# ATTO Firmware Read Me

## Introduction

If you are using Pro Tools with the Digidesign SCSI128 card or ATTO EPCI-UL3D SCSI Host Bus Adapter card, it is strongly recommended that you verify that you are using the proper ATTO firmware and (if necessary) update it.

This Read Me documents the following:

- Description of the contents of the ATTO Utilities folder, which is automatically installed by the Pro Tools Installer and contains all files needed for verifying and updating ATTO firmware
- Instructions for verifying and updating ATTO firmware

## Contents of ATTO Utilities Folder

The ATTO Utilities folder contains the following files:

**Atto Firmware Read Me.pdf** This file is this Read Me document.

**ATTOExpressPCI310.pkg** This file installs the ATTO drivers.

**Cfgtool** This file is the ATTO Configuration Tool, which is used to verify or update ATTO firmware.

**Flashbundle_2003_07_15UL3_33** This version of ATTO firmware ensures that the Digidesign SCSI128 card or UL3D SCSI Host Bus Adapter card is functioning at its maximum performance.

## Verifying and Updating ATTO Firmware

The cards listed below must be set correctly for maximum performance:

- Digidesign SCSI128 card
- ATTO EPCI-UL3D SCSI Host Bus Adapter card

If you are using one of these cards, it is recommended that you verify that you have the proper ATTO firmware and drivers, which are required to make sure that Mac OS X does not override the correct settings. This process involves the following:

- Install the ATTO Configuration Tool and drivers
- Check your firmware version (and update it if necessary)
- Set your SCSI card Burst and Sync Rates

*Installing Avid Xpress Pro may also install older versions of ATTO drivers. Make sure that you have already installed Avid Xpress Pro before updating ATTO firmware and drivers.*

## Installing the ATTO Configuration Tool and Drivers

**To install the ATTO Configuration Tool and drivers:**

**1** On your computer, navigate to the ATTO Utilities folder and double-click the ATTO Configuration Tool Installer (Cfgtool).

**2** Follow the on-screen instructions to install the ATTO Configuration Tool.

*You do not need to restart the computer after installing the ATTO Configuration Tool.*

**3** In the ATTO Utilities folder, double-click the ATTO Drivers installer (ATTOExpressPCI310.pkg).

**4** Follow the on-screen instructions to install the ATTO drivers.

**5** Restart your computer.

## Checking and Updating Your Firmware Version

**To check your firmware version (and update it if necessary):**

**1** Locate and launch the ATTO Configuration Tool.

**2** Click the triangle next to Hosts.

**3** Click the triangle next to Localhost.

**4** In the list under Localhost, click the name of the host bus adapter to select it.

**5** Click the Flash tab to display the version of the currently installed firmware. Make sure that you are using version 1.6.6fo of the firmware.

**6** If the firmware needs to be updated, do the following:
- Click the Browse button in the Configuration Tool window.
- Navigate to the file called Flashbundle_2003_07_15UL3_33, located in the ATTO Utilities folder, and double-click it.

## Setting Your SCSI Card Burst and Sync Rates

**To set your SCSI card Burst and Sync Rates:**

**1** Locate and launch the ATTO Configuration Tool.

**2** Click the triangle next to Hosts.

**3** Click the triangle next to Localhost.

**4** Click the triangle next to the name of the host bus adapter.

**5** Click the first HBA channel to select it.

**6** Under the Common NVRAM Configuration section, select 16 ms from the Selection Timeout pop-up menu.

**7** From the PCI Burst Rate pop-up menu, select 128.

**8** From the Fallback Sync Rate pop-up menu, select 20.

**9** Scroll down to the SCSI Target NVRAM Configuration section, and use the Specified Target pop-up menu to select the correct SCSI ID.

**10** From the Sync Rate pop-up menu, select 160 DT.

**11** Click the Commit button.

**12** Repeat steps 5 through 11 for the other HBA channel.

**13** Quit the ATTO Configuration Tool and restart the computer for settings to take effect.