

#### Task 4: Install validation code

After you have received the validation code for VisualDSP++ software, run the permanent license installer program.

1. Insert the VisualDSP++ installation CD into the CD-ROM drive.

If Auto Run is enabled for the CD on your PC, you see the **VisualDSP++ Tools Installation** screen of the VisualDSP++ install wizard. Otherwise, choose Run... from the Start menu, and enter D:\Setup.exe in the Open field, where D is the name of your local CD-ROM drive.

2. From the **VisualDSP++ Tools Installation** screen, click the **Install License** button.

The license install wizard appears. From there, follow the prompts on the install wizard screens.

3. From the **Enter License Type** screen, select **Install Validation License** and click **Next**.

4. Review the **Software License Agreement** and click **Yes** to accept.

5. Select your tools serial number from the pull-down list, fill in your validation code on the **Enter Your Validation Code** screen, then click **Next**.

#### NOTE

The serial number and validation code are a matched set. If multiple tool packages are installed, use the processor family information at the bottom of the screen to guide your serial number selection.

6. When the install wizard is done installing the validation code, click **Finish**.

You have installed the permanent license and completed VisualDSP++ installation.

#### Task 5: Upgrade your tools (if needed)

You may need to update your version of VisualDSP++ or EZ-KIT Lite software. Your registration information (email address) allows Analog Devices to contact you as soon as the update is available on the Analog Devices website.

1. Direct your browser to:  
<http://www.analog.com/dsp/tools> (and click on **Upgrades**)

2. Locate the product part number affixed to the tools package you received. Look for the matching part number in the list of the available downloadable updates.

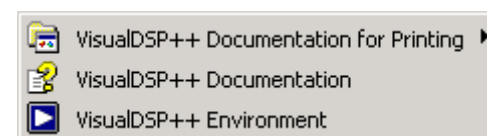
If you cannot find the matching part number in the list, no downloadable upgrade is available for your tools software.

3. Click the corresponding link. Download a self-extracting file by following instructions on the download wizard screens.

4. If prompted, reboot the system when the download is complete.

#### To view the documentation

All manuals for VisualDSP++ are available on-line, provided both in HTML Help (.CHM) format (in the VisualDSP++ IDDE help) and in Adobe Acrobat (.PDF) format. To view the on-line documentation that you chose to install, you can use selections from the VisualDSP++ start menu (**Start, Programs, VisualDSP++**) as shown below.



To view/print the tools documentation in Adobe® Acrobat® format, you must have a PDF reader installed on your system. The installation CD-ROM does not include the Adobe Acrobat installation kit. To download Adobe's PDF reader, go to:

<http://www.adobe.com>

#### For more information

Printed manuals can be ordered through your local sales office, Analog Devices Literature Center at (781) 461-3392, or on-line at:

<http://www.analog.com/commerce>

#### DSP TOOLS CUSTOMER SUPPORT

Email: [dsptools.support@analog.com](mailto:dsptools.support@analog.com)  
Phone: 1 800 ANALOGD  
World Wide Web Site: <http://www.analog.com/dsp>

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## Installation Quick Reference Card

for the **VISUALDSP++**™ Development Tools

#### System Requirements

Verify that your PC has the minimum requirements for VisualDSP++ installation:

##### Operating System

Windows 98 or ME, Windows 2000, Windows NT® 4.0 Service Pack 3 or later, or Windows XP®

##### Minimum Requirements

- Pentium® processor 166 MHz or faster (with emulator)
- 200 MB available disk space
- 64 MB of RAM
- CD-ROM drive
- Internet Explorer™ 4.01 or later

#### Overview

The following instructions apply to new VisualDSP++ installations. To install VisualDSP++ for the first time, complete tasks 1–4 for each package purchased.

- Task 1: Install the tools
- Task 2: Install license for the tools
- Task 3: Register your tools on-line (*to get validation code*)
- Task 4: Install validation code

#### NOTE

VisualDSP++ for EZ-KIT Lite™ does not require the validation code installation. EZ-KIT Lite users do not register on-line—no validation code is necessary to run an evaluation system.

#### WORLD WIDE HEADQUARTERS

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### Task 1: Install the tools

The install wizard guides you through the setup process. It also allows you to exit the installation at any time.

1. Insert the VisualDSP++ installation CD into the CD-ROM drive.  
If Auto Run is enabled for the CD on your PC, you see the **VisualDSP++ Tools Installation** screen of the VisualDSP++ install wizard. Otherwise, choose Run... from the Start menu, and enter D:\Setup.exe in the Open field, where D is the name of your local CD-ROM drive.
2. From the **VisualDSP++ Tools Installation** screen, click the **Install VisualDSP++** button.  
The **Install for VisualDSP++ Tools** screen appears.
3. From the **Install for VisualDSP++ Tools** screen, click **Tools Installation**. From there, follow the prompts on the install wizard screens.
4. Fill in user information on the **Customer Information** screen and click **Next**.
5. Specify the install directory on the **Destination Location** screen and click **Next**.
6. Select the software to install on the **Component Selection** screen.
7. Click **Next** to install the software after verifying your selection.  
The install wizard installs the selected software.
8. Click **Finish** to complete the installation. If prompted, reboot the system.
9. Go to [Task 2: Install the license for the tools](#).

### Task 2: Install the license for the tools

1. Locate the serial number provided on the sticker affixed to the CD sleeve and the registration form.
2. From the **Install for VisualDSP++ Tools** screen, click the **License Installation** button. From there, follow the prompts on the install wizard screens.
3. Select the applicable license type (Single User, Client, or Server) on the **Enter License Type** screen and click **Next**.

#### NOTE

For client-server installations, follow instructions in [Additional steps for client-server systems](#) following step 8.

4. Review the **Software License Agreement** and click **Yes** to accept.
5. Fill in the tools serial number on the **Enter Your Serial Number** screen exactly as it appears on your CD sleeve or registration form and click **Next**.
6. Verify the software that you are licensing on the **Licensed Components** screen and click **Next**.
7. Click **Finish** when the license installation is complete. If prompted, reboot the system.

#### NOTE

If you are installing the full version of VisualDSP++, you just installed a temporary 30-day license. To enable your license beyond 30 days, you must register your copy of software, receive a validation code, and install the validation code.

8. Go to [Task 3: Register your tools on-line](#).

### Additional steps for client-server systems

For server license installations, you need to provide the server node name. You can find it by going to the server and selecting **Control Panel**, **Network**, and the **Identification** tab. The server's computer name is the server's node name.

1. Log in on the server with an Administrator account and install a server license on the server using the steps in [Task 2: Install the license for the tools](#).
2. Start the license server on the server system.
  - a. Start the **FLEXlm®** (Flexible License Manager®), running **lmtools.exe** in the **VisualDSP** directory.
  - b. Select the **Service/License File** tab then select the **Configuration using services** radio button.
  - c. Select the **Configure Services** tab. Using the **Browse** buttons, locate the **lmgrd.exe**, **license.dat**, and **logfile** files in your **VisualDSP** or **VisualDSP \System** directories. Name your service in the **Service Name** fields then select **Save Service**.
  - d. Select the **Start/Stop/Reread** tab. Select your service from the list of services. Click **Start Server**. A **Server Starting** message then **Server Started** message appears. Check server status from the **Server Status** tab by selecting **Perform Status Enquiry**.

#### NOTE

When you add a seat or permanent license on the server, you must restart/reread the FLEXlm license manager each time you update your license file.

3. Install the VisualDSP++ software and client license on each client system.  
The install wizard requires the path name to the server license file. Get this path name from your system administrator.

### Task 3: Register your tools on-line

You must register on-line to receive a validation code for a new VisualDSP++ install. This validation code is then used in the permanent license installer program (Task 4) to create the permanent license.

#### NOTE

EZ-KIT Lite users do not register on-line—no validation code is necessary to run an evaluation system.

1. Locate your serial number and machine ID to register your software. For your convenience, this information is saved to the **reg\_info.txt** file in your **VisualDSP \System** directory.
2. From the **Install for VisualDSP++ Tools** screen of the installation CD, click **Register Tools**.  
The install wizard starts Internet Explorer, directing it to the Analog Devices VisualDSP++ registration page:  
**<http://www.analog.com/dsp/tools/register>**
3. Fill in the on-line form and click the **Submit** button. Alternately, fax your completed registration form to (603) 882-2655 or mail it to:  
Analog Devices, Inc.  
DSP Tools Product Line  
One Technology Way, Building 1  
P.O. Box 9106  
Norwood, MA 02062  
USA  
After submitting your registration form, you will receive a validation code from Analog Devices within 24 hours. This validation code, along with your serial number, enables a permanent license installation.
4. After you receive your validation code, go to [Task 4: Install validation code](#).