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EZ-KIT Lite™ Quick Start Guide

Thank you for purchasing this EZ-KIT Lite™ evaluation system. Before you begin to use your EZ-KIT Lite, you must first perform the following procedure, which leads you through the **software installation** and **hardware setup**.

For further information, please refer to the *EZ-KIT Lite Evaluation System Manual* on the CD-ROM.

Software Installation

- 1) Check the contents of your package and identify the following items:
 - *Installation Quick Reference Card for VisualDSP++ Development Environment*
 - *VisualDSP++™* development environment CD-ROM (CD includes the *EZ-KIT Lite* evaluation system software)
 - EZ-KIT Lite board
 - Power supply
 - 9V DC for ADSP-2181
 - 7.5V DC for ADSP-2189 and SHARC DSPs
 - RS-232 serial port 9-pin cable
 - Registration form (to be filled out and returned to Analog Devices)
- 2) Ensure that your PC meets the following minimal requirements along with the requirements stated in the *Installation Quick Reference Card for VisualDSP++*:

Windows® 98, ME, 2000, XP, or Windows NT
An available RS-232 port
- 3) Ensure that the VisualDSP++ Development Environment is installed.
 - a. If the latest version of VisualDSP++ is installed, insert the VisualDSP++ CD into CD-ROM drive. Click on Install VisualDSP++. Click on Install Tools. On this prompt screen, select Modify to add the EZ-KIT Lite software. On the next Component prompt screen make your EZ-KIT Lite selection and begin install.
 - b. If VisualDSP++ is not installed please refer to the *Installation Quick Reference Card for VisualDSP++ Development Environment* for further instructions. **Perform only tasks 1 and 2.** Continue after you have completed the VisualDSP++ install.

Important: Please note that installing the latest version of VisualDSP++ will completely replace the older VisualDSP++™ versions on your computer, making them inoperable. If for some reason, you need to use the older version you will need to uninstall this version and re-install the older version.

Note: The VisualDSP++ serial number shipped with this EZ-KIT Lite evaluation system creates a permanent license, but **limits** the software's capability. For detailed information on these limitations refer to the *EZ-KIT Lite Restrictions* section in the *EZ-KIT Lite Evaluation System Manual*.

Hardware Installation

- 4) Plug the power supply into a wall outlet and plug its connector into the power receptacle on the EZ-KIT Lite board. Verify that the green LED (PWR/VCC) is lit.
- 5) Connect the RS-232 cable to your PC and to the EZ-KIT Lite board.
- 6) Run VisualDSP++ by holding down the keyboard's **Ctrl** key while choosing **Start -> Programs -> VisualDSP -> VisualDSP++**.

The *Session List* dialog box appears if you already have existing sessions. Skip to step 8 if this is the first time running VisualDSP++.

- 7) Click on *New Session*.
- 8) In **Debug target**, choose **EZ-KIT Lite (processor)** and click **OK**.
ADSP-218x DSP Family Note: In **Debug target**, choose **EZ-KIT Lite (ADSP-218x)** and the **ADSP-2189** or **ADSP-2181** processor and click **OK**.
- 9) Then **Activate** your session.

Now You're Ready to use your EZ-KIT Lite.

Run the **example programs** to become familiar with the:

- EZ-KIT Lite evaluation system
- VisualDSP++ development environment
- DSP

These examples are located on your hard drive in the subdirectory: ...VisualDSP\processor_family\EZ-KITs\processor\Examples

You can also write, execute, and debug your own software. Refer to VisualDSP++ **online Help**, which provides access to the Tools documentation (e.g., compiler, assembler). **Read** the *VisualDSP++ User's Guide* and the *VisualDSP++ Getting Started Guide* to learn about VisualDSP++.

For a detailed description of the EZ-KIT Lite board, refer to the *EZ-KIT Lite Evaluation System Manual*, which is located in the ...VisualDSP\Docs\ADSP-processor EZ-KIT subdirectory on your hard drive.

Limited Warranty

The EZ-KIT Lite evaluation board is warranted against defects in materials and workmanship for a period of one year from the date of purchase from Analog Devices or from an authorized dealer.