ADS Technologies Inc.
Technical Support Dept.
June 03, 2002

Firmware Modification Procedure:

WARNING:
- **Make sure that other Firewire devices are not connected except for the Pyro Drive Kit (alone) that is experiencing the problem.**
- **Make sure that the PC is freshly booted.**
- **Changes on the firmware other than this instruction intend WILL VOID the warranty and may malfunction.**

Before you start

- Please ensure that you have Winzip installed in your computer. The software is available for free from www.winzip.com

- Make sure that other Firewire devices are not connected except for the Pyro Drive Kit (alone) that is experiencing the problem.
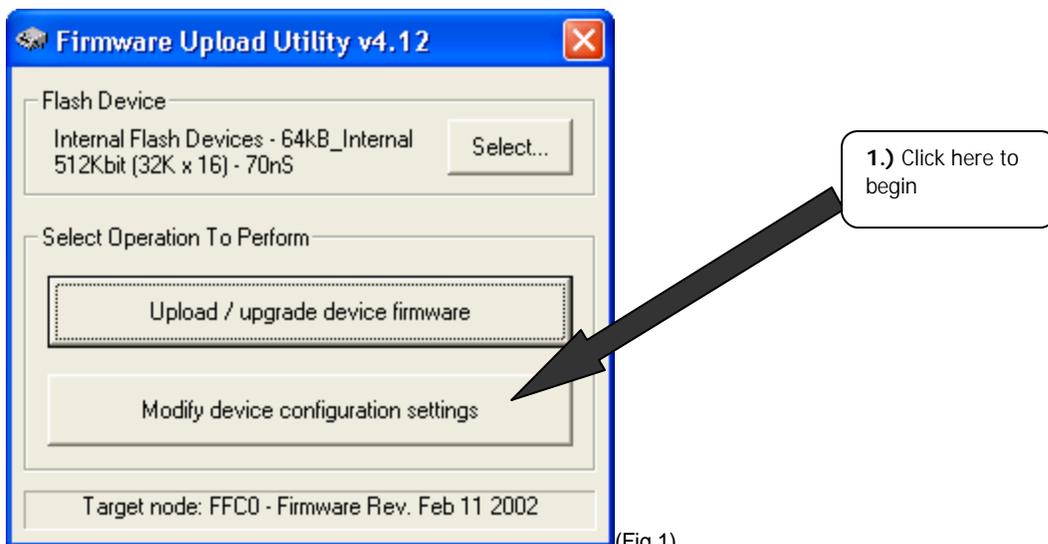
Installation:
Open the file Drive Kit Mod.zip and run "Setup.exe", proceed with the installation. After the installation restart the computer.

Starting and running the Application:
        - Click on "Start" and click on "Run"
        - Type down "C:\Program Files\Oxford Semiconductor\OXFW900 Uploader " and press
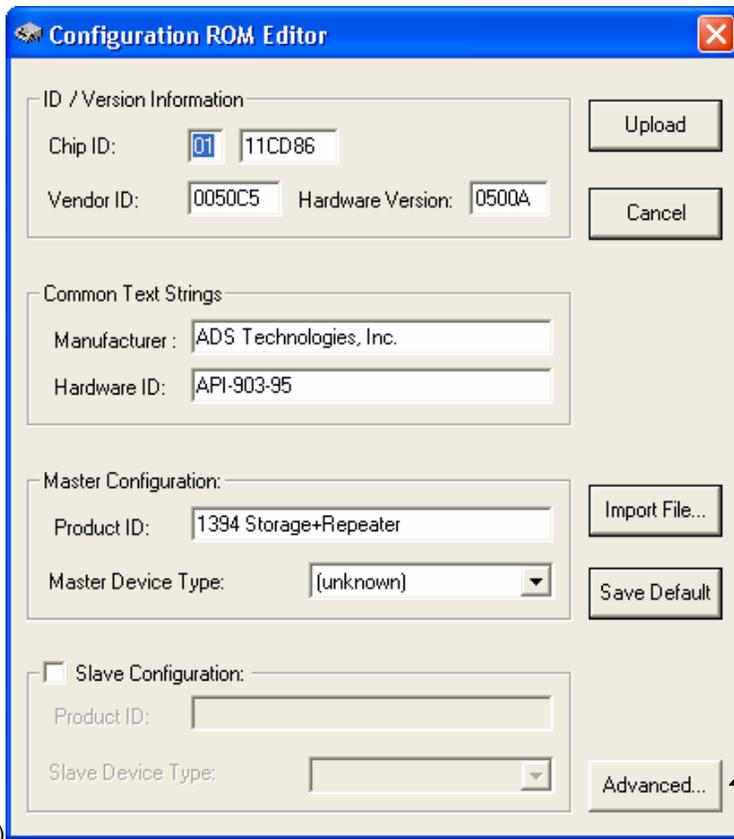OK
        - On the new window, open the icon called "FWUpload" and you will see the window like the one below (fig1) and follow the instructions in the boxes which are in order.
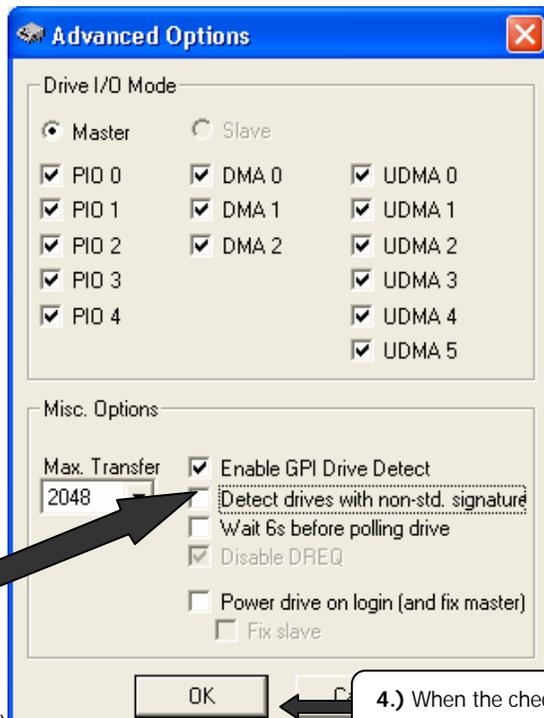

(Fig 1)

NOTE: Disregard other info that you see in the pictures such as Firmware Rev, Flash Device, etc. it can be different as what you have or see.

See next page for further steps

Configuration ROM Editor

ID / Version Information
Chip ID: `01` `11CD86`

Vendor ID: `0050C5` Hardware Version: `0500A`

Upload

Cancel

Common Text Strings
Manufacturer : `ADS Technologies, Inc.`

Hardware ID: `API-903-95`

Master Configuration:
Product ID: `1394 Storage+Repeater`

Master Device Type: `(unknown)`

Import File...

Save Default

☐ Slave Configuration:
Product ID:
Slave Device Type:

Advanced...

(Fig2)

2.) Click here (Advanced) to proceed.

Advanced Options

Drive I/O Mode
⦿ Master   ○ Slave

☑ PIO 0 ☑ DMA 0 ☑ UDMA 0
☑ PIO 1 ☑ DMA 1 ☑ UDMA 1
☑ PIO 2 ☑ DMA 2 ☑ UDMA 2
☑ PIO 3   ☑ UDMA 3
☑ PIO 4   ☑ UDMA 4
                  ☑ UDMA 5

Misc. Options
Max. Transfer ☑ Enable GPI Drive Detect
`2048` ☐ Detect drives with non-std. signature
        ☐ Wait 6s before polling drive
        ☑ Disable DREQ
        ☐ Power drive on login (and fix master)
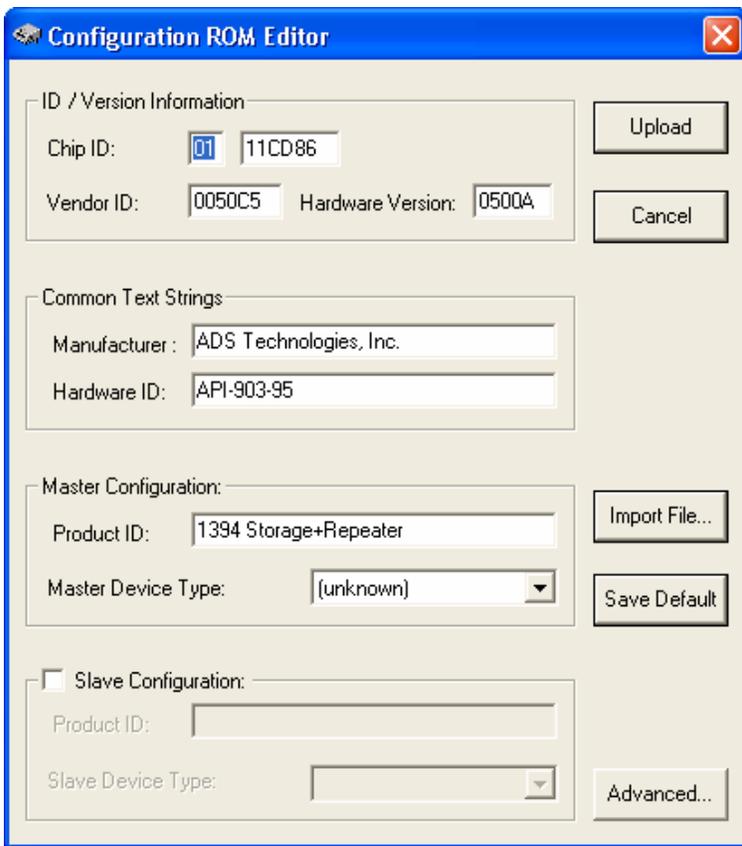   ☐ Fix slave

OK

3.) Add a check mark next to "Detect drives with non-std. signature

4.) When the check mark is added, click "OK"

(Fig 3)

See next page for further steps

(fig 4)

    a. When the upload is finished or the bottom of the screen says "Ready", disconnect the Pyro Drive Kit and close the application
    b. Turn off the Pyro Drive Kit from the power for 5 seconds
    c. After 5 seconds. Turn it back on
    d. Reconnect the firewire connection. Upon reconnection, proceed now with your intended use of this drive kit as it should operate normally.

Issues/Notice:

    - The Pyro Drive Mode selector may not show the vendor field correctly, this is normal after the firmware updater is installed
    - There is no need to use the Pyro Drive Mode selector to configure the Pyro Drive Kit that has a firmware dated October 2000 or later.
    - Other modifications to the firmware than this document suggested will void warranty and may cause the drive kit to malfunction.