

XILINX STUDENT EDITION

Access the Xilinx Design Series Home Page for useful information and help

www.xilinx.com/programs/xds1.htm

This page will always contain the latest version of this information.

This CD-ROM set is designed for use with Prentice Hall's "Xilinx Design Series" educational products. This software is designed for first time installation of the student version of Xilinx Foundation Series Express F1.5 software, as well as to upgrade Xilinx Foundation Series F1.3 and F1.4 software to version F1.5 and to provide other electronic materials that may be useful. To properly execute the VHDL and Verilog synthesis software module-Synopsys FPGA Express™ module of the Xilinx Foundation Series-software a "license.dat" file is required. If you are upgrading from 1.3 or 1.4 please access: <http://www.xilinx.com/programs/xsefaq1.htm> for information on making a simple modification to your existing license file. If this is a new installation then using the serial number from the coupon which is included in your Xilinx Design Series package from Prentice Hall (ISBN 0130205869), you can obtain a "license.dat" file from the Xilinx Design Series Home Page. Purchase of the Prentice Hall package is required to obtain a license file.

Basic installation instructions are printed here. Complete instructions are on the Design Environment CD-ROM disk 1 of 2 at D:\readme.wri. These instructions are complete at press time. Updated versions of these instructions may be found at

www.xilinx.com/programs/xds1.htm

Section I—Xilinx Foundation Series Express F1.5

Section II—Other tools

- a. (Optional) Xilinx CORE Generator 1.5
- b. (Optional) XESS Tools for XS40 or XS95 boards
- c. (Optional) Aldec's Active-VHDL 3.1 simulator (Student Version)
- d. (Optional) SimuCad's SILOSIII Verilog simulator (Demo Version)

Section III – License file setup

Section IV - (Optional) Adobe Acrobat and datasheets

To upgrade from F1.3 or F1.4 to 1.5, start at Section I A.

To install on a new computer, start at Section I B.

Section I—Xilinx Foundation Series Express F1.5

Section IA—Uninstall F1.3 or F1.4

1. Uninstall the Foundation Project Manager (Design Environment): Click on Start, Settings, Control Panel, Add/Remove Programs
2. Uninstall the Foundation Design Implementation Tools.
3. If uninstall does not work, then delete everything including and below C:\Xilinx directory (assuming that was the directory under which you installed your F1.3 or F1.4 Design Implementation Tools).

Section I.B—Install F1.5

1. Insert and install Disk 1 of 2, Design Environment.

Begin installation: Click on Start, Run and select D:\ setup.exe When “Xilinx Foundation F1.5 Setup” window appears, click “Next” and then follow the prompts.

Your CD KEY is: **FXAA2743390** Do not lose this number!

2. If you are upgrading go to <http://www.xilinx.com/programs/xds1.htm> for full instructions.

Note: You may wish to deselect XC4000E and SpartanXL devices as this will save you over 50MB of disk space. You can run setup.exe again to add these devices later.

3. Insert and install Disk 2 of 2, Documentation.

Begin installation: Click on Start, Run and select D:\ setup.exe

When “Xilinx Foundation F1.5 Documentation Setup” window appears, click “Next” and then follow the prompts. The CD KEY is not required for this step.

4. To save disk space, you can deselect the “Multimedia Foundation Demo” in the Select Products to Install dialog box.
5. Under “Registry Settings Options” do not change any options.
6. When finished, reboot your computer to allow Registry settings to take place.

Section II—Other tools files for F1.5

There are other tools available on disk 2.

In general, the setup is similar to what you have just done with the foundation tools. Click on the Start button, then RUN and move to the directory for the tool that you wish to install. Double click on the “setup.exe” file and follow the prompts.

The labs in the Practical Xilinx Designer lab book may be found on disk 2 in D:\XESS\ XLabs\... There is a subdirectory for each lab.

Information on system requirements, are on the Design Environment Disk CD-ROM disk 1 of 2 at D:\readme.wri as well as on the software packaging

The complete installation guide can be found on disk 2 at D:\Finstall\findinst.pdf. Acrobat reader must be installed to read this file. Acrobat reader can be installed from the ACROREAD directory on disk 2.

Section III—License file for F1.5

For version F1.5, the “license.dat” file is required to run the Synopsys FPGA Express VHDL and Verilog synthesis tools.

If you are upgrading an existing Xilinx Foundation Student Series F1.3 or F1.4 installation up to F1.5, you do not need to make any changes to your system. Your existing “license.dat” is sufficient. If using the Express tool see the next paragraph.

If you are installing the Xilinx Foundation Series Express F1.5 software on a new computer, or you just did not obtain a “license.dat” file previously, then go to the web to obtain your license file and read the instructions at: <http://www.xilinx.com/programs/xds1.htm>

Section IV—(Optional) Adobe Acrobat and datasheets

There are several documents included in Adobe Acrobat format on this CD-ROM set for your reference. For more comprehensive documentation on the Xilinx Foundation Series Express F1.5 software and installation, the commercial F1.5 Quick Start Guide is available at D:\installdoc\fundinst.pdf.

These are the key documents that are included on “Disk 2 of 2, Foundation Documentation”:

D:\Applinx\Databook.pdf	Xilinx 1998 Databook
D:\Applinx\coregen.pdf	Xilinx Core Solutions Databook

Other key documents which can be found using the Dynatext Document viewer in the Xilinx Book directory:

- Foundations Series Quickstart Guide
- Foundation Series User Guide
- Verilog Reference Guide
- VHDL Reference Guide

If you need to install the Acrobat reader, run D:\ACRORED\WIN32\Ar32e30.exe and follow the instructions to install the Acrobat Reader software.

In addition, there are several lab projects available at the Xilinx University Program home page under “Presentation Materials and Lab Files”.

See **www.xilinx.com/programs/univ.htm**

Minimum PC Requirements:

Pentium® Processor recommended Windows '95 or NT 4.0

48MB RAM recommended 350MB (plus 100MB swap space) free hard drive space before installation.

Depending on options you select, the F1.5 Foundation Series Express “Base” installation will consume 250 to 500 Mbytes of hard drive space. Does not include Active-HDL or Silos III.

Please note that all support for the Xilinx Student Edition software is web based. Access: **<http://www.xilinx.com/programs/univ.htm>** for troubleshooting and other information.

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