



Release Document

Alliance NT Beta 1 Release Document

February 1997

Read This Before Installation

Chapter 1

Introduction

Welcome to the Alliance NT Beta 1 software from Xilinx. This release note supports the following products.

- Alliance NT Beta 1 software including the Viewlogic CAE Libraries
- Xilinx online documentation

Product Description

The Alliance NT Beta 1 software is based on the new XACT/Foundry Merged software and most of the features from that software are included. The software operates on Windows NT 4.0.

The graphical user interfaces supported in this release are the Design Manager, Flow Engine, Template Manager, Timing Analyzer, Hardware Debugger, EPIC, LogiBLOX, and PROM File Formatter.

Contents

The Development System (DS) product you received contains software and documentation on two CDs.

The Xilinx software for the PC platform is provided on one CD-ROM. It consists of the following.

- Installation Program
- NT Beta 1 version of the Xilinx core software tools
- NT Beta 1 version of the Viewlogic interface software
- DynaText browser

Documentation

A second CD-ROM contains Xilinx online documentation, DynaText online documentation, and the DynaText browser.

The following Xilinx online documentation supports the Xilinx Alliance NT Beta 1 software.

- *Development System Reference Guide*
- *Libraries Guide*
- *Logiblox Reference/User Guide*
- *Hardware Debugger Reference/User Guide*
- *EPIC Design Editor Reference/User Guide*
- *PROM File Formatter Reference/User Guide*
- *Design Manager/Flow Engine Reference/User Guide*
- *Viewlogic Interface/Tutorial Guide*
- *JTAG Programmer Guide*

DynaText online documentation is also supplied. These documents explain how to use the DynaText browser to view online documents.

- *Reader Guide*
- *Tutorial*
- *Shuttle Press Kit*

Note: The DynaText online documentation cannot be accessed in this software release.

Online help is also available for the EPIC editor.

Supported Devices

The Alliance NT Beta 1 software supports the following device families:

- XC4000E
- XC4000EX/XL

Chapter 2

Installing Alliance NT Beta 1 Software

This chapter describes how to install the Alliance NT Beta 1 Software on PCs.

To control access to the Alliance NT Beta 1 software, the Xilinx security system software must also be installed. This security system must be installed on networked installations or standalone installations. After completing installation, refer to the “Setting Up Security” section for details.

System Requirements

Following are the system requirements for the Alliance NT Beta 1 release.

Type of PC:

IBM-compatible Pentium class-machine recommended. 486 PC acceptable

Operating System: Windows NT 4.0

System Memory (RAM) and Swap Space:

The following table indicates the recommended memory for implementing FPGA and CPLD designs. Memory requirements are environment and design dependent. The operating system adds additional memory overhead, as do any active applications. Some designs can be implemented using less than the specified memory while other complicated or large designs may require additional memory.

Table 2-1 Windows Personal Computers, Windows NT 4.0

Required Memory	Required Swap Space	Devices
16 MB (Base)	28 MB	XC7300 (Small Devices)
32 MB	44 MB	XC4003E - XC4008E XC4005L - XC4013L XC7300 (Large devices) XC9500 (Small devices)
64 MB (Standard)	76 MB	XC4010E - XC4025E XC4028EX - XC4036EX XC4028XL - XC4036XL XC9500 (Medium devices)
128 MB (High Density)	140 MB	XC4044XL- XC4062XL XC9500 (Large devices)

Note: When virtual memory is running out, the following message displays:

System Process - Out of Virtual memory. Your system is running low on virtual memory. Please Close some applications. You can then start the system option in the Control Panel and choose the Virtual Memory button to create an additional paging file or to increase the size of your current paging file.

You must have NT Administrator permissions to alter the paging file.

Hardware and software requirements for installing Alliance NT Beta 1 on PCs are:

Required Disk Space For Devices and Executables:

Core executables: ~250 MB

Xilinx 4000E Devices: ~45 MB

4003E, 4005E, 4006E, 4008E, 4010E: ~20 MB

4013E, 4020E, 4025E: ~18 MB

Xilinx 4000EX Devices: ~29 MB

Xilinx 4000XL Devices: ~73 MB

Xilinx 7300 Devices: ~1MB

Xilinx 9500 Devices: ~2 MB

Viewlogic Interface and Libraries: ~17 MB

LogiBLOX Interface and Libraries: ~1 MB

Documentation:

Online Documentation: ~127 MB

DynaText Browser: ~10 MB

Online help: ~1.5 MB

Online training: ~9 MB

Xilinx Userware: ~.15 MB

Directory Permissions:

Write permissions must exist for all directories containing design files to be edited.

Monitor:

Color VGA operating at one of these modes:

Minimum Resolution -- 640 x 480

Minimum Recommended -- 1024 x 768

Mouse:

2-button (Microsoft Windows compatible) or 3-button (Microsoft Windows compatible). On a 3-button mouse, the middle button is not used.

CD-ROM Drive:

ISO9660 drive needed if installing the Alliance NT Beta 1 software from CD-ROM.

Ports:

Two ports (one for a pointing device and one parallel port for the parallel download cable, if needed)

Network Compatibility:

The Xilinx installation program supports both Novell and TCP-IP networks; however, if you install software from a CD-ROM using a Novell network, you must use Novell 3.12 or later.

Installing Core Tools Software

This section explains how to install the core tools software on a Windows NT 4.0 using CD 1. This CD contains Xilinx core tools (Base and Full) with translation programs (EDIF, SDF).

During installation, changes are made to the Registry. You can also choose whether you want to set up the XILINX and XILINX_CD variables. Refer to the “Registry Entries” appendix for details.

No items are uninstalled when installing software.

Xilinx recommends that you have System Administrator permissions to install the software.

1. Ensure that your system meets the requirements described in the “System Requirements” section.
2. Insert the core technology CD-ROM into your CD-ROM drive. Determine the source drive letter, *drive*, for example, d. Select **Start** → **Run**. Type *drive:setup.exe* in the Open field of the Run window and click OK.
3. Follow the instructions in each of the windows. Some basic information that you need to install the software is described in the following paragraphs.
 - Your serial number is printed in the lower right hand corner of the barcode label attached to the outside of the shipping package.
 - Typical Installation

If you select this option, you will be able to choose from one of four install scenarios: Base Product, Base Product with Viewlogic, Standard Product, and Standard Product with Viewlogic.

- Base Product

Selecting this option installs a set of small FPGAs and CPLDs. The devices include the XC4003E and XC4005E. All online documentation, which includes the DynaText browser, online help, training, and userware, is also installed.

- Base Product with Viewlogic

Installs the Base Product and the Xilinx Viewlogic software component from the CD. The Viewlogic component contains only the CAE Interface and Libraries. The Viewlogic EDA/schematic tools are not provided.

- Standard Product

Selecting this option allows you to choose from a list of software and devices for install:

Core Executables

LogiBLOX

XABEL

XC4000E (2 sub-components)

(XC4003E, XC4005E, XC4006E, XC4008E, XC4010E)

(XC4013E, XC4020E, XC4025E)

XC4000EX

XC4000XL

Online documentation (4 sub-components)

Online help

Documentation browser (DynaText)

Xilinx training files

Xilinx userware

Unlike the Base Product option, you can choose selected items for install.

- Standard Product with Viewlogic

Installs the Standard Product and the Xilinx Viewlogic software component from the CD.

The Viewlogic component contains only the CAE Interface and Libraries. The Viewlogic EDA/schematic tools are not provided.

- Lab Machine Installation

Select this option if you are planning only to use your system to download software to a device. If you select this option, a

screen displays allowing you to choose the PROM File Formatter, Hardware Debugger, and JTAG CPLD Programmer for install.

- Run from CD or Network

This option is not supported in this release.

- For any install option, you can select to set up the environment variables, XILINX and XILINX_CD, and the path statement in the Registry for Windows NT. For a description of these changes, see the “Registry Entries” appendix for details.
- The NT install program uses the NT accessory WORDPAD.EXE to call up the README files that are created on both the Alliance NT Beta 1 and the Documentation Beta 1 CD. This is a program that is installed by default (like NOTEPAD) on both NT and 95.

Several icons are added to the Program folder when installation is complete. These icons include Design Manager, LogiBLOX, DynaText browser, the Readme file, and Uninstall Alliance. You can access the Xilinx Core Technology via the Design Manager.

Installing Online Documentation and the DynaText Browser

This section describes how to install the Xilinx online documentation, and the DynaText browser. This section also explains how to access the online documentation from a CD-ROM or network.

The CD contains the following software:

- Xilinx online manuals
- EBT books
- DynaText browser

During installation, changes are made to the Registry. Refer to the “Registry Entries” appendix for details.

1. Ensure that your system meets the requirements described in the “System Requirements” section.

2. Insert the online documents CD-ROM into your CD-ROM drive. Determine the source drive letter, *drive*, for example, d. Select **Start** → **Run**. Type *drive:setup.exe* in the Open field of the Run window and click OK.
3. Follow the instructions in each of the windows. Some basic information that you need to install the online documentation is described in the following paragraphs.

- **Typical Installation**

Select this option to install the Xilinx online documents, the EBT books, the DynaText browser, and the core online book files onto your hard disk drive. You must install the documents in the same directory that you installed the Xilinx core tools software.

If you installed the browser when installing Alliance core tools software, do not reinstall the browser.

- **Run from CD or Network**

Select this option if you plan to access documentation from the CD or from the network.

Note: When installing the Run from Network or CD option, a dialog box displays indicating a Setup Initialization Error. Click OK. The installation will continue correctly.

Setting Up the DynaText Browser on PCs

The browser and the DynaText online documentation are installed in %xilinx%/data/ntdtext unless specified otherwise. The DynaText online documentation is installed in the %xilinx%\doc\usenglish\books directory unless specified otherwise.

System Requirements

The system requirements for the DynaText browser are as follows:

- IBM PC or compatible PC with an 80486 25 Megahertz processor or greater
- Windows 95 or Windows NT 4.0
- Minimum of 12 MB of RAM, 16 MB recommended
- VGA Monitor, SVGA recommended

Setting Up the DynaText Environment

The following subsections discuss the XILINX environment variables and the dynatext.ini file.

Setting Up the Xilinx Environment Variables

When you install the Xilinx core tools software, you can automatically set up the environment variables, XILINX and XILINX_CD, in the Registry. See the “Registry Entries” appendix for details. The XILINX variable is set to point to the path where the software is installed. The XILINX_CD variable points to the CD-ROM path, which is usually d: or to a directory on the network. The specific value of each of these variables is entered into the dynatext.ini file. Following is an example of a dynatext.ini file. Environment variable substitution in the dynatext.ini file adheres to the UNIX convention of using the \$ symbol, for example, \$XILINX\data.

```
; dynatext.ini configuration file
; *****
COLLECTION=$XILINX\data\ntdtext\ebt_books=EBT Books
COLLECTION=$XILINX\doc\usenglish=Xilinx books
COLLECTION=$XILINX_CD\doc\usenglish=Xilinx books (CD)
DATA_DIR=$XILINX\data\ntdtext\data
```

If you have not installed the Xilinx core tools software or decided not to set up the XILINX and XILINX_CD variables during install, then these variables have not been set up in the Registry. In that case, the default paths are assigned. The default paths are as follows:

```
COLLECTION=C:\Xilinx\doc\data\ntdtext\ebt_books=EBT Books
COLLECTION=C:\Xilinx\doc\data\doc\usenglish=Xilinx books
COLLECTION=D:\Xilinx\doc\usenglish=Xilinx books on CD
DATA_DIR=C:\Xilinx\doc\data\ntdtext\data
PUBLIC_DIR=C:\Xilinx\doc\data\ntdtext\tmp\public
PRIVATE_DIR=C:\Xilinx\doc\data\ntdtext\tmp\public
```

Note: If DynaText is being run from the CD-ROM, the PUBLIC_DIR and PRIVATE_DIR variables need to be set to a writable location.

Customizing the dynatext.ini File

The dynatext.ini file, which is located in %xilinx%\bin\nt, sets up the DynaText environment. Normally, you do not need to alter any of your settings in the dynatext.ini file; however, you can customize several DynaText variables by altering this file. Following is a description of required variables.

COLLECTION	Set to the directory or directories where the Xilinx and DynaText books are located. The name as it appears in the DynaText Library window is set by using the equal sign to point to the collection directory path followed by another equal sign to point to the user-defined collection name.
DATA_DIR	Set to the location of the EBT data files (\$XILINX\data\ntdtext\data).
PUBLIC_DIR	Sets up public annotations.
PRIVATE_DIR	Sets up private annotations.

Opening Documents with the DynaText Browser

To open Xilinx documents on a PC, follow these instructions:

1. With your browser installed on your hard disk drive, select **Start → Programs → DynaText 3.0.1 Browser**.
2. Once the DynaText Library window displays, click “Xilinx books” in the Collections window pane.

A complete list of the Xilinx online documents displays in the Books window pane. Access the online help within the browser to find out how to use its features.

Note: The online DynaText manuals are not readable in NT Beta 1.

Viewing Text and Figures

To maximize the quality of text and figures, you may have to adjust your monitor display settings. For a 15-inch monitor, Xilinx recommends that you set your display characteristics to small fonts with 1024 x 768 resolution.

These properties can be set in the Settings tab of the Display Properties window which you can access by double-clicking the Display icon from the Control Panel window.

If the browser text still displays poorly, from the DynaText Preferences window, select the Book Window icon. In the Zoom field, enter 125%.

Setting Up Security

Security for the Alliance NT Beta 1 software release is implemented using FLEXlm 5.0. (FLEXlm was previously often known as the High-land License Manager.) This section explains how to set up FLEXlm on your PC.

Selecting a license.dat File

If you do not already have a license.dat file, contact Xilinx Customer Service to obtain a license.dat file. Refer to the “Preparing the License.dat File” section for information about Customer Service.

If you are a current user of FLEXlm 5.0 of Xilinx software, then your current license will work with this new software, and you do not have to change it. However, you may need to stop the license daemon and restart it.

If you are running in a networked environment, the license.dat file should be copied to a flexlm directory on one of the servers accessible by your PC. Multiple users can then use the same copy of the license manager.

Setting Up the LM_LICENSE_FILE Variable

To set the environment variable LM_LICENSE_FILE on the NT, perform the following steps.

1. Double click the My Computer icon.
2. From the My Computer window, double click the Control Panel icon.
3. Double click the System icon.
4. Select the Environment tab from the System Properties window.
5. In the Variable field, type LM_LICENSE_FILE.

6. In the Value field, type in the drive letter or network letter and full path of the license.dat file. For example, for a license.dat file on the C drive located in \flexlm, you would type the following;

```
c:\flexlm\license.dat
```

7. Select Set to set the variable.
8. Select OK.
9. Reboot your system.
10. To verify that you set the variable, select **Start** → **Programs** → **Command Prompt**. In the Command Prompt window, enter the following command:

```
echo %LM_LICENSE_FILE%
```

The full path that you set as the value of the variable should display.

Note: If you do not set the LM_LICENSE_FILE variable, FLEXlm looks for the license.dat file in the standard place which is c:\flexlm\license.dat. If the file cannot be found in that location, the LM_LICENSE_FILE environment variable must be set as described previously.

Note: If you are using Workview Office, you will also need to include the path to the Viewlogic license file in the LM_LICENSE_FILE variable. See the “Getting Started” chapter of the *Viewlogic Interface/Tutorial Guide* for details on setting up LM_LICENSE_FILE for both Xilinx and Viewlogic.

License Management

You will need to contact your Xilinx customer support to obtain authorization codes for your new Xilinx products.

To use the Xilinx software, you will need the following:

- FLEXlm license manager, Version 5.0 or greater
- Xilinx license.dat file
- Appropriate authorization codes to add to license.dat

The FLEXlm license manager is included on the media shipped to you by Xilinx, and is copied with the software into your installation directory by the Install program.

You must obtain your template license.dat file from Xilinx customer support. For information about how to contact Customer Service, refer to the “Preparing the License.dat File” section.

Adding New Products

If you are installing for the first time or are adding new products to your Xilinx installation, you must call Xilinx to obtain the authorization codes for the components you have purchased. When you call Xilinx, make sure you have your product serial number. The serial number is printed in the lower right hand corner of the barcode label attached to the outside of the shipping package.

To enable an installation, you must update the template license.dat with the authorization codes and start the license manager as described in the following sections.

If you plan to add the Xilinx license information to an existing license file, you must ensure that you obtained authorization codes for the same server as the existing license and then you must ensure that the license.dat file contains the new DAEMON and FEATURE lines, and that this file includes the PACKAGE section for each FEATURE line. Please note that this release requires a new vendor daemon, xilinxd.

Preparing the License.dat File

The license.dat file is commonly located in c:\flexlm. (This is the default for FLEXlm.) The template license file has PACKAGE definitions for the Xilinx products. You will need to add the FEATURE lines containing your authorization codes. You will also need to modify the DAEMON line so that it contains the correct path to your copy of xilinxd.

To obtain your authorization codes:

1. Contact Xilinx Customer Service Monday through Friday, from 8:00 a.m. to 5:00 p.m. Pacific Time to obtain the authorization codes. International customers may also contact their local distributor or sales representative.

US and Canada	1-800-624-4782
Europe	44-1-932-349401
Japan	81-33-297-9191
Southeast Asia/All others	852-2424-5200
Facsimile Transmission	1-408-559-0115

2. Provide the C: drive serial number (Volume Serial Number) and the network name of the target PC that will be your license server. Also provide the product name and serial number from the lower right hand corner of barcode label located on the package.

You can obtain the C: drive serial number for your license server by logging onto the license server, accessing a Command Prompt and entering the following command at the C: prompt:

```
vol C:
```

This is the most reliable way to obtain the drive serial number for use in the license file. This information must be obtained on the system which will be your license server.

To obtain the network name of the server, proceed as follows:

1. Double click the My Computer icon.
2. Double click the Control Panel icon.
3. Double click the Network icon. Select the Identification tab to see the Computer name. This is the network name required for the license.

If you plan to add the new Xilinx information to an existing license file, you should use the network name and drive serial number from the SERVER line(s) in the existing file. You *must* use the same information if you plan to use the same computer for your license server.

Understanding License Codes

Your Xilinx Customer Service Representative will email or fax you a file that includes information similar to the following.

```
SERVER  edapc89          DISK_SERIAL_NUM=C031946D 2200
DAEMON  xilinxd  C:\XILINX\BIN\NT\XILINXD.EXE
FEATURE PR-4EX-PC xilinxd 1.000 28-MAY-97 1 0B242B17C9F07F15EA92 "XSJ_davet"
```

Note: You must use the full path name for the location in the DAEMON line. Also you cannot use variable names such as %XILINX% in your path description. The FEATURE line must be a single line. If the text overflows to another line, use the backslash character as a continuation character at the end of the line. If you use the backslash, make sure that it is the last character on the line.

The template license file will be delivered with PACKAGE definitions for all the packages Xilinx supports. Most will not be relevant to your installation, but they may be left in the license file. You *must* retain the package definition which corresponds to any products mentioned in FEATURE lines. For example, the FEATURE above won't work without a package definition:

```
PACKAGE PR-4EX-PC xilinxd 1.000 0070A051667FD9D49EA8 \  
  COMPONENTS="system-PC bit-PC xc3000D-PC xc4000X-PC \  
  mentor-PC synopsys-PC viewlog-PC ngd2vhdl-PC verillog-PC " \  
  OPTIONS=SUITE
```

Note: The previous four lines are actually a single line. The backslash (\) at the end of the first three lines is a continuation character indicating that each line wraps to the next line. If you use the backslash character, it *must* be the last character on the line. This package definition is only an example.

Starting the License Server

Once the license file has been updated, you must start (or restart) the license server. If you were not already running FLEXlm 5.0 or a higher version, you must use the new lmgrd, delivered with your Xilinx software. The command, lmgrd -v, will cause lmgrd to display its version number.

Before starting a lmgrd (FLEXlm license manager on NT), you must meet the following requirements.

- You must have a license file for a floating license.
- The DAEMON line in the license file must point to a valid path for the xilinxd daemon.

To invoke the lmgrd from a command prompt:

1. Select **Start** → **Programs** → **Command Prompt**.
2. In the Command Prompt window, enter the following command:

```
lmgrd -app -c licensefile -l logfile
```

where *licensefile* is the actual name of your license file. Also enter the name that you want for the log file.

Note: If you do not have your path set to run the Xilinx software, you must type the full path name of the command and the command name to run the lmgrd command (for example, %XILINX%/bin/nt lmgrd).

If you attempt to close the Command Prompt window while `lmgrd` is running, the End Task windows will display. If you choose to terminate `lmgrd`, you will not be able to access the Xilinx software. You must be running `lmgrd` to use the Xilinx software.

Getting Started

When you have installed the software and set up the license file, you are ready to use the Alliance NT Beta 1 software. If you fully installed the software, five icons are created in the Xilinx folder, Design Manager, LogiBLOX, DynaText browser, the Readme file, and Uninstall Alliance. You can access the core tools software via the Design Manager, which is the Graphical User Interface (GUI). To start up Design Manager, select **Start** → **Programs** → **Xilinx** → **Design Manager**. For a complete description of the Design Manager, see the online document, *Design Manager/Flow Engine Reference/User Guide*.

Note: The XC9500 and XC7300 CPLD fitter is not functional in this version of the software. Please ignore these family codes in the Design Manager Part Selector menu.

You can also access the NT Beta 1 core technology via the Command Line prompt. To display a Command Line Prompt, select **Start** → **Programs** → **Command Prompt**. The online document, *Development System Reference Guide*, describes commands and options in detail.

LogiBLOX is a graphical interactive tool for creating high-level modules, such as counters, shift registers, and multiplexers. LogiBLOX includes both a library of generic modules and a set of tools for customizing these modules. To use LogiBLOX as a stand-alone utility, select **Start** → **Programs** → **Xilinx** → **LogiBLOX**. LogiBLOX is also integrated into some third-party schematic entry tools (such as Workview Office), and can generate schematic symbols and appropriate simulation models.

The documentation for your schematic entry interface (for example, the *Viewlogic Interface/Tutorial Guide*) explains how to use LogiBLOX from the schematic editor.

Appendix A

Registry Entries

This appendix describes entries that are made to the Registry during Alliance NT Beta 1 for Windows NT 4.0 on PCs.

Core Technology

The following sections describe the environment variables and paths that are added to the Registry for various installation options. Three keys to HKEY_LOCAL_MACHINE\SOFTWARE are added.

Xilinx\Alliance NT Beta 1\M1.0\user

Xilinx\Alliance NT Beta 1\M1.0\company

Xilinx\Alliance NT Beta 1\M1.0\serial

If during installation you decided to have your environment variables and path updated, the global environment variables, XILINX and XILINX_CD and the path to the bin\nt directory to the global path environment variable are added to the following environment:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SessionManager
\Environment.

Typical or Lab Install

If during installation you decided to have your environment variables and path updated, the XILINX variable is set to the destination directory that you specify. The XILINX_CD variable is set to the source directory from which the software is being installed. The directory in which NT Beta 1 is installed is added to the path.

PATH = %XILINX%\bin\nt + %PATH%

If you install the DynaText browser, four keys are also added. Refer to the “Online Documentation” section for details.

Run From CD or Network

The XILINX variable is set to the destination directory that you specify. The default is the source directory.

The XILINX_CD variable is set to the destination directory that you specify.

The path is set as follows:

`PATH = %XILINX_CD%\bin\nt + %PATH%`

Note: The Run From CD or Network option is not supported in this release of the software.

Online Documentation

The following subsections describe the environment variables and paths that are added to the Registry for various installation options.

Typical

The following keys for the DynaText browser are added to HKEY_CLASSES_ROOT. These keys are also listed in the %xilinx%\bin\nt\ebtcom\reg file.

```
HKEY_CLASSES_ROOT\Adi2xDocument = ADI 2x Object Document
```

```
HKEY_CLASSES_ROOT\Adi2xDocument\CLSID = {FC217EF7-B2EB-101B-AA07-F229BC120B0F}
```

```
HKEY_CLASSES_ROOT\CLSID\{FC217EF7-B2EB-101B-AA07-F229BC120B0F} = ADI 2x Object Document
```

```
HKEY_CLASSES_ROOT\CLSID\{FC217EF7-B2EB-101B-AA07-F229BC120B0F}\InprocServer32 = adidt2x.dll
```

```
HKEY_CLASSES_ROOT\Adi3xDocument = ADI 3x Object Document
```

```
HKEY_CLASSES_ROOT\Adi3xDocument\CLSID = {E1A4DCB0-B0CB-11CE-9BBC-0020AF127559}
```

```
HKEY_CLASSES_ROOT\CLSID\{E1A4DCB0-B0CB-11CE-9BBC-0020AF127559} = ADI 3x Object Document
```

```
HKEY_CLASSES_ROOT\CLSID\{E1A4DCB0-B0CB-11CE-9BBC-0020AF127559}\InprocServer32 = adidt3x.dll
```

```
HKEY_CLASSES_ROOT\AdiRamDocument = ADI Ram Object Document
```

HKEY_CLASSES_ROOT\AdiRamDocument\CLSID = {87779490-6e07-11ce-8918-0020af76b4e1}

HKEY_CLASSES_ROOT\CLSID\{87779490-6e07-11ce-8918-0020af76b4e1} = ADI Ram Object Document

HKEY_CLASSES_ROOT\CLSID\{87779490-6e07-11ce-8918-0020af76b4e1}\InprocServer32 = adirm.dll

HKEY_CLASSES_ROOT\AdiNetDocument = ADI Net Document

HKEY_CLASSES_ROOT\AdiNetDocument\CLSID = {03793450-cb6f-11ce-b1cd-0020afd60791}

HKEY_CLASSES_ROOT\CLSID\{03793450-cb6f-11ce-b1cd-0020afd60791} = ADI Net Document

HKEY_CLASSES_ROOT\CLSID\{03793450-cb6f-11ce-b1cd-0020afd60791}\InprocServer32 = adinet.dll

HKEY_CLASSES_ROOT\AdiData = ADI Object Data

HKEY_CLASSES_ROOT\AdiData\CLSID = {FC217EE0-B2EB-101B-AA07-F229BC120B0F}

HKEY_CLASSES_ROOT\CLSID\{FC217EE0-B2EB-101B-AA07-F229BC120B0F} = ADI Object Data

HKEY_CLASSES_ROOT\CLSID\{FC217EE0-B2EB-101B-AA07-F229BC120B0F}\InprocServer32 = adidt2x.dll

HKEY_CLASSES_ROOT\AdiFileData = ADI File Data

HKEY_CLASSES_ROOT\AdiFileData\CLSID = {254bf770-3dfc-11ce-910d-00608cc34359}

HKEY_CLASSES_ROOT\CLSID\{254bf770-3dfc-11ce-910d-00608cc34359} = ADI File Data

HKEY_CLASSES_ROOT\CLSID\{254bf770-3dfc-11ce-910d-00608cc34359}\InprocServer32 = adidt2x.dll

HKEY_CLASSES_ROOT\AdiStyleSheet = ADI Object StyleSheet

HKEY_CLASSES_ROOT\AdiStyleSheet\CLSID = {FC217EE3-B2EB-101B-AA07-F229BC120B0F}

HKEY_CLASSES_ROOT\CLSID\{FC217EE3-B2EB-101B-AA07-F229BC120B0F} = ADI Object StyleSheet

HKEY_CLASSES_ROOT\CLSID\{FC217EE3-B2EB-101B-AA07-F229BC120B0F}\InprocServer32 = adidt2x.dll

HKEY_CLASSES_ROOT\AdiAnnotation = ADI Object Annotation

```
HKEY_CLASSES_ROOT\AdiAnnotation\CLSID = {FC217EF5-B2EB-101B-AA07-
F229BC120B0F}

HKEY_CLASSES_ROOT\CLSID\{FC217EF5-B2EB-101B-AA07-F229BC120B0F} = ADI
Object Annotation

HKEY_CLASSES_ROOT\CLSID\{FC217EF5-B2EB-101B-AA07-
F229BC120B0F}\InprocServer32 = adidt2x.dll

HKEY_CLASSES_ROOT\AdiHit = ADI Object Hit

HKEY_CLASSES_ROOT\AdiHit\CLSID = {FC217EF6-B2EB-101B-AA07-F229BC120B0F}

HKEY_CLASSES_ROOT\CLSID\{FC217EF6-B2EB-101B-AA07-F229BC120B0F} = ADI
Object Hit

HKEY_CLASSES_ROOT\CLSID\{FC217EF6-B2EB-101B-AA07-
F229BC120B0F}\InprocServer32 = adidt2x.dll

HKEY_CLASSES_ROOT\AdiCollection = ADI Object Collection

HKEY_CLASSES_ROOT\AdiCollection\CLSID = {FC217EF8-B2EB-101B-AA07-
F229BC120B0F}

HKEY_CLASSES_ROOT\CLSID\{FC217EF8-B2EB-101B-AA07-F229BC120B0F} = ADI
Object Collection

HKEY_CLASSES_ROOT\CLSID\{FC217EF8-B2EB-101B-AA07-
F229BC120B0F}\InprocServer32 = adidt2x.dll

HKEY_CLASSES_ROOT\AdiHColl = ADI Hit Collection

HKEY_CLASSES_ROOT\AdiHColl\CLSID = {6C271910-1C10-11CE-BB9B-0020AF127559}

HKEY_CLASSES_ROOT\CLSID\{6C271910-1C10-11CE-BB9B-0020AF127559} = ADI Hit
Collection

HKEY_CLASSES_ROOT\CLSID\{6C271910-1C10-11CE-BB9B-
0020AF127559}\InprocServer32 = adidt2x.dll

HKEY_CLASSES_ROOT\AdiScanner = ADI Object Scanner

HKEY_CLASSES_ROOT\AdiScanner\CLSID = {FC217EF9-B2EB-101B-AA07-
F229BC120B0F}

HKEY_CLASSES_ROOT\CLSID\{FC217EF9-B2EB-101B-AA07-F229BC120B0F} = ADI
Object Scanner

HKEY_CLASSES_ROOT\CLSID\{FC217EF9-B2EB-101B-AA07-
F229BC120B0F}\InprocServer32 = adidt2x.dll

HKEY_CLASSES_ROOT\Dil2x = Dil 2x

HKEY_CLASSES_ROOT\Dil2x\CLSID = {7fd54600-5fce-11cf-9bde-0020af127559}
```



```
HKEY_CLASSES_ROOT\CLSID\{7fd54600-5fce-11cf-9bde-0020af127559} = Dil2x
HKEY_CLASSES_ROOT\CLSID\{7fd54600-5fce-11cf-9bde-0020af127559}\InprocServer32 = comdil2x.dll
HKEY_CLASSES_ROOT\Dil3x = Dil 3x
HKEY_CLASSES_ROOT\Dil3x\CLSID = {7fd54601-5fce-11cf-9bde-0020af127559}
HKEY_CLASSES_ROOT\CLSID\{7fd54601-5fce-11cf-9bde-0020af127559} = Dil3x
HKEY_CLASSES_ROOT\CLSID\{7fd54601-5fce-11cf-9bde-0020af127559}\InprocServer32 = comdil3x.dll
HKEY_CLASSES_ROOT\Adi2xCollectionDocument = Adi 2x Collection Document
HKEY_CLASSES_ROOT\Adi2xCollectionDocument\CLSID = {C9DA0C10-4AA0-11CF-9BDA-0020AF127559}
HKEY_CLASSES_ROOT\CLSID\{C9DA0C10-4AA0-11CF-9BDA-0020AF127559} = Adi
2xCollection Document
HKEY_CLASSES_ROOT\CLSID\{C9DA0C10-4AA0-11CF-9BDA-0020AF127559}\InprocServer32 = adi2xcol.dll
HKEY_CLASSES_ROOT\Adi3xCollectionDocument = Adi 3x Collection Document
HKEY_CLASSES_ROOT\Adi3xCollectionDocument\CLSID = {8B2EDC30-60BD-11CF-9BDE-0020AF127559}
HKEY_CLASSES_ROOT\CLSID\{8B2EDC30-60BD-11CF-9BDE-0020AF127559} = Adi
3xCollection Document
HKEY_CLASSES_ROOT\CLSID\{8B2EDC30-60BD-11CF-9BDE-0020AF127559}\InprocServer32 = adi3xcol.dll
```

The XILINX variable is set to the destination directory that you specify. The default is the current value of XILINX.

The XILINX_CD variable is set to the source directory from which the software is being installed.

The path is set as follows:

PATH = %XILINX%\bin\nt + %PATH%

Run From CD or Network

The XILINX_CD variable is set to the destination directory that you specify. The default is the source directory.

The path is set as follows:

PATH = %XILINX_CD%\bin\nt + %PATH%



The Programmable Logic CompanySM



0401620

Printed in U.S.A.

© 1997 Xilinx, Incorporated