P-CAD 2004 Full Suite Installation Instructions Network Edition

Contents

1.0   Installation Information

The installation process is divided into two separate parts – one to install the selected P-CAD Suite and one to install DXP Bonus Technologies. You do not need to install the DXP software unless you are planning to run Camtastic to view Gerbers or use the Situs router.

If you do choose to install DXP Bonus Technologies , we recommend that you install it before P-CAD 2004 so that file associations remain with P-CAD 2004.

1.1   System Requirements & DXP Bonus Technologies

1.1.1   System Requirements

Recommended System (including DXP Bonus Technologies)

The following list details the recommended hardware and software requirements for P-CAD 2004 Network Edition:
- Windows XP (Professional or Home) or Windows 2000 Professional
- 3 GHz Pentium 4 processor or equivalent
- 1 GByte RAM
- 2 GByte hard disk space (Installation + User Files)
- Dual monitors with 1280x1024 screen resolution
- 32-bit color, 64 MB graphics memory.

Minimum System

The following list details the minimum hardware and software requirements for P-CAD 2004 Network Edition:
- Windows XP (Professional or Home) or Windows 2000 Professional
- 1.8 GHz processor
- 1GByte RAM
- 2 GByte hard disk space (Installation + User Files)
- Desktop area 1280x1024 pixels
- 32-bit color, 32 MB graphics memory.

1.1.2 Installing DXP Bonus Technologies

To install Altium DXP, go to your M drive or \\jlabgrp\eecad\pcad\2004\Installation CDs\DXP sp2\\Setup and double click on setup.exe. The Installation Wizard will automatically start and guide you through the installation process.

Installation will take roughly 30 minutes or so.

1.1.3 Installing Service packs

To install the service packs, go to your M drive or \\jlabgrp\eecad\pcad\2004\Installation CDs\DXP sp2\service packs. There are two service packs that will now need to be installed. Please do that before moving on to the next step.

1.1.4 Configuring the DXP Bonus Technologies License

Once the service packs have been installed, launch the DXP product (This will be located above the Programs selection in the Start- Programs menu.). The application will open with the **DXP License Management** view active in the main design window. The Standalone button will be green and it will state in red that There are no active licenses. Use the Option below to add or choose a license. Click on the button next to the word *Network* under **Licensing Mode**. Then click *Yes* in the confirm dialog to proceed to the Network Server Setup dialog box. Once this opens, it will search for the server and if it finds nothing, enter the following information under Primary Server and then click *Search*:

> Server name: pcad
> Server Address: 129.57.12.213
> Server Port: 21001

Once the search is over, the OK button should be clickable, click it. Now you should have a list of available licenses. To use the license, click one of the licenses listed at the bottom (it will not highlight). Click on **Use Selected Network License**. One of the licenses will now show in use.

1.2 Installing P-CAD Products

This section describes how to install the P-CAD software.

1.2.1 Installing P-CAD 2004 Network Edition

To install PCAD, go to your M drive or \\jlabgrp\eecad\pcad\2004\Installation CDs\P-CAD 2004 sp3\Setup and double click on setup.exe. The Installation Wizard will automatically start and guide you through the installation process.

1. The P-CAD 2004 Installation Screen will appear.

2. The P-CAD License Agreement dialog appears. If you agree with the terms of this agreement, click **Yes** and hit **Next>** to continue with the installation.

3. The first **User Information** dialog appears. Here you are asked to enter your name, company name. Do so and click **Next>**.

4. Select the Edition to install, **Network** and click **Next>**

5. Select **Install one of the P-CAD 2004 Suites** and click **Next>**

    We are now using a firewall to control access to the network licenses. You have been designated as a Full suite user and should be installing that now. If you feel this is in error, please call Lori @7332. Once installation is complete, you will need to contact Todd Coates @ ext. 5537 and supply him with your IP address so you can be passed through the firewall on the server.

6. Select- **P-CAD 2004** (the first choice) and click **Next>**

7. Enter the following for the IP address: **129.57.12.213** When you have set up the Host options click **Next>**.

The **Choose Destination Location** dialog appears. Here, you are asked whether you want to install the program into the default directory, shown in the **Destination Folder** frame. If yes, then click **NEXT>** and the setup program will create the directory for you. If you want to use a different directory or even a different drive, then edit the directory by clicking the **Browse** button to navigate to and choose the desired directory. When you have set up the destination folder as desired, click **Next>**. *Please make sure you have enough room on the destination drive before you click next! (400MB min. is required to install without the supplied libraries.) If you only use the JLAB libraries, then uncheck the Install P-CAD libraries box. If you choose to install these libraries, the Library installation wizard will appear after installation on the main P-CAD product is complete.*

8. Click **Next>** to begin installing P-CAD. Libraries will install separately after the main program installs. Total time for P-CAD installation is roughly 15 minutes.

9. Once installation is complete, you need to apply service pack 4. It can be found on your M drive or \\jlabgrp\eecad\pcad\2004\Installation CDs\P-CAD 2004 sp3\Service pack 4. Double click on the file in that directory to start installation of service pack 4.

1.3 Modifying/Repairing/Removing an Installation

This can be done via the Control Panel- Add/Remove Programs selection. Follow the prompts making the choices to either remove/ modify or repair.

1.4 Subscribing to the EECAD mailer

If you are not already subscribed to the EECAD mailing list, visit this web page:

http://www.jlab.org/accel/eecad/mailer.html

2.0 Information about Network Licenses

- When you launch a P-CAD 2004 Network Edition product it requests a license from the Sentinel License Manager. The License Manager is specified in the "lshost" file in your P-CAD 2004 folder. If a License Manager is found and a license is available the P-CAD 2004 Network Edition product will start. If no licenses are available a message is displayed. If the License Manager is not found a brief network broadcast is transmitted in order to find another License Manager on the subnet, if no License Manager is found a warning message is displayed.

- If a workstation cannot acquire a license, ask your network license administrator to check whether any licenses are available. The License Manager software includes a utility that monitors license usage (WLMAdmin.exe), refer to the System Administrator's Guide (slm70sys.pdf) for details on using this utility. If the licensing server is setup correctly and licenses are available but the workstation cannot acquire a license refer to the topic "Configuring the License Server Client" in the System Administrator's Guide.

- P-CAD 2004 Network Edition licenses have no expiration date. Note that licenses will not work before the license start date.

- The P-CAD 2004 Network Edition product version number is 18.04.6156.

3.0   Known Issues

- If a P-CAD products runs out of memory, it may become unstable. Be sure to save to disk before executing any command that may consume a large amount of memory (e.g., flooding a large copper pour or moving a large block). Also, do not save to disk, or save to an alternative drive, after a memory failure since this may produce a corrupted design file.

- Pressing the right and left mouse buttons simultaneously may cause the Workspace to go blank. Placing another object on the sheet or layer will return the graphic display to normal.

- Each of the P-CAD Editors supporting text entry includes default text styles. Under normal conditions these default text styles cannot be renamed or deleted. However, under certain conditions it is possible to have a default text style selected and the Rename and Delete buttons enabled. Performing a Rename or Delete will result in an Unexpected Condition, avoid clicking Rename or Delete if a default text style is selected. If a UC does occur it is recommended that you close the file and the Editor without saving the file.

- It is not guaranteed that macros recorded in P-CAD 2001 and prior versions will work correctly in P-CAD 2004 because of dialog changes.

4.0   Contact Information

If you are having problems installing PCAD 2004, please contact:

Jefferson Lab EECAD group-
Roger Flood   7083   flood@jlab.org
Lori Zukerman   7332   lori.zukerman@jlab.org
Dave Williams   7183   williamd@jlab.org
Kim Shinault   7228   kshinaul@jlab.org