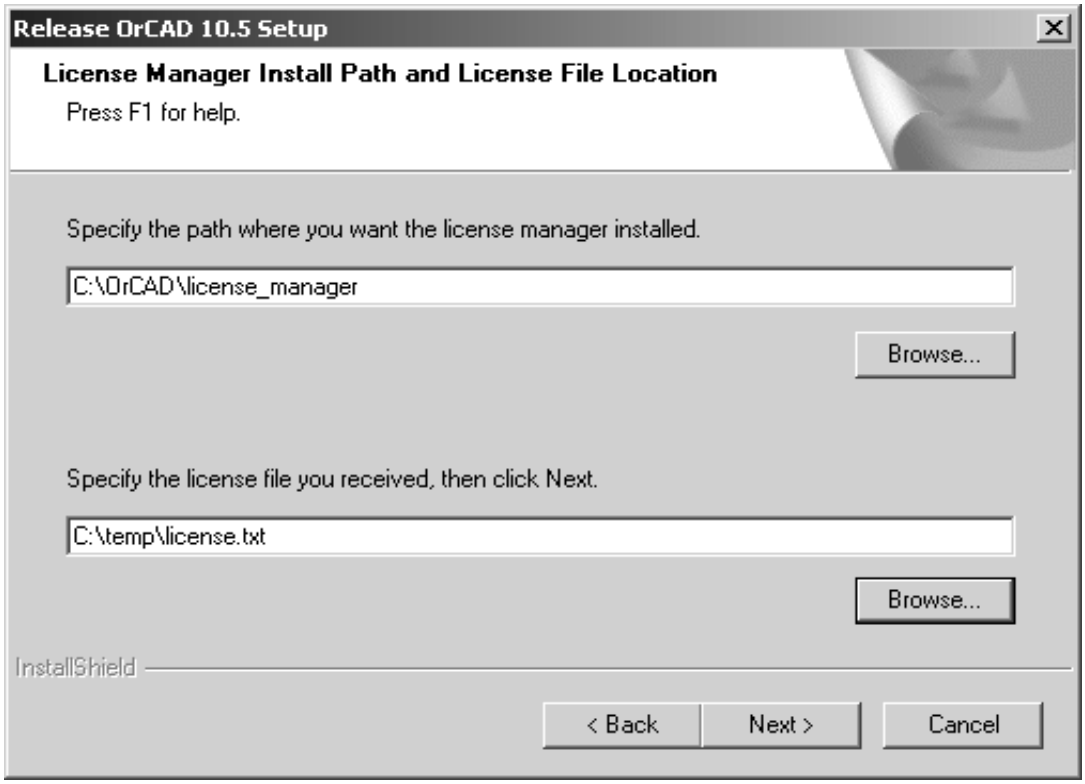
The Remove Programs From Your Computer dialog box appears.



Designating the License File

1. Click *OK* in the Remove Programs From Your Computer dialog box.

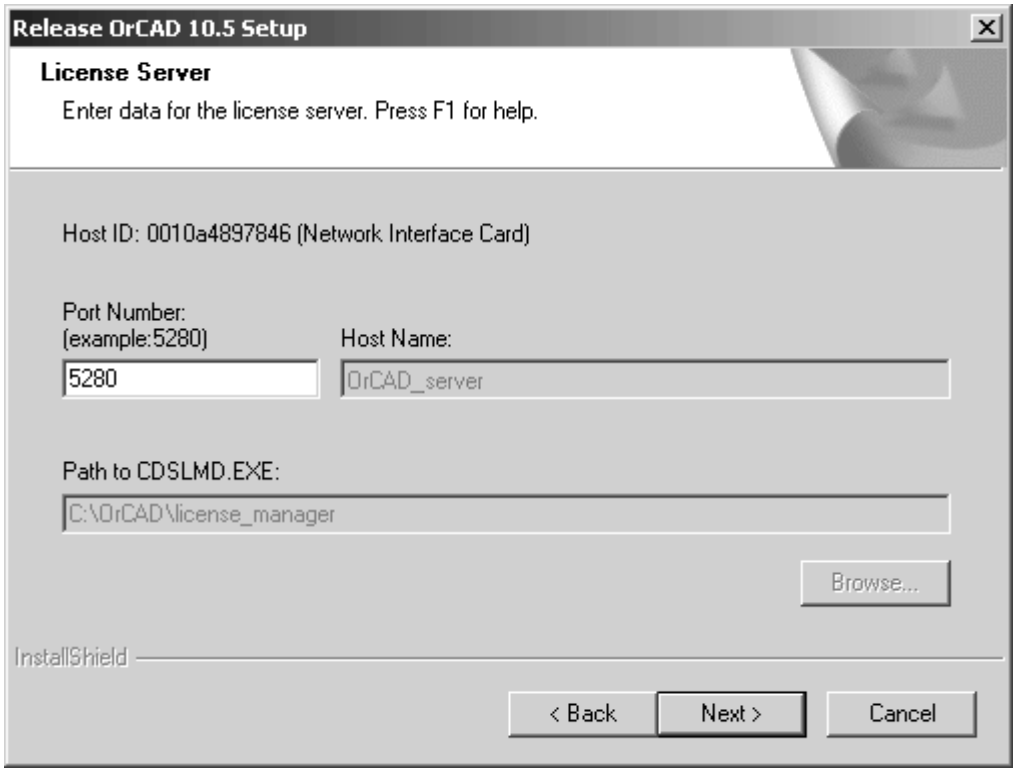
The License Manager Install Path and License File Location dialog box appears.



2. In the first text field, specify the directory path where you want to install the Cadence License Manager. The default directory is: `c:\OrCAD\license_manager`
3. In the second text field, specify the path to the license file you received from OrCAD, including the name of the license file itself. (Use the *Browse* button to locate the license file you copied to your computer.)

   Note: You can leave the second text field blank. You will still be able to install the License Manager, but you will not be able to run the License Manager until you supply a license file to the installation. (See Updating the License File on page 57.)
4. Click *Next.*

The License Server dialog box appears.

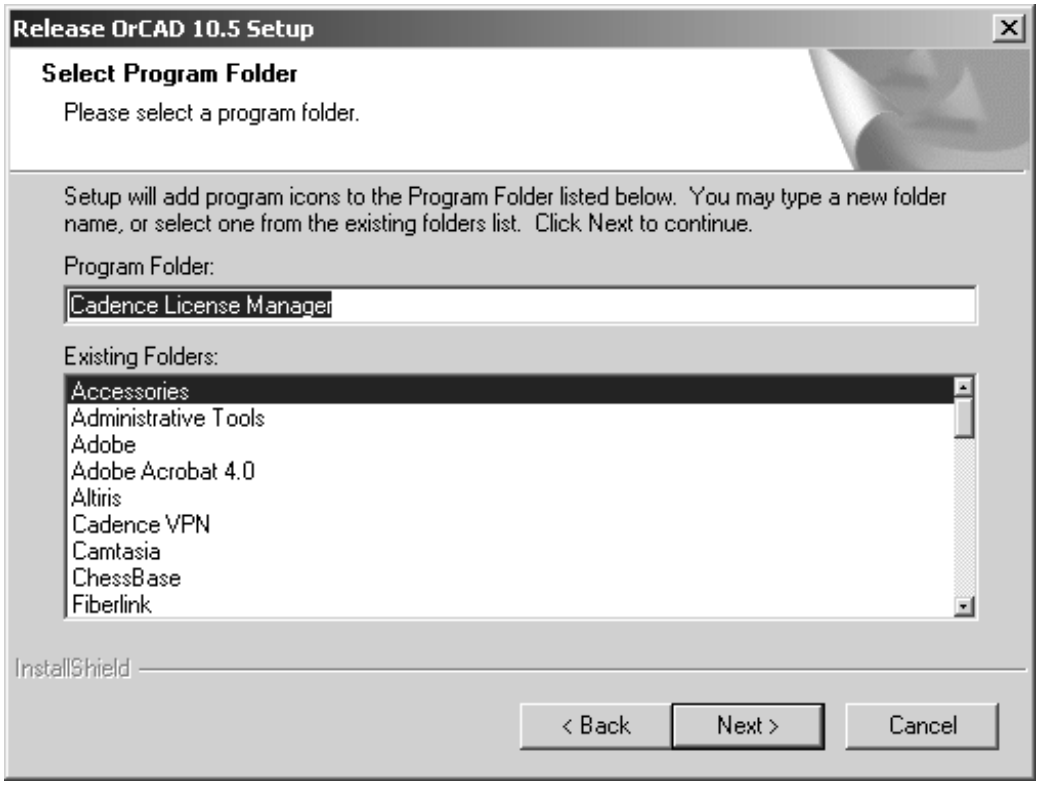


5. Make any necessary changes in the License Server dialog box, as explained below:

- Change the port number specification of the License Manager daemon (`LMGRD.EXE`) in the *Port Number* text box.
- Change the host name of a license server in the *Host Name* text box.
- Change the path to the vendor daemon (`CDSLMD.EXE`) in the *Path to CDSLMD.EXE* text box.

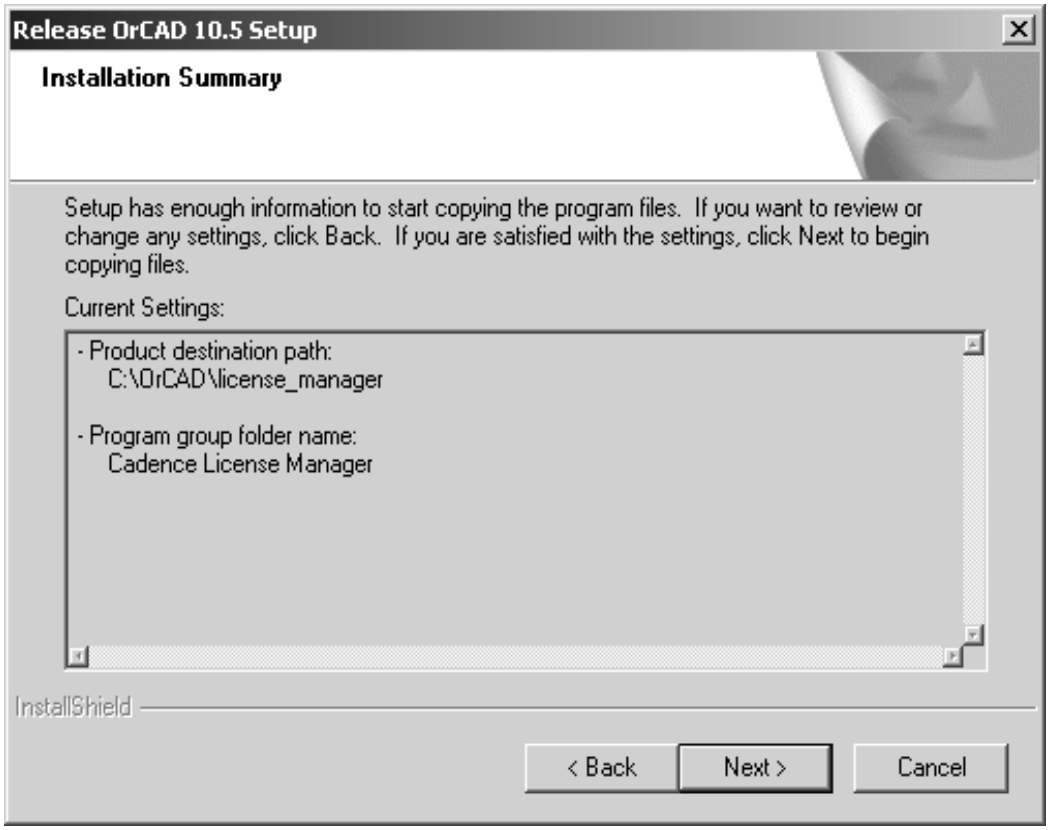
6. Click *Next*.

The Select Program Folder dialog box appears.



7. Specify a program folder (or leave the default folder), then click *Next*.

The Installation Summary dialog box appears.



8. Click *Next* if all the information is correct. (Use the *Back* button to return to a previous dialog and correct any mistakes.)

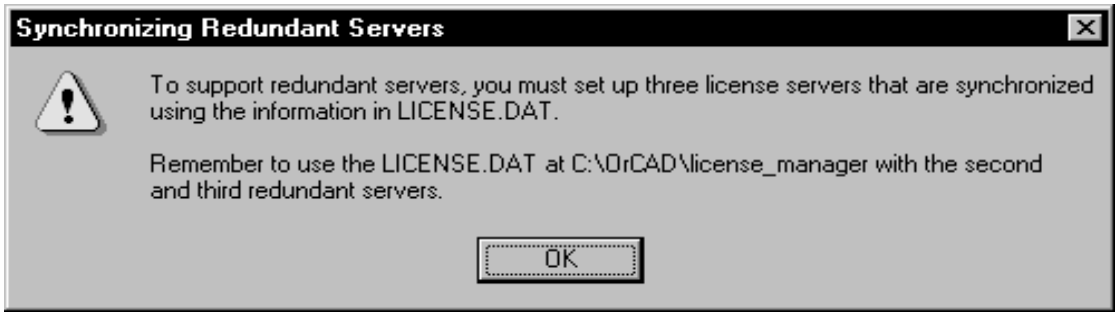
The License Manager is installed and initialized.

When the process is complete, the License Manager Test message box appears to confirm that the process was successful.



Note: If you supplied a redundant license servers license file, the License Manager is

installed and a message about synchronizing redundant servers appears.



9. Click *OK* to dismiss either message.

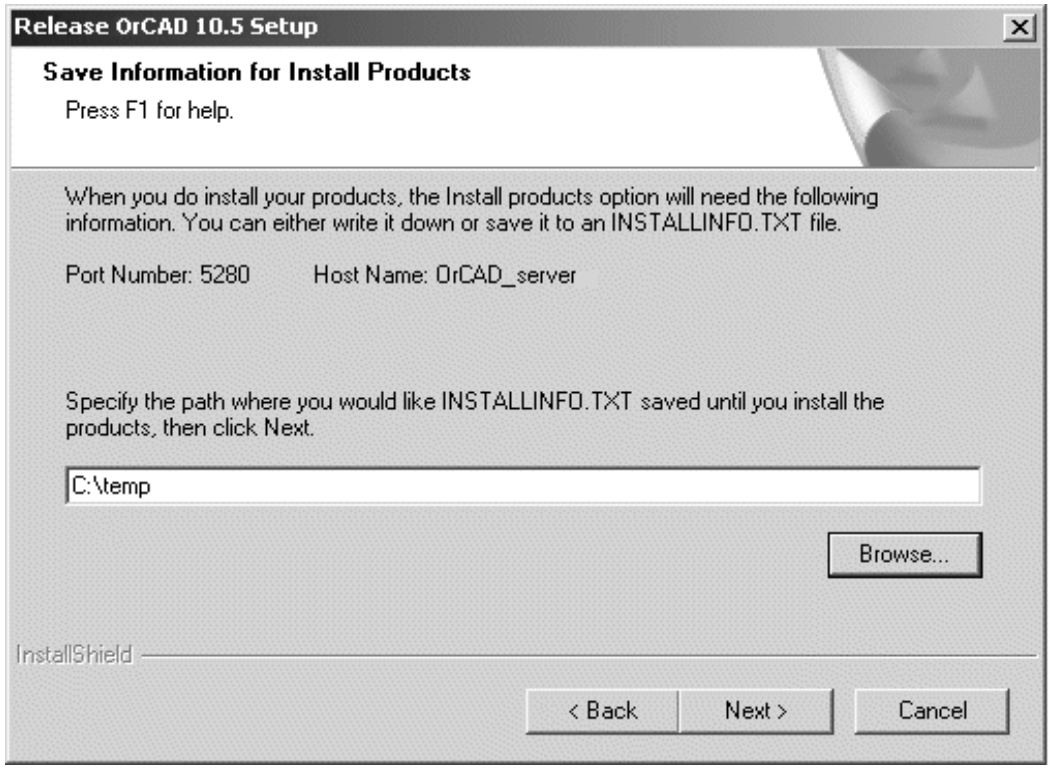
The Install Products dialog box appears.



10. Click *Yes*.

The installation takes you directly to the beginning of the process of installing products (see Installing the Products on page 41).

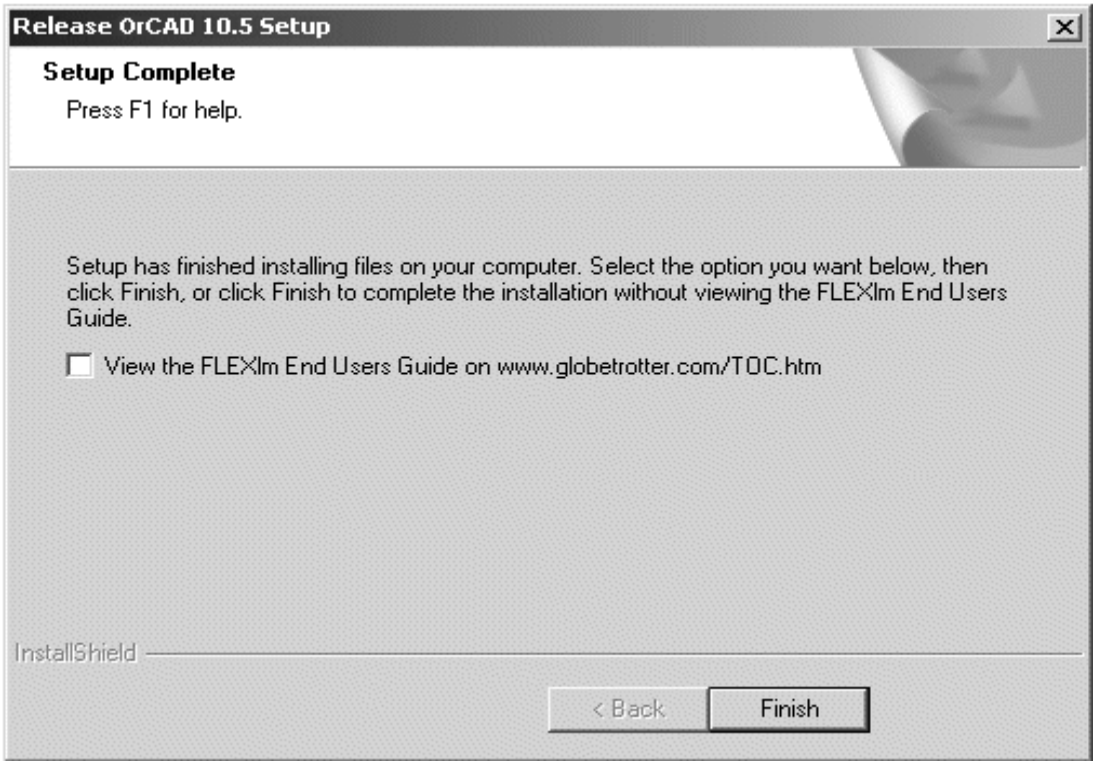
Note: If you click *No*, the Save Information for Install Products dialog box appears.



- Specify a location to save `INSTALLINFO.TXT` and click *Next*.

The information is saved so you can retrieve it later to complete the installation of the products.

The Setup Complete dialog box appears.



Select *View the FLEXlm End Users Guide on www.globetrotter.com/TOC.htm* if you want to read the FLEXlm manual.

Tip

If you clicked *Yes* in the Install Products dialog box (Step 7 above), the Setup Complete dialog box does not appear. However, you can still view the *FLEXlm End Users Guide* by visiting their website at www.globetrotter.com/TOC.htm.

11. Click *Finish*.

The process of setting up licensing is complete.

Note: The Installer detects if any locked files (`.EXE, .DLL`) are found. If so, a message appears reminding you to reboot the system when the installation process is done.

Installing the Products

This chapter discusses the following:

- Beginning the Installation Process on page 41
- Identifying the License Manager on page 43
- Identifying Your System Information on page 45
- Selecting the Products to Install on page 46
- Specifying the Working Directory on page 48
- Choosing Product Options on page 49

Beginning the Installation Process

To Begin the Installation

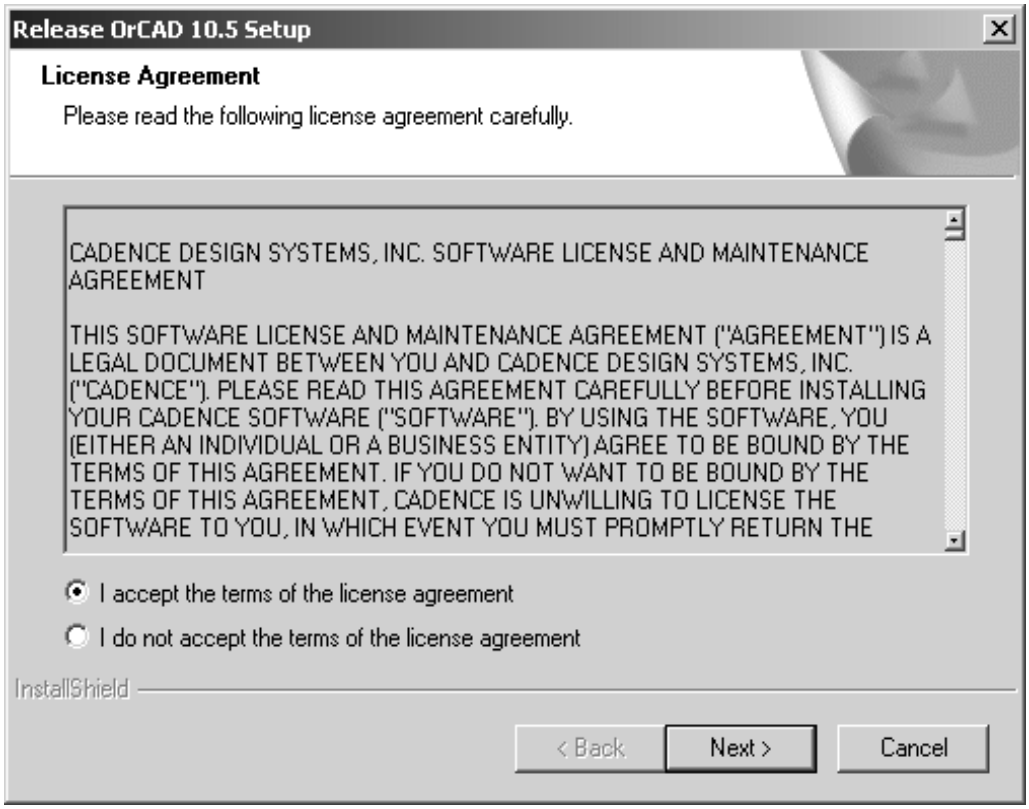
1. If you are using a dongle, attach it to the appropriate parallel port or USB port of the computer before you begin installing the software.
2. Insert the first disk of the product CD set into your CD-ROM drive (if applicable, during the installation you will be reminded to insert other disks) and click *Install Software* on the splash screen.



Tip

If the installation does not begin automatically when you insert the first disk into your CD-ROM drive, start the installation by browsing the root directory of the first disk and double-clicking on `SETUP.EXE`. Or, type the path to `SETUP.EXE` in the Run dialog box (from the Start menu) and click *OK*.

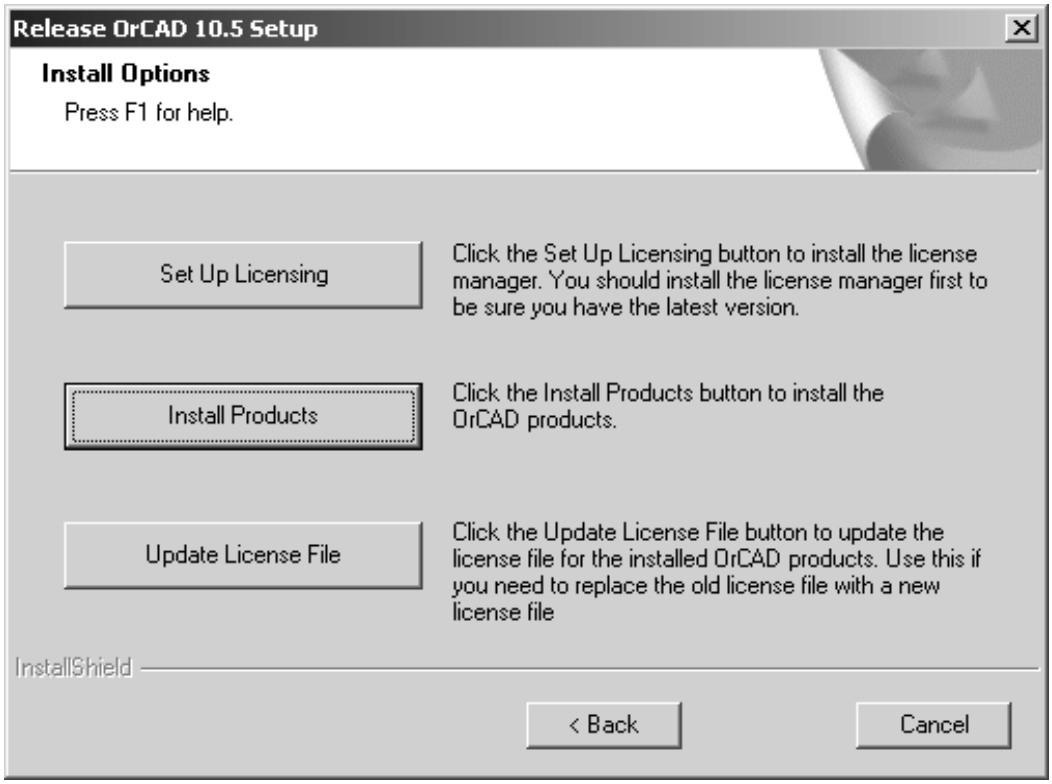
The License Agreement dialog box appears.



3. Click *Yes* to accept the License Agreement.

Note: If you do not want to accept the License Agreement, click *No* to abort the installation process.

The Install Options dialog box appears.



4. Choose *Install Products*.

Identifying the License Manager

Before you install products on a computer accessible over a network (referred to as a *file server*), you must first install the License Manager software (see Setting up Licensing on page 19) and provide it with the location of your license file. (The product licensing needs the licensing data that results from running *Set Up Licensing*.) One way to supply the licensing data to the product installation is by supplying the `INSTALLINFO.TXT` file you had the opportunity to save at the end of either the Set Up Licensing or the Update Licensing on License Server section. Instead of supplying the location of `INSTALLINFO.TXT`, you can enter the port numbers and host names of your license servers in the text fields provided in the License Manager Communication dialog box.

Note: If you have not yet received a license file from your local VAR, you can leave the text fields blank and click *Next* in the dialog box. You can still install the products, but you must install the License Manager before you can run the products.

To Identify the License Manager

1. Click *Install Products* in the Install Options dialog box.

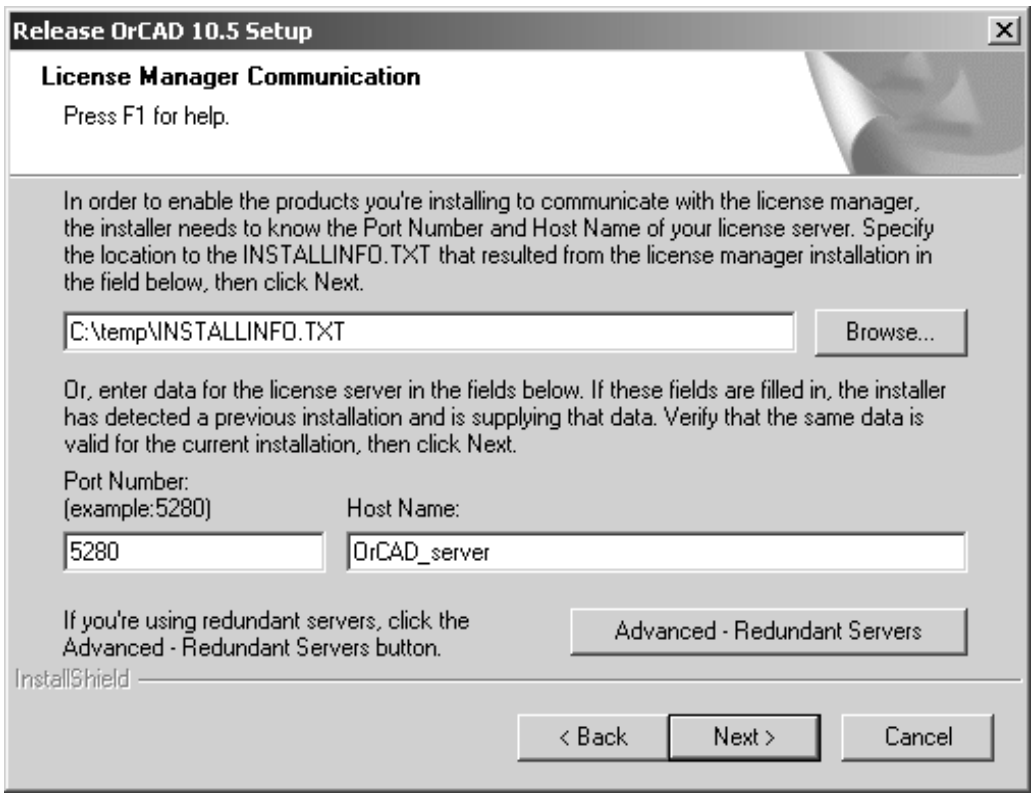
   A message about disabling virus detection programs appears.



Important

Ensure that the computer's virus detection software is disabled, and that no other programs are running, before proceeding.

The License Manager Communication dialog box appears.



2. Supply the following information:

- The location of the `INSTALLINFO.TXT` file you saved when you ran *Set Up Licensing* or *Update Licensing on License Serve*r.

-or-

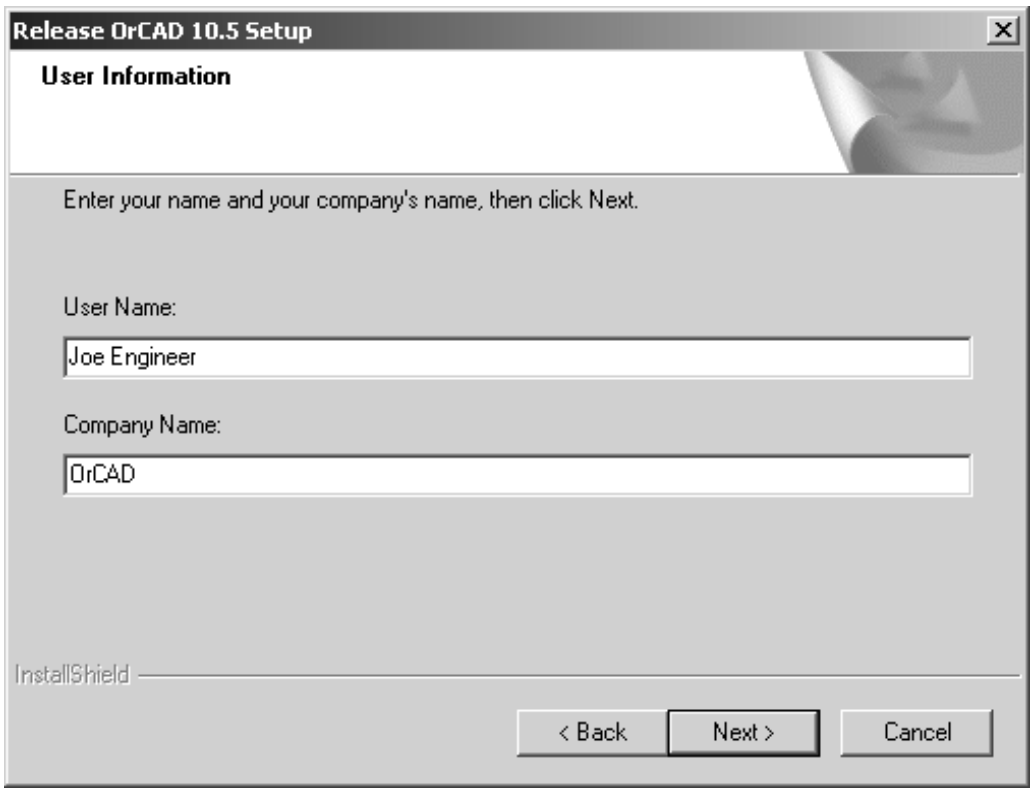
- The port number and host name of the license server in the *Port Number* and *Host Name* text fields.

3. Click *Nex*t.

Identifying Your System Information

To Identify Your System Information

The User Information dialog box appears.



1. Enter your name and your company's name, then click *Next*.

   The User Information Confirmation dialog box appears.

2. Click *Yes* to accept the information and continue with the installation.

Selecting the Products to Install

To Select the Products

1. Click *Yes* in the User Information Confirmation dialog box.

   The Control File Location dialog box appears.

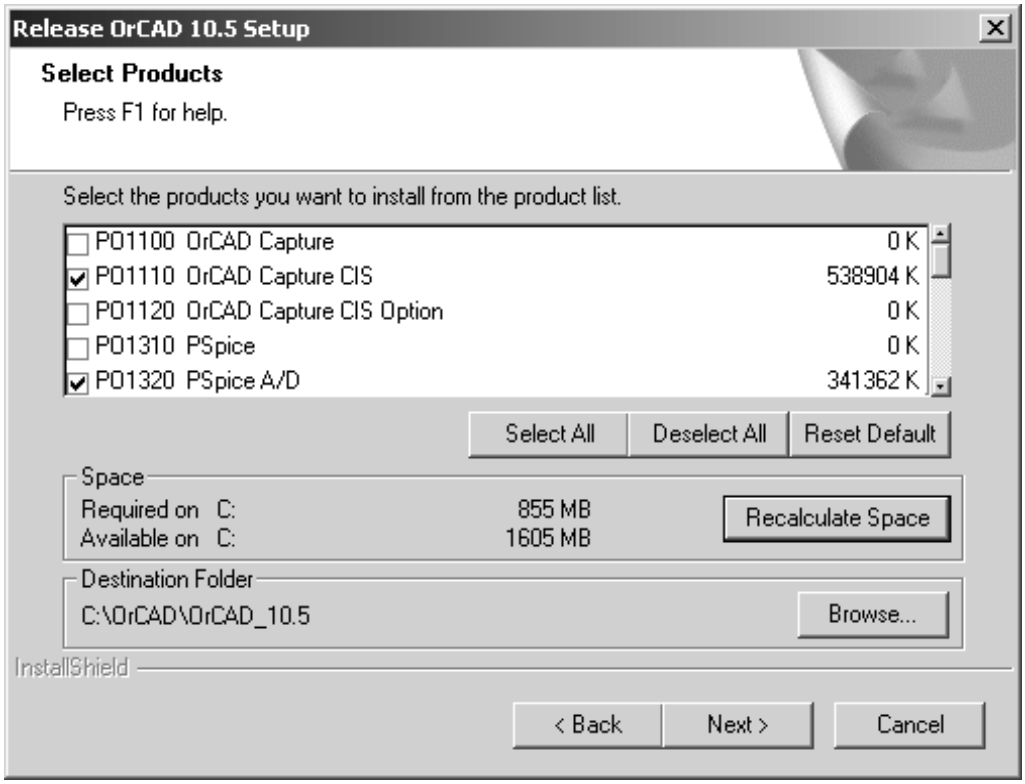


2. In the text field, specify the path to the control file you received from your local VAR, including the name of the control file. (You can use the text field's *Browse* button to locate the control file on your computer.)

   Note: You do not need to specify a control file. The text field for the control file location is blank unless you clicked *Yes* in the Install Products dialog box during *Set Up Licensing*. If so, the Installer uses the location of the license file as the basis for the search for the control file and the license file's path appears as the default control file location. Once you identify the control file location, it is used as the default location in subsequent installations and in Service Packs.

3. Click *Next.*

The Select Products dialog box appears.



4. Select the specific products you want to install by checking the boxes next to the product names.

Note: Consult the feature map you received from your local VAR (see Licensing Requirements on page 13) to determine which products you are actually licensed for. This will avoid installing products that will not run. If you supplied a control file in the Control File Location dialog box, you will see that all the products you are eligible to install are pre-selected for you in the Select Products dialog box. If you do not want to install all the products that are pre-selected, uncheck the products you do not want to install.

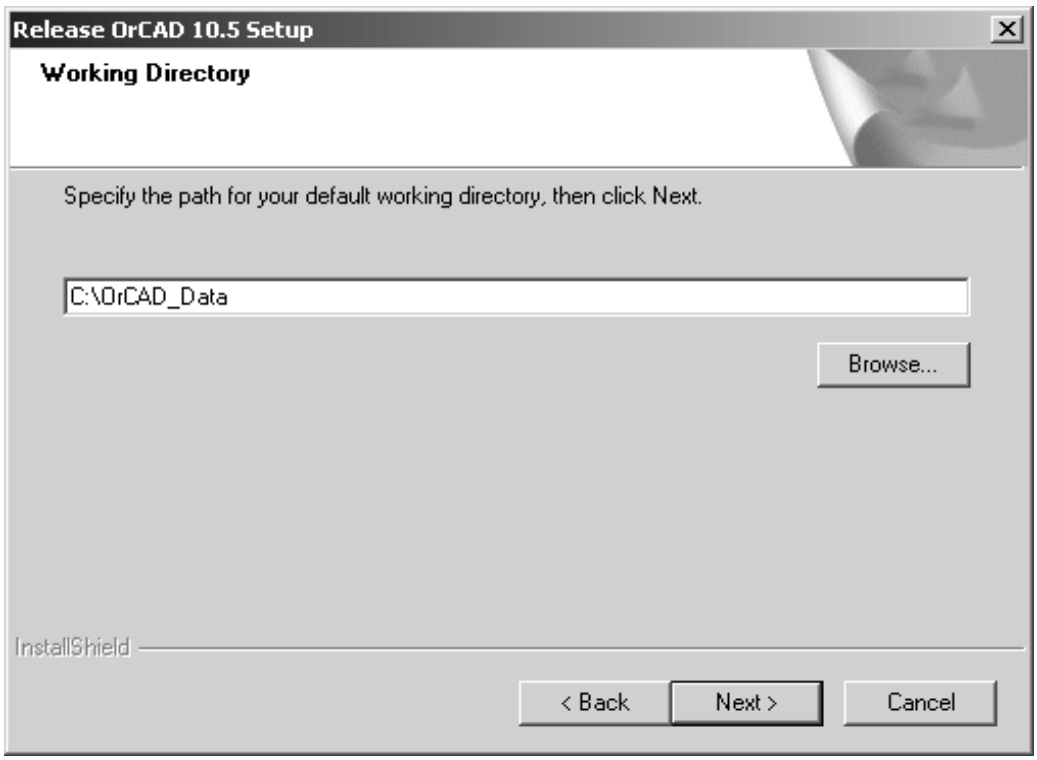
Note: The Installer warns you if the space required exceeds the space available. If this happens, you can either deselect some products or use the *Browse* button to specify a different drive. If this does not help, you may have to end the installation and "free up" some space on a hard drive, then restart the installation.

5. Click *Next*.

Specifying the Working Directory

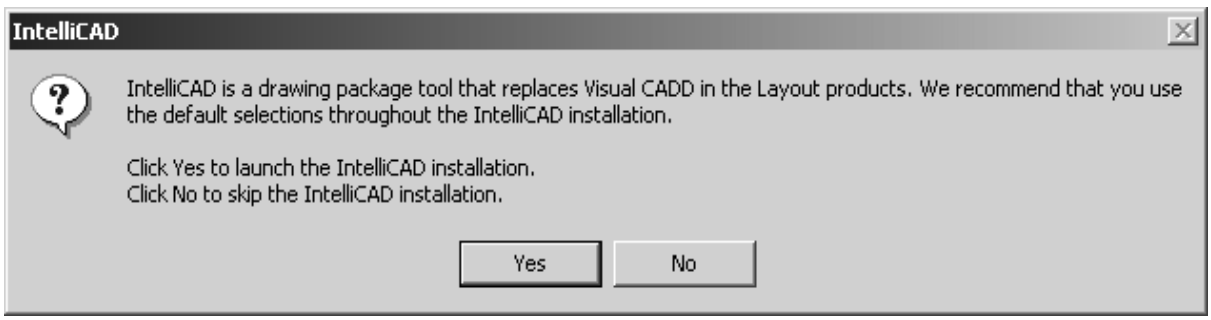
To Specify the Working (HOME) Directory

The Working Directory dialog box appears.



1. Specify a path for your default working directory (with no spaces in it) or accept the default directory.
2. Click *Next*.

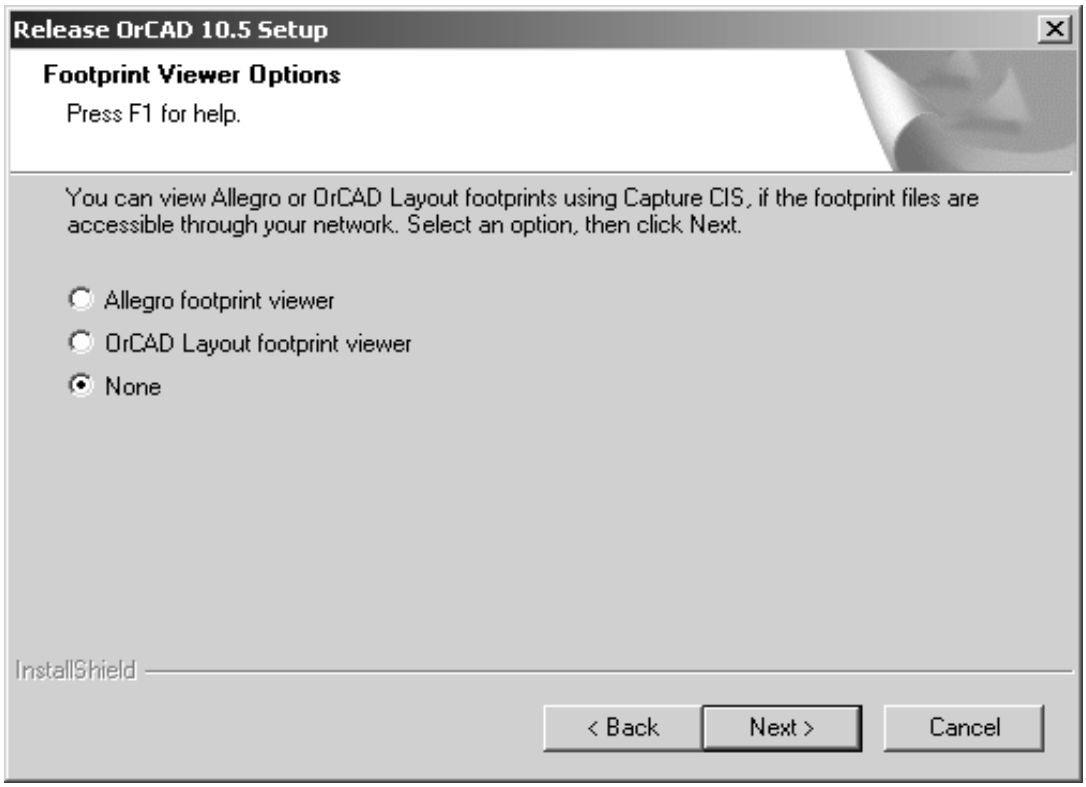
   Note: If you are installing OrCAD Layout, the IntelliCAD dialog box appears.



If you click *Yes*, you can install IntelliCAD at this point before proceeding with the rest of the OrCAD installation.

Choosing Product Options

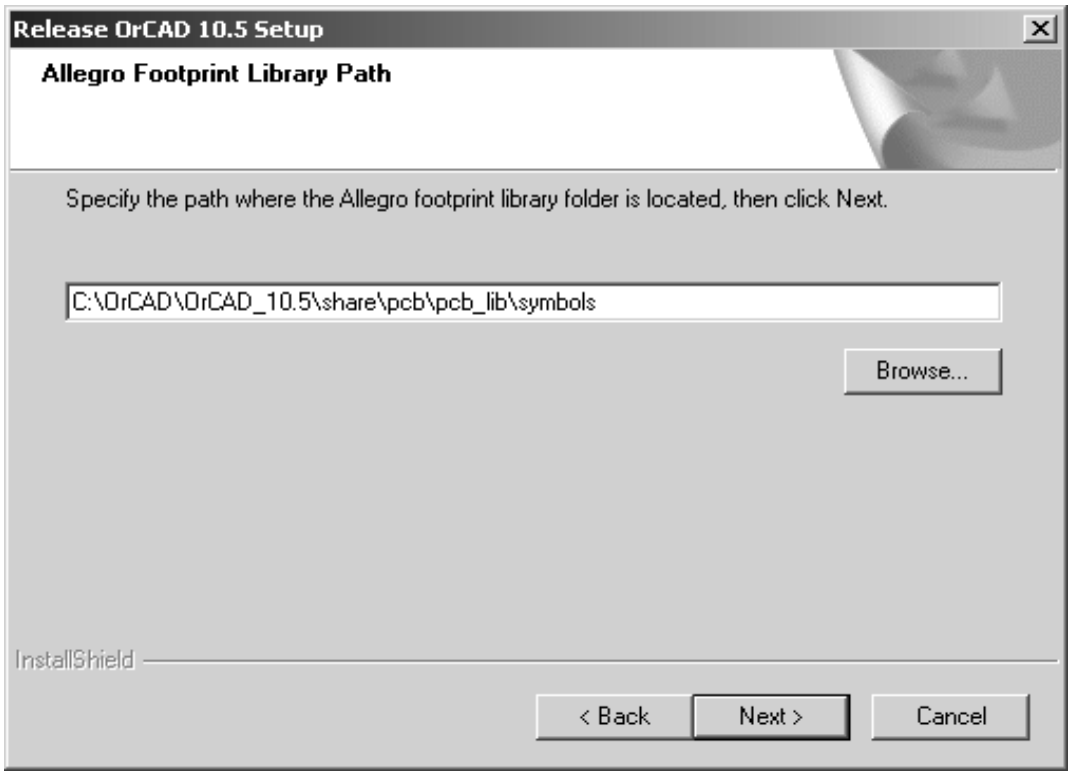
The Footprint Viewer Options dialog box appears.



Note: This dialog box only appears if you are installing OrCAD Capture CIS.

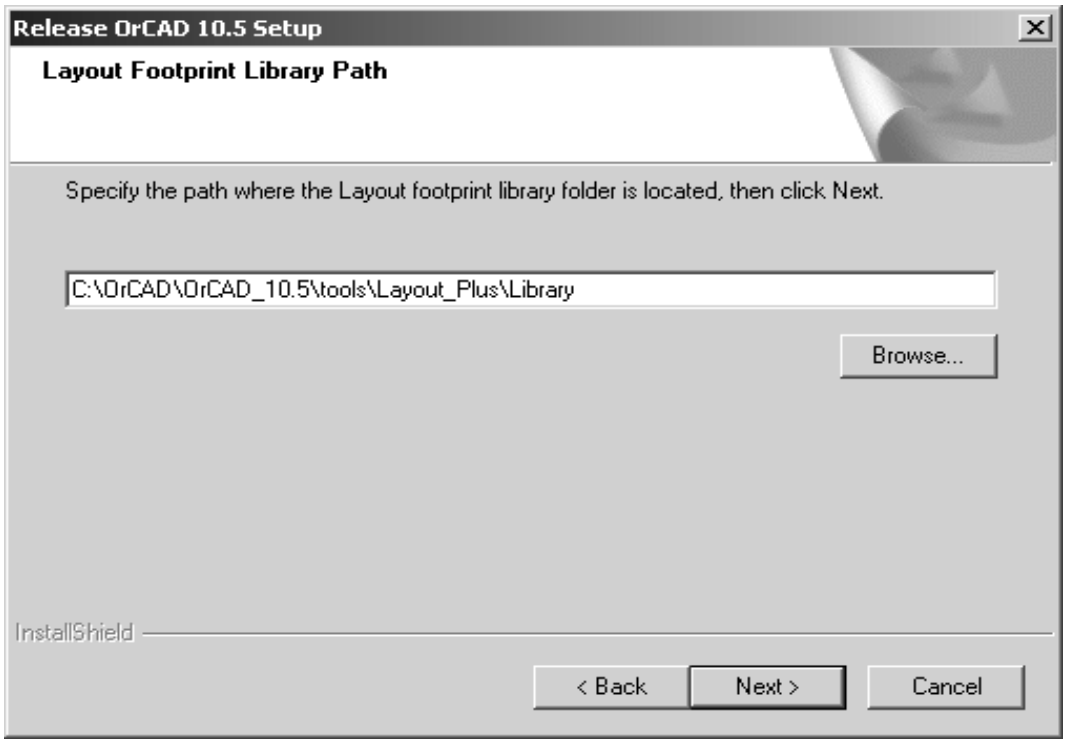
1. Choose the desired footprint viewer for either PCB Editor or OrCAD Layout, or choose *None* if you do not want to set up a footprint viewer.

a) If you choose *Allegro footprint viewer*, the Allegro Footprint Library Path dialog box appears.



Specify the library path, or use the *Browse* button to locate a folder.

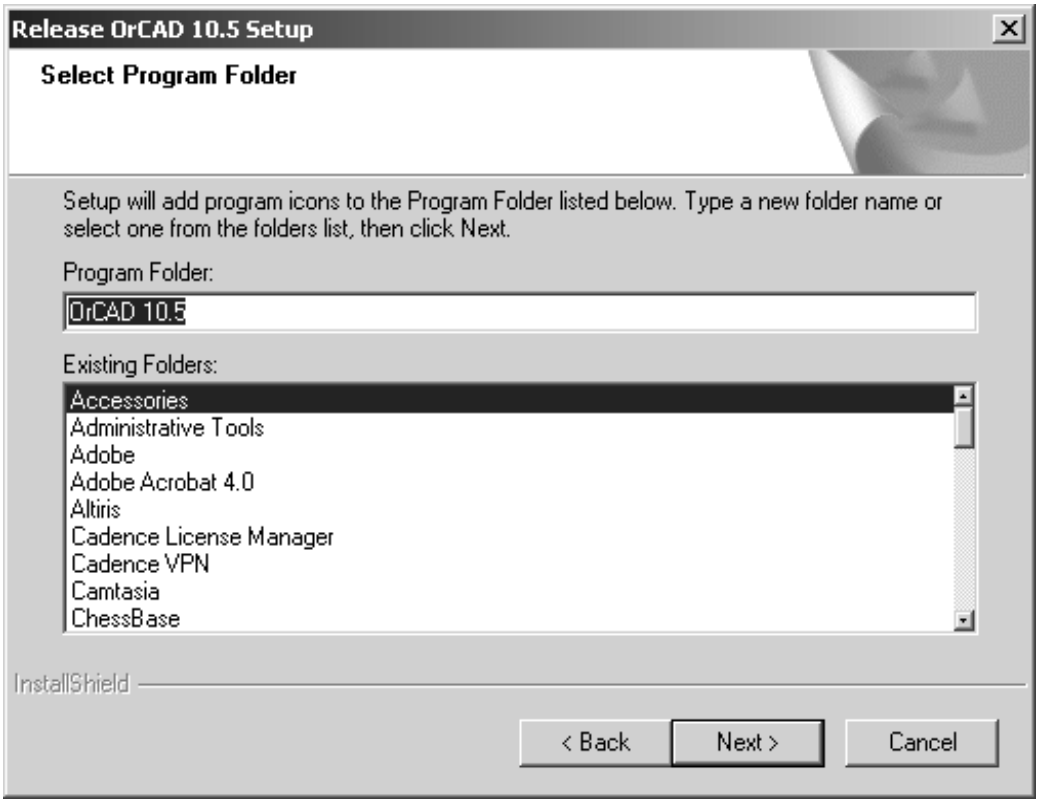
b) If you choose *OrCAD Layout footprint viewer*, the Layout Footprint Library Path dialog box appears.



Specify the library path, or use the *Browse* button to locate a folder.

2. Click *Next*.

The Select Program Folder dialog box appears.

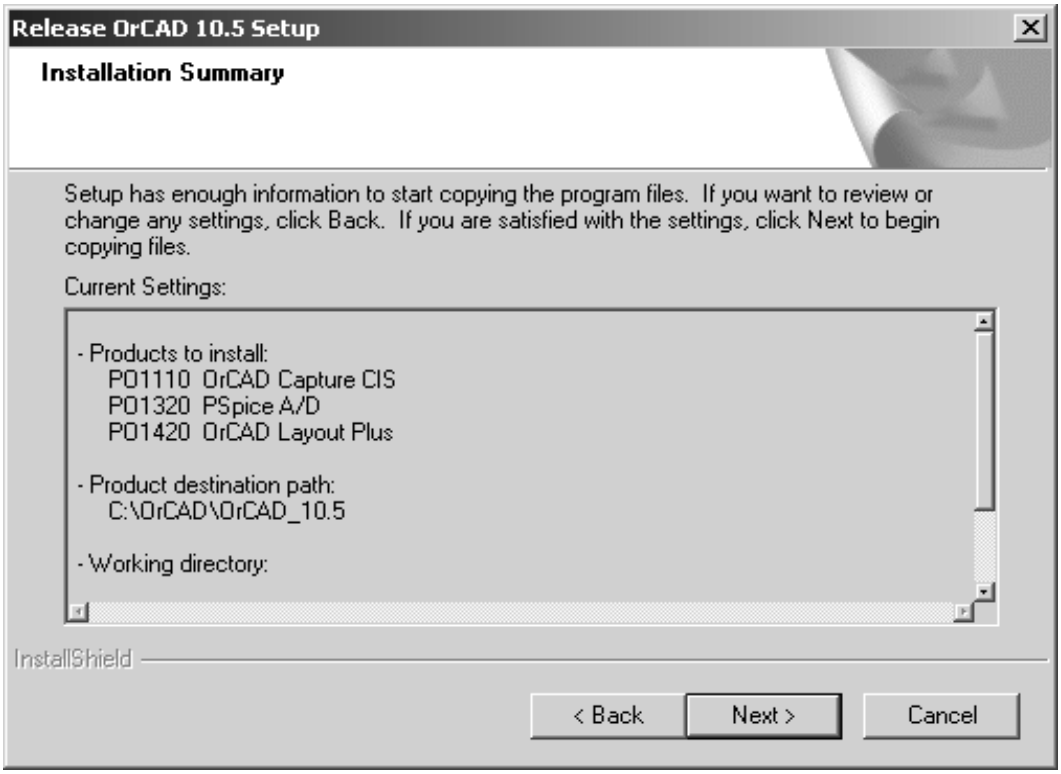


3. Specify a program folder (or leave the default folder), then click *Next*.

The files are installed.

Note: By default, the products are installed system-wide and are available to all users.

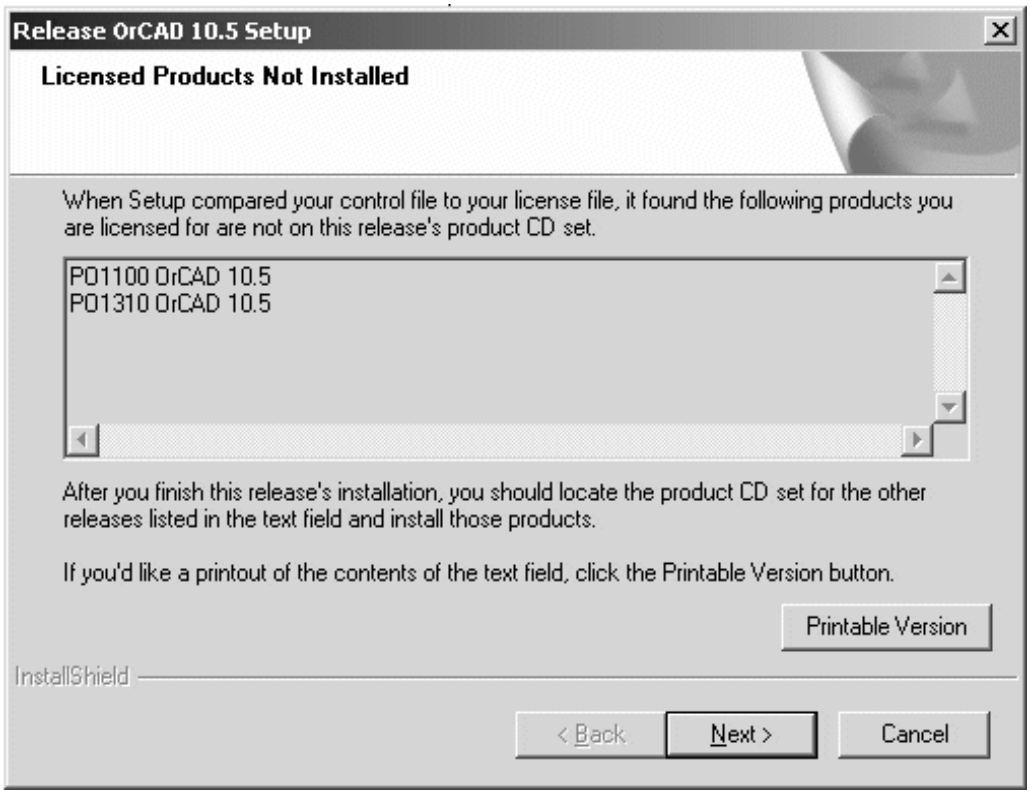
The Installation Summary dialog box appears.



4. Click *Next* if you are satisfied with the setings. (Click *Back* if you want to change any settings.)

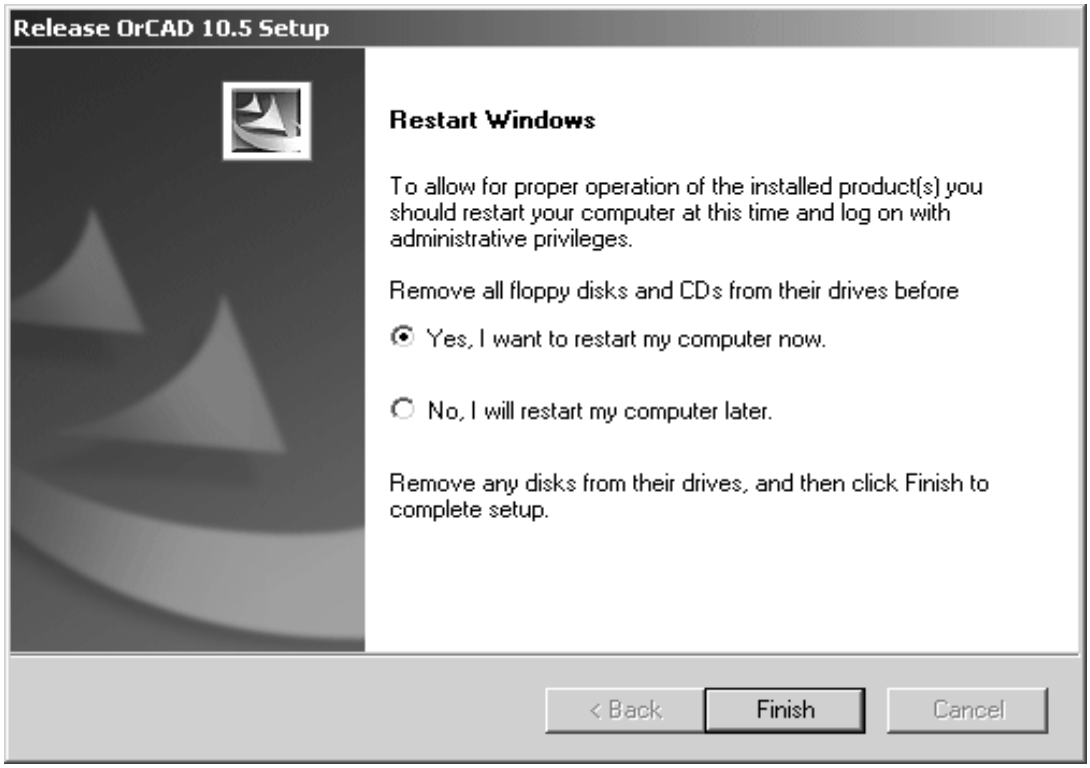
The files are installed.

The Licensed Products Not Installed dialog box appears if you do not install a product that is specified in the Control File (`controlfile.txt`).



5. Make note of the information, or click the *Printable Version* button to display the information in a text editor file that you can save to your computer, then click *Next*.

The Restart Windows dialog box appears.



6. Do one of the following:

- ❑ If you want to restart Windows at this time, enable *Yes, I want to restart my computer now.*

- or -

- ❑ If you want to wait and restart Windows at a later time, enable *No, I will restart my computer later.*

7. Click *Finish*.

Product installation is complete.

Special Tasks

This chapter discusses the following:

- Updating the License File on page 57
- Updating the Products on page 67
- Installing Remote Clients on page 67
- Uninstalling on page 75

Updating the License File

Running *Update License File* updates or changes your network licensing. Use this process if your current license file is about to expire, if you purchase additional licenses for products that you have already installed, or if you did not supply a license file during the running of *Set Up Licensing* (in the Install Options dialog box).

The FLEXlm version 8.2 (or later) License Manager requires the cooperation and coordination of the `LMGRD.EXE` file (a “License Manager daemon” provided by the makers of the FLEXlm License Manager software) with the `CDSLMD.EXE` file (a “vendor daemon” provided by your local VAR).

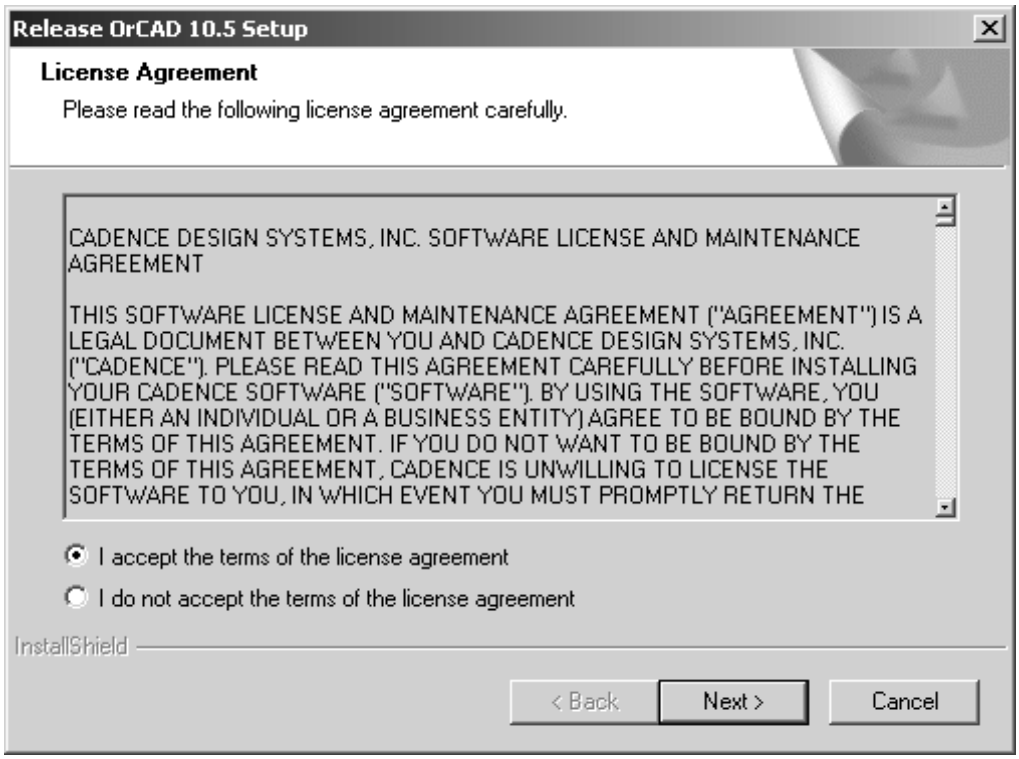
You will probably only have to change the port number specification of the License Manager daemon (`LMGRD.EXE`) in the *Port Number* text box (in the License Server dialog box or in the Redundant License Servers dialog box) on those rare occasions when you happen to have software other than OrCAD software that is licensing itself using a FLEXlm License Manager, and the other FLEXlm License Manager’s daemon happens to also be using OrCAD’s port number specification (usually, 5280). So that the two FLEXlm License Managers would not “collide,” you would have to change the port number specification of one of the FLEXlm License Managers to some number other than 5280.

You will probably have to change the path to the vendor daemon using the Path to `CDSLMD.EXE` text box (in the License Server dialog box or in the Redundant License Servers dialog box) when you receive a new license file from OrCAD, because the default path OrCAD inserts into the license file is `C:\Program Files\OrCAD\license_manager\CDSLMD.EXE` and your License Manager software is probably not installed at that particular location.

To Update the License File

1. Insert the first disk of the product CD set into your CD-ROM drive.

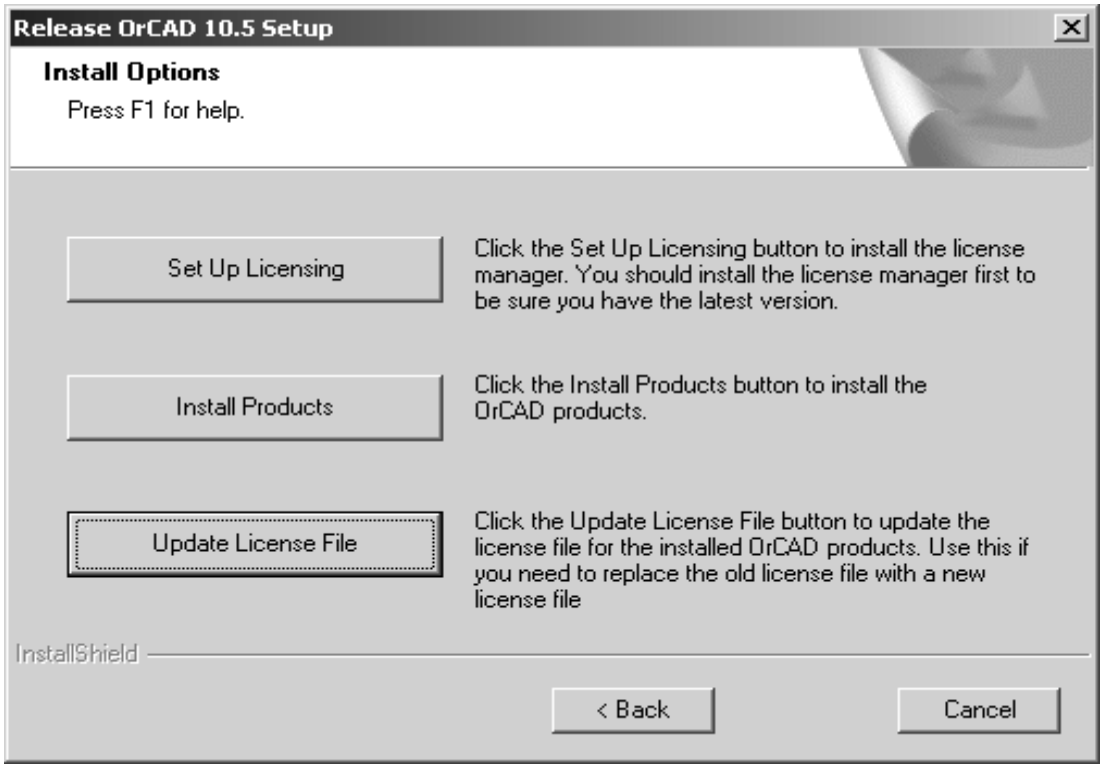
   The License Agreement dialog box appears.



2. Click *Yes* to accept the License Agreement.

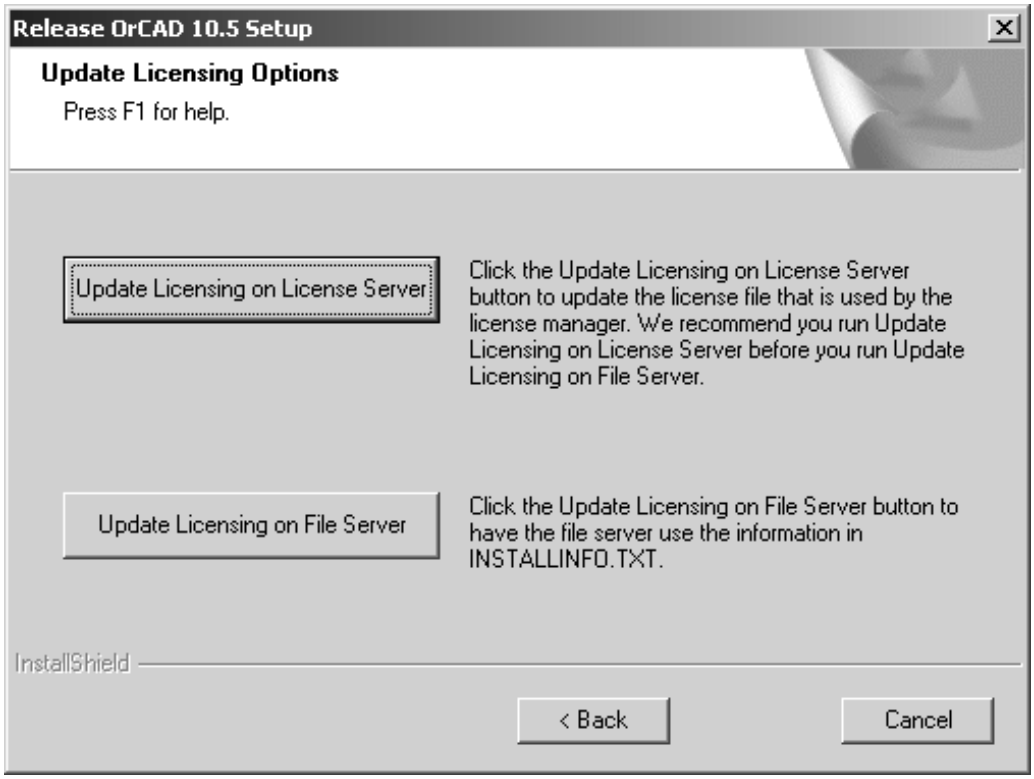
   Note: If you do not want to accept the License Agreement, click *No* to abort the installation process.

The Install Options dialog box appears.



3. Click *Update License File*.

The Update Licensing Options dialog box appears.



4. Click one of the two buttons, as explained below:

- Run *Update Licensing on License Server* to update the license file that the license server uses. This process updates the number of licenses and the expiration date, updates a license file with a different host name and/or port number, or adds additional product licensing to the license server.

  Note: You should run *Update Licensing on License Server* before you run *Update Licensing on File Server*.

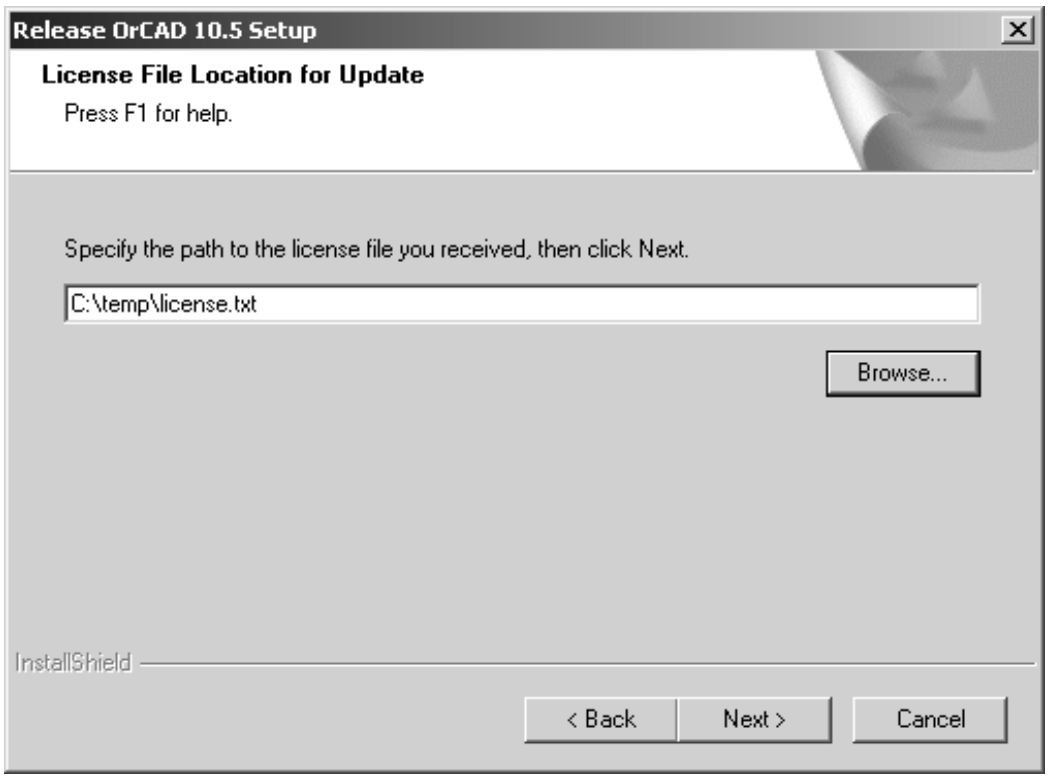
- Run *Update Licensing on File Server* to synchronize the license information on the file server with the updated license file on the license server. You should run *Update Licensing on File Server* after you run *Update Licensing on License Server*.

Updating Licensing on the License Server

To Update Licensing on the License Server

1. Click *Update Licensing on License Server* in the Update Licensing Options dialog box.

   The License File Location for Update dialog box appears.



2. In the text field, specify the path to the license file you received from OrCAD, including the name of the license file itself.

   Use the *Browse* button to locate the license file on your computer.

Tip

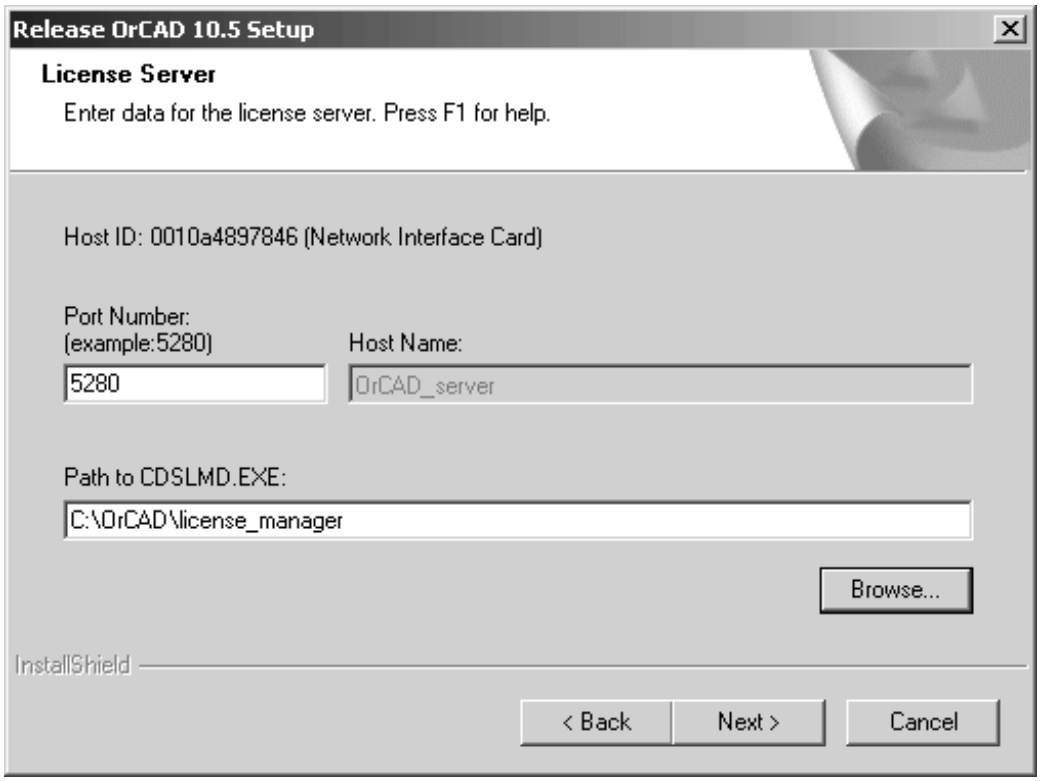
For more details about the license file, see Understanding OrCAD Licensing on page 13.

3. Click *Next*.

   Note: If you have a redundant license servers license file, the Redundant License

Servers dialog box appears after you click *Next.* Make the necessary changes in the Redundant License Servers dialog box (port number, host name, path to vendor daemon). After you click *OK*, confirmation and reminder messages appear.

The License Server dialog box appears.



Make any necessary changes in the License Server dialog box, as explained below:

- Change the port number specification of the License Manager daemon (`LMGRD.EXE`) in the *Port Number* text box.
- Change the host name of a license server in the *Host Name* text box.
- Change the path to the vendor daemon (`CDSLMD.EXE`) in the *Path to CDSLMD.EXE* text box.

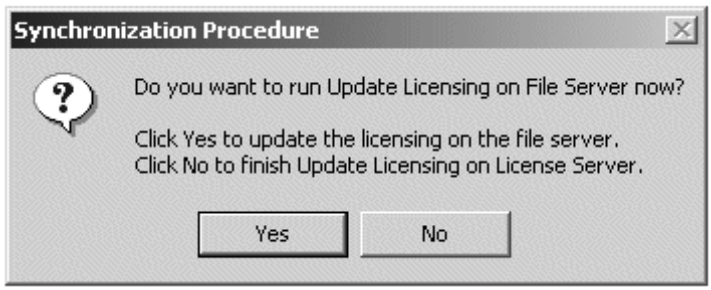
4. Click *Next*.

The following confirmation message appears:



5. Click *OK* to dismiss the message.

The Synchronization Procedure dialog box appears.

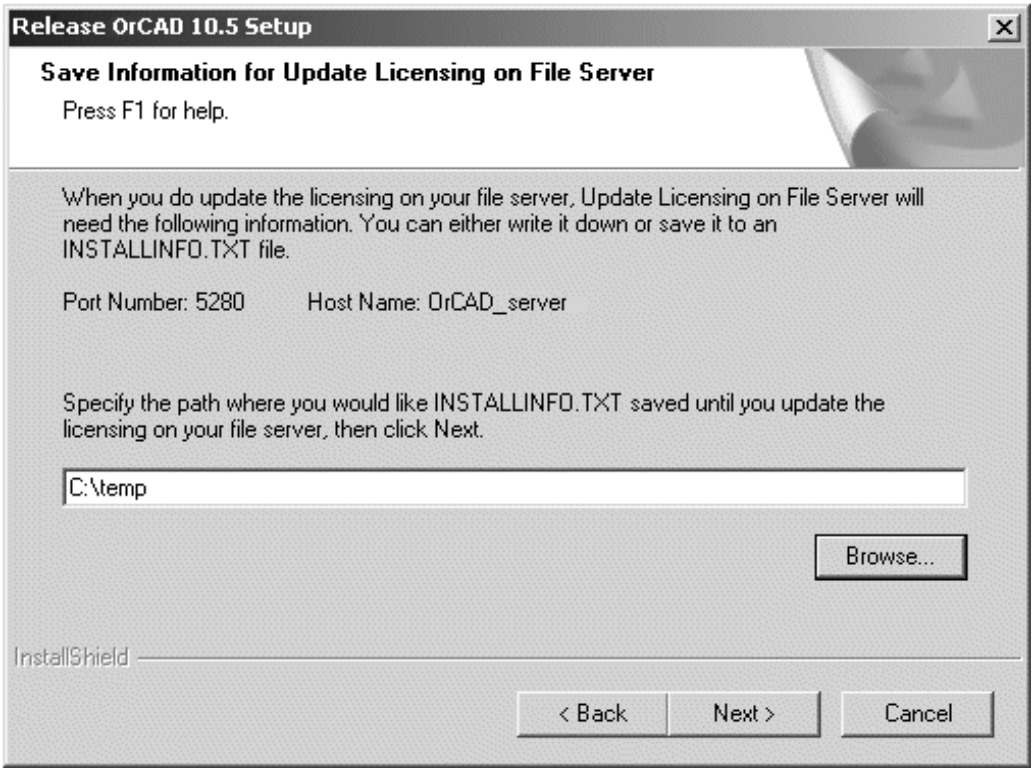


6. Click *Yes* to go directly to the process of updating the licensing on the file server. (See Updating Licensing on the File Server on page 64.)

-or-

Click *No* to save the update information for later use.

The Save Information for Update Licensing on File Server dialog box appears.



7. Specify a location to save `INSTALLINFO.TXT` and click *Next*.

Updating Licensing on the File Server

To Update Licensing on the File Server

1. Click *Update Licensing on File Server* in the Update Licensing Options dialog box.

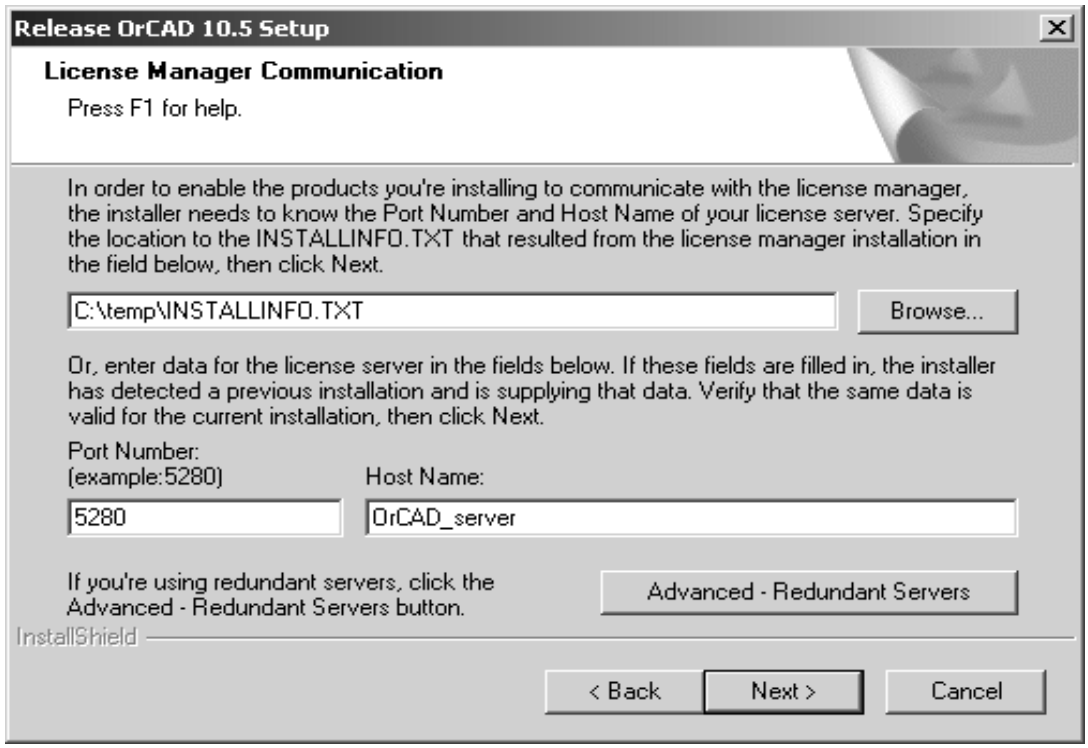
   The Update File Server Licensing dialog box appears.



Note: If you clicked *Yes* in the Synchronization Procedure dialog box during Update Licensing on License Server, the Update File Server Licensing dialog box does not display.

2. Click *Yes*.

The License Manager Communication dialog box appears.



Note:

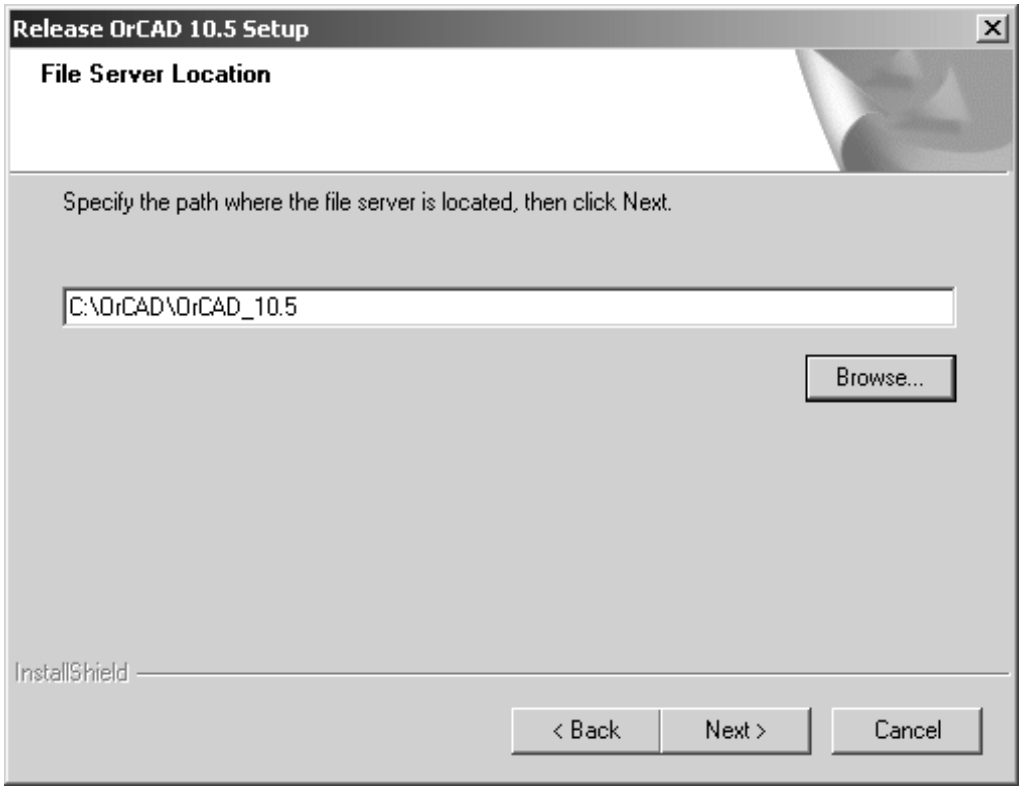
- If you have redundant license servers, that version of the License Manager Communication dialog box appears when you click *Yes*.
- If you click *No*, the installation takes you back to the Update Licensing Options dialog box, so you can run Updating Licensing on the License Server on page 61.

3. Supply the following information:

- The location of the `INSTALLINFO.TXT` file you saved when you ran either *Set Up Licensing* or *Update Licensing on License Server*.
- The port numbers and host names of the license servers in the *Port Number* and *Host Name* text fields.

then click *Next*.

The File Server Location dialog box appears.



4. Specify the path where the file server is located (location of `COMPNTS.DAT`), then click *Next*.
5. A confirmation message appears.



6. Click *OK* to dismiss the message.

   The process of updating the licensing on the file server is done.
7. Restart your computer after the licensing file has been updated.

Updating the Products

Installing Service Packs

After each main or “baseline” release, OrCAD begins developing Service Packs. These updates are based on each main release and contain bug fixes.

Windows updates only replace changed files on a full previous installation; you no longer have to uninstall your product to reinstall an update.

You can obtain update files and specific installation instructions through your local VAR. Update files have a version number like 10.5.0, where the last number will increment with each new update. Product updates are cumulative, so you need only obtain the latest version, even if your 10.5 software is a few revisions from the current version.

Installing Remote Clients

After installing the License Manager software on a license server (see Network Installation on page 15), and after installing the products on a file server (see Administrative File Server Installation on page 16), you can set up remote client computers using the `SETUP.EXE` that was created as a result of an administrative file server installation.

- You can run a remote client installation *interactively*, which involves clicking dialog box buttons and answering prompts during the installation process.
- You can run a remote client installation *automatically*, which involves first running a remote client installation interactively, during which your responses to dialog boxes and prompts are recorded. Then you run subsequent remote client installations automatically based on the saved information.

Note: Even though both sets of instructions for installing remote clients use the technique of mapping a drive to the file server, you can alternatively use a UNC path to specify the file server’s location.

Running an Administrative File Server Installation

To Run an Administrative File Server Installation

1. Insert the first disk of the product CD set into the CD-ROM drive on the file server. If the installation automatically begins, dismiss the splash screen containing the *Install Software*, *Browse Software*, and *View Readme* buttons.

2. Choose *Run* from the Start menu to display the Run dialog box.

   In the Run dialog box, type the path to the `SETUP.EXE` on the product CD disk, followed by `-admin`.

   For example, if your CD-ROM drive is E:, you would type:

   ```
   E:\SETUP.EXE -admin
   ```

   in the Run dialog box, then click *OK* to begin the administrative file server installation.

3. Verify that a `CLIENT_SETUP_10.5` folder is created in the destination folder you specified during the installation and that it contains a `SETUP.EXE` (along with a few other installation-related files).

Installing a Remote Client Interactively

To Install a Remote Client Interactively

1. Perform an administrative file server installation to create a `SETUP.EXE`.
2. On the computer you want to set up as a remote client, map one of its drives to the destination folder on the administrative file server.

   For example, if you specified a destination folder during the administrative file server installation as:

   ```
   C:\OrCAD\AdminFileServer
   ```

   you would map the remote client computer's drive to that *folder level*, not to `C:\OrCAD\AdminFileServer\CLIENT_SETUP_10.5`.

3. On the remote client computer, use the drive mapping to navigate to the `CLIENT_SETUP_10.5` folder on the administrative file server, then double-click on `SETUP.EXE`.

The License Agreement dialog box appears.



4. Click *Yes* to accept the License Agreement.

Note: If you do not want to accept the License Agreement, click *No* to abort the installation process.

A message about disabling virus detection programs appears.

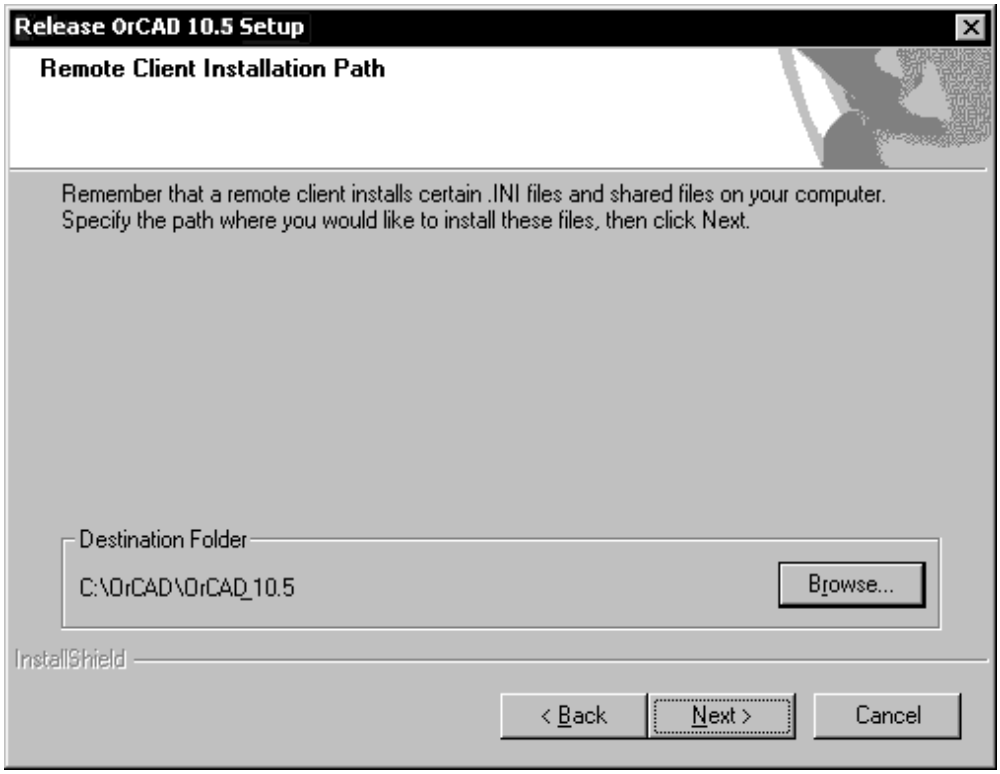


Important

Ensure that the computer's virus detection software is disabled, and that no other programs are running, before proceeding.

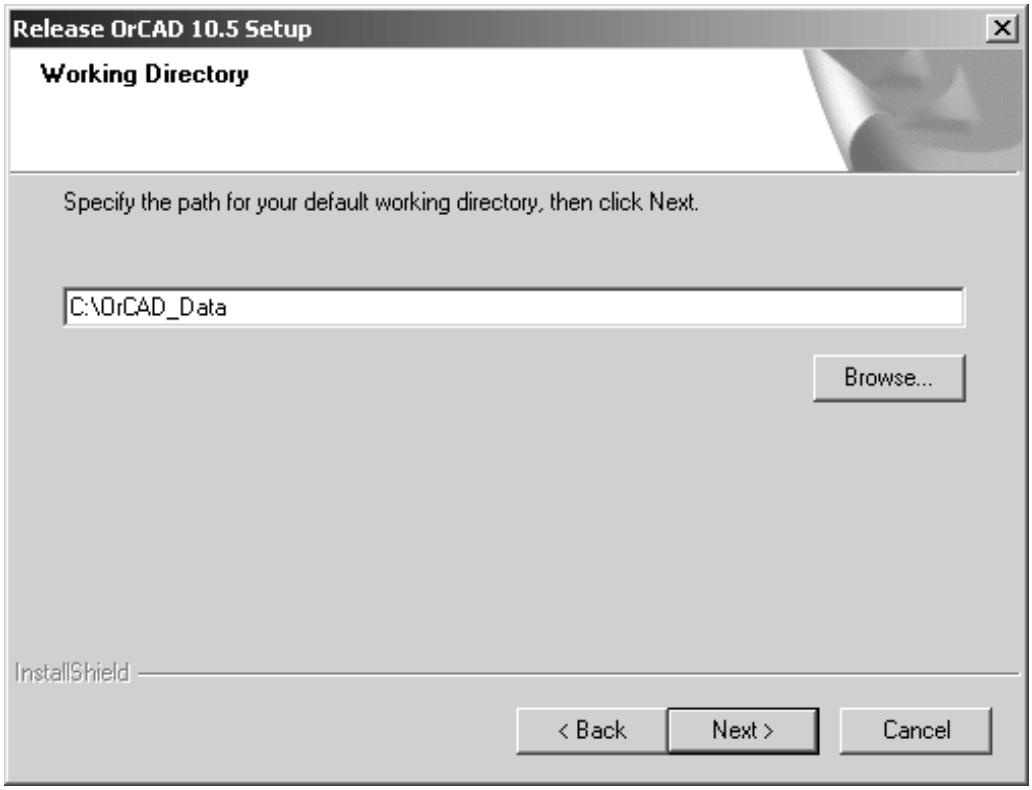
5. Click *OK* to dismiss the message.

The Remote Client Installation Path dialog box appears.



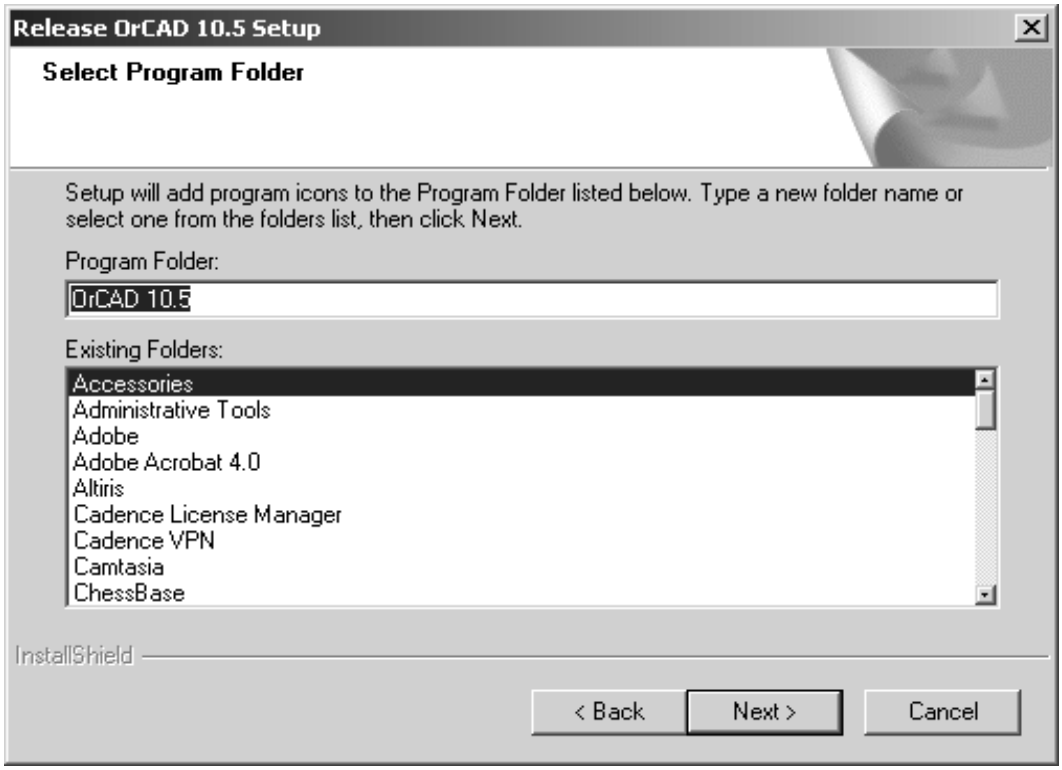
6. Specify a destination folder, then click *Next*.

The Working Directory dialog box appears.



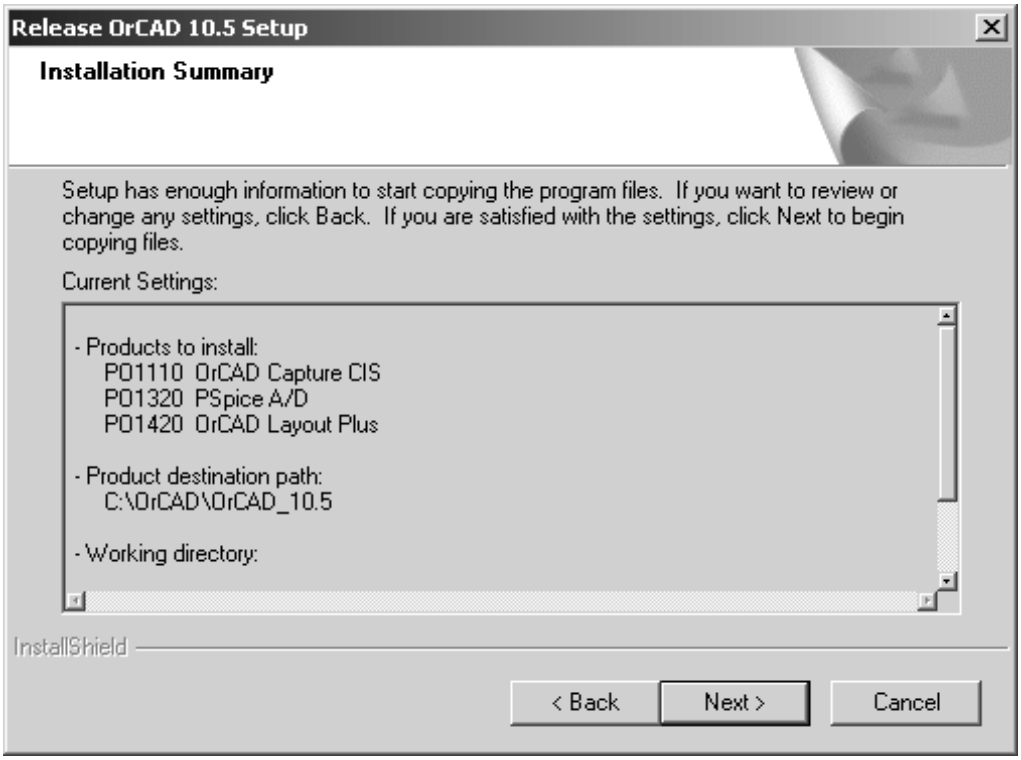
7. Specify a path (with no spaces in it), then click *Next*.

The Select Program Folder dialog box appears.



8. Specify a program folder, then click *Next*.

The Installation Summary dialog box appears.



9. Review the settings, then click *Next*.

The files are installed.

Note: In a remote client installation, you are not presented with a Select Products dialog box, because it is presumed that the remote client computer should be given access to all of the products you installed on the administrative file server. Therefore, all the administrative file server's products are listed in the *Products to install* category in the Installation Summary dialog box. The remote client computer is automatically given icons to access each product installed on the administrative file server.

Installing a Remote Client Automatically

To Install a Remote Client Automatically

1. Perform an administrative file server installation to create a `SETUP.EXE` file.

2. Go to the computer you want to set up as a remote client and map one of its drives to the destination folder on the administrative file server.

For example, if you specified a destination folder during the administrative file server installation as:

```
C:\OrCAD\AdminFileServer
```

you would map the remote client computer's drive to that *folder level*, not to `C:\OrCAD\AdminFileServer\CLIENT_SETUP_10.5`.

3. On the remote client computer, choose *Run* from the Start menu to display the Run dialog box.
4. In the Run dialog box, type the path to the `SETUP.EXE` on the administrative file server, followed by a space, then `-r`, then click *OK*.

   For example, in the Run dialog box, you would type:

   ```
   \\Server1\OrCAD\AdminFileServer\CLIENT_SETUP_10.5
   \SETUP.EXE -r
   ```

5. Go through the remote client installation as detailed in steps 4 through 9 in Installing a Remote Client Interactively on page 68.

   The `-r` switch you entered after `SETUP.EXE` in the Run dialog box assures that each mouse click and keyboard entry is recorded in `SETUP.ISS` as you go through the steps interactively.

6. Navigate to the remote client computer's `WINNT` folder for Windows 2000 (or `WINDOWS` folder For XP Pro), locate the file named `SETUP.ISS` and copy it to the `CLIENT_SETUP_10.5` folder on the administrative file server.
7. On any remote client computer, map a drive (for example, `M`) to the administrative file server

   ```
   \\server1\ OrCAD\AdminFileServer
   ```

   and run `silent_install.bat` in the `CLIENT_SETUP_10.3` directory:

   ```
   M:\CLIENT_SETUP_10.3\silent_install.bat
   ```

   When the silent installation has completed, a log file named `SETUP.LOG` is created on the client side in the directory `C:\TEMP`. This file records whether an installation was successful, and it logs any error codes that are returned. (A setup program running silently does not display any dialog boxes, even if an error occurs.) Check the log file to verify the state of the installation. The following codes indicate the results:

Log File Code	Meaning
resultCode = 0	The installation succeeded.
resultCode = -5	The `SETUP.ISS` response file could not be found.
resultCode = -3	The `SETUP.ISS` response file is missing information.

Synchronizing Licensing on a Remote Client

If you have updated the license file, you need to synchronize the license file on a remote client computer with the updated license file on the license server. To do this, you must first perform the following:

- Updating Licensing on the License Server on page 61
- Updating Licensing on the File Server on page 64

To Synchronize Licensing on a Remote Client

1. From the Start menu, point to *Programs*, point to the program group you specified during the remote client installation, then choose *Synchronize Licensing With Server*.
2. A confirmation message appears.



3. Click *OK* to dismiss the message.

   The process of synchronizing the licensing on the remote client is done.

Uninstalling

Note: If you perform a series of installations, uninstallations, and reinstallations, you run the risk of corrupting the CDS_LIC_FILE environment variable on the file server or on the remote

client computer. If this variable is corrupted, you may be unable to run any products that are still installed. For example, if you had a previous OrCAD release installed, then installed and uninstalled a new release, you may be unable to run any products from the previous OrCAD release. Once the CDS_LIC_FILE environment variable is corrupted, the only remedy is to manually edit the environment variable and reset its value to reflect the license server information, in the form of *<port_number>@<host_name>*. For example, the value of the CDS_LIC_FILE environment variable for a single license server might be:

```
CDS_LIC_FILE = 5280@pc1
```

and for redundant license servers, it might be:

```
CDS_LIC_FILE = 5280@pc1;5280@pc2;5280@pc3
```

Uninstalling the License Manager

To Uninstall the License Manager

1. From the *Start* menu, choose *Programs*, choose *Cadence License Manager*, then select *Uninstall Cadence License Manager* from the Cadence License Manager program group.

   The Confirm Uninstall dialog box appears.

2. Click *OK* to continue the uninstall process.

Uninstalling the Products

To Uninstall the OrCAD products

1. From the Start menu, choose *Programs*, then select *Uninstall OrCAD 10.5 Products* from the OrCAD 10.5 program group.

   The Confirm Uninstall dialog box appears.

2. Click *Yes* to continue the uninstall process.

To Uninstall the File Server and Remote Client

The file server is a true server without a start menu, registry entries, or environment setup. You must use the Add/Remove Programs feature of the Windows Control Panel in order to uninstall the file server and remote client.

For remote client (interactive mode and silent mode), you can use the Start menu and select *Uninstall OrCAD 10.5 Products* from the OrCAD 10.5 program group.

Getting Help

This chapter discusses the following:

- Frequently Asked Questions on page 79
- Requesting a License on page 80
- Service Pack Information on page 80
- Customer Support on page 81

Frequently Asked Questions

How do I uninstall the Release 10.5 software manually?

1. Browse the Release 10.5 installation CD and open the file `SETUP.INI` in the root directory to get the unique GUID. Use this GUID in the following step.
2. Delete the directory:

   `C:\Program Files\InstallShield Installation Information\`*`{GUID}`*

   Note: This directory is hidden. If you cannot see it from Windows Explorer, click *Tools — Folder — Option — View — Show hidden files and folders*.
3. Remove the following InstallSheild registry entry:

   `HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Uninstall\{GUID}`
4. Remove the target directory.
5. Remove the program folder.

How can I install Release 10.5 into different locations with the same CD image from the same machine?

Release 10.5 does not support installation into different locations.

Note: When you run the installation for the second time with the same CD on the same machine, the target directory cannot be changed. This is the correct behavior for this release.



You should not attempt to modify the registry information. If you modify the registry, the update process will not work.

How can I set up the environment again (start menu, registry entry, .INI file, branding OrCAD products, etc.) without installing additional products?

Use the same base CD image and go through the whole installation process again. Click *Next* in each dialog box to proceed.

Requesting a License

If you need to change your license (for instance, you want to purchase additional products), or if you need additional licenses for other users, contact your local OrCAD Value Added Reseler (VAR).

To Find Contact Information for Your Local VAR, Go To:

http://www.orcad.com/contacts

Service Pack Information

Service Packs are made available periodically after a main release ships. These typically contain bug fixes and minor performance or functional enhancements based on the current main release.

The OrCAD software update process works on an "as-requested" model. You must contact your local VAR in order to be alerted about an update. Under this process, you will receive an email when selected product updates are available. These emails will contain a link to an online order form. When you are ready to receive and install the release, complete and submit your order.

Note: You must have a current maintenance agreement to be eligible for software updates.

Windows updates only replace changed files on a full previous installation; you no longer have to uninstall your product to reinstall an update.

You can obtain update files and specific installation instructions through your local VAR. Update files have a version number like 10.5.0, where the last number will increment with each new update. Product updates are cumulative, so you need only obtain the latest version, even if your 10.5 software is a few revisions from the current version.

Customer Support

OrCAD Customer Support is available through your local VAR. There are specific email addresses, phone and FAX numbers for different regions of the world. The following website provides contact details for your particular area.

To Find Contact Information for Your Local VAR, Go To:

http://www.orcad.com/contacts