

Note to NI-DAQ[®] Software for Macintosh Users

Thank you for purchasing an NB Series board from National Instruments.

If you are using LabVIEW[®] software, please disregard this note.

Your board kit includes the November 1993 Edition of the *NI-DAQ Software Reference Manual for Macintosh*, which is intended for use with NI-DAQ software version 4.7, which is not yet released. We apologize for any inconvenience this may have caused you. The November 1993 Edition of the *NI-DAQ Software Reference Manual for Macintosh* is compatible with your version of the software with the following exceptions:

- Any features listed in *New Features of NI-DAQ for Macintosh Version 4.7* in Chapter 1, *Getting Started*, are not available with earlier versions of the software.
- The installation procedure and the descriptions of the NI-DAQ control panels in Chapter 1, *Getting Started*, are not correct for your version of the software. Instead, use the following installation procedure and NI-DAQ control panel descriptions.

Software Installation

This section contains information for installing the NI-DAQ for Macintosh software version 4.6.

The NI-DAQ for Macintosh software comes on four diskettes containing the following files and folders:

- NI-DAQ for Macintosh Disk 1
 - NB Handler INIT (startup file)
 - NI-DAQ Utilities (control panel item)
- NI-DAQ for Macintosh Disk 2
 - MPW C Examples (folder)
 - THINK C Examples (folder)
 - MPW C Interface Library
 - THINK C Interface Library
 - C Interface (folder)
- NI-DAQ for Macintosh Disk 3
 - QuickBASIC Examples (folder)
 - QuickBASIC Interface Libraries (folder)
- NI-DAQ for Macintosh Disk 4
 - THINK Pascal Interface Library
 - THINK Pascal Examples

The `NB Handler INIT` file contains the NI-DAQ for Macintosh set of device drivers that are installed during the installation procedure described later in this section. The `Interface Libraries` folders contain the files used for the language interfaces. The language interfaces are described in the *NI-DAQ Software Reference Manual for Macintosh*.

Before you can use any of the NI-DAQ for Macintosh version 4.6 functions, you must install the NI-DAQ for Macintosh version 4.6 software on your Macintosh computer.

Removing Earlier Versions of NI-DAQ for Macintosh or NB LabDriver®

Remove all earlier versions of NI-DAQ for Macintosh or NB LabDriver from the system before installing NI-DAQ for Macintosh version 4.6.

To remove NB LabDriver version 2.0 or later, follow these steps:

1. Remove the `NB Handler INIT` file from your System folder.
2. Remove the language interface files.
3. Restart the Macintosh computer.

To remove NB LabDriver version 1.0 or a later version, follow these steps:

1. Insert the original NB LabDriver version 1.0 diskette into a diskette drive.
2. Start your Macintosh in the normal manner. This procedure causes the Macintosh to use the system on the original diskette.
3. Double-click on the **Installer** application contained on that diskette.
4. Select the **Remove** option.
5. Remove the `LabInit` file from your System folder.
6. Restart the Macintosh computer.

Installing NI-DAQ for Macintosh Version 4.6

Follow these steps to install the NI-DAQ software for Macintosh version 4.6:

1. Start your Macintosh computer in the normal manner.
2. Copy the `NB Handler INIT` file and the `NI-DAQ Utilities` file from NI-DAQ for Macintosh Disk 1 into the System folder. If you are running Macintosh System 7, copy these files to the Control Panels folder in the System folder.
3. Copy the interface libraries and the folders of the languages you will use from the disks to your hard disk.
4. Restart the computer.

NI-DAQ for Macintosh is installed whenever you restart the Macintosh with the `NB_Handler INIT` file in the System folder. To remove NI-DAQ for Macintosh, drag the `NB_Handler INIT` file out of the System folder and restart the Macintosh. You can execute the example programs and language interfaces as soon as you complete the NI-DAQ for Macintosh software installation.

Note: The NI-488[®] software and the NI-DAQ for Macintosh software both contain the same `NB_Handler INIT` file. Only one of these files needs to be in the System folder for you to use this software. The software runs cooperatively on Macintosh computers for full utilization of the NB Series products.

NI-DAQ Utilities Control Panel Item

With the advent of the NI-DAQ software for Macintosh version 4.6, the `NB-Boards` control panel, the `NI-DAQ Config` control panel, and the `NI-DAQ Errors` desk accessory have been merged into a single accessory, the `NI-DAQ Utilities` control panel. If you are running Macintosh System 7 or later, place `NI-DAQ Utilities` in the Control Panels folder in your System folder; otherwise, place it in your System folder.

The new control panel combines the functionality of the original control panels into a single control panel. In the upper right corner of the new control panel is a menu that can be used to select the desired mode of the control panel. There are four possible modes, although only three are available at this time. The modes are as follows:

- Boards
- Board Configuration
- SCXI Configuration
- Errors

The `Boards` setting is the equivalent of the `NB-Boards` control panel with the exception that `NI-DAQ Utilities` will recognize slots located in an expansion chassis. As with `NB-Boards`, any board listed in boldface is a National Instruments board; all others are dimmed. The slot number used in the control panel is the same slot number that should be passed as an argument to any NI-DAQ for Macintosh function. Clicking on the slot button will display the I/O connector pin assignments for the National Instruments board in the corresponding slot.

The `Board Configuration` setting is not available at this time.

The `SCXI Configuration` setting is the equivalent of the `NI-DAQ Config` control panel. You use the `SCXI Configuration` utility to enter SCXI configuration information for the NI-DAQ for Macintosh drivers to use. If you do not have an SCXI chassis, you do not need to use this utility. This utility is functionally equivalent to and compatible with `NI-DAQ Config`. The first time the `NI-DAQ Utilities` control panel is run, it will read, translate, and erase the file used by `NI-DAQ Config`; the conversion process takes several seconds to convert the data and adjust the contents of the utility. Once `NI-DAQ Utilities` has converted the configuration file,

it will no longer execute the conversion routine, thus decreasing the time required to open the utility. With the new utility, you need to restart your system if and only if you added one or more chassis configurations when no chassis were initially configured. If you change from 0 chassis to 1 (or more) chassis, you *must* restart; otherwise, you can change SCXI settings, *close the utility*, and immediately access the settings through NI-DAQ for Macintosh. For more information on the SCXI settings, see Chapter 7, *SCXI Functions*, of the *NI-DAQ Software Reference Manual for Macintosh*.

The `Errors` setting is the equivalent of the NI-DAQ `Errors` desk accessory that was distributed with version 4.5 of NI-DAQ for Macintosh. This new utility provides an on-line listing of the error codes returned by NI-DAQ for Macintosh. In addition, at the end of the list of errors, there is a listing of the board ID numbers of all National Instruments boards.

To get help for the control panel, click on the *Help* button and follow the instructions, which tell you how to retrieve context-sensitive help.