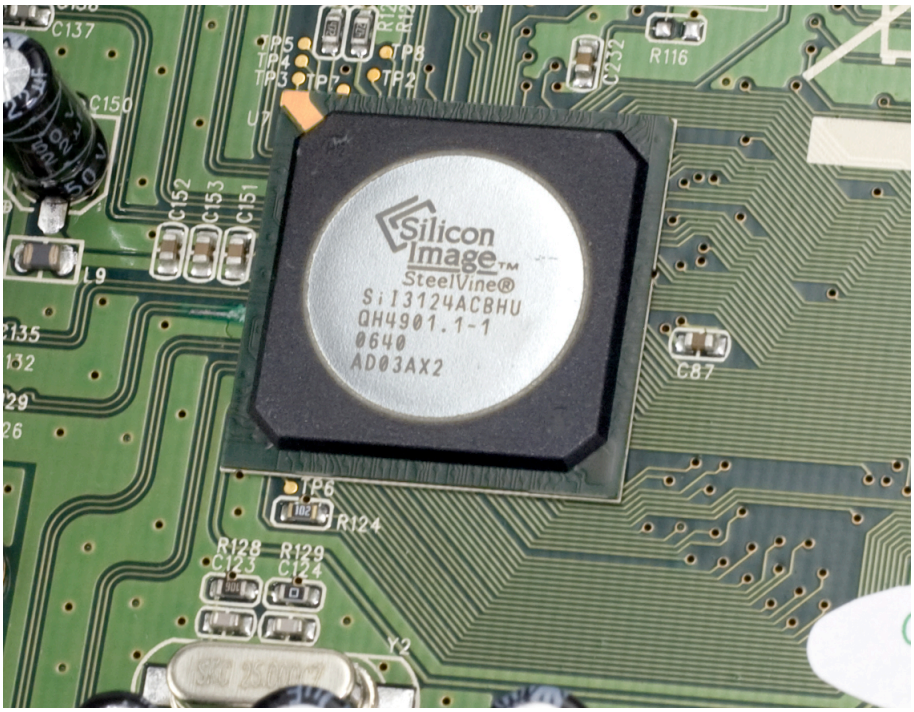



By Brian Bellman

# Macintosh Port Multiplier Software Setup and Installation Guide

Requires OS X 10.4.9-.10.5.x

See Silicon Image website http://www.siliconimage.com/ for drivers previous to 10.4.9

These instructions are only for port multiplier eSATA cards with 3124 or 3132 chipsets. All of these cards require drivers to be installed before the drives will show up. This will not work for non-port multiplier eSATA cards.

1) **Install the hardware eSATA port multiplier card.** Please consult the manufacturers manual for installation details.

2) **Identify the eSATA Card you have and browse to the appropriate folder on the OWC CD.**

   3132= an eSATA card with 2 external eSATA ports
   3124= an eSATA card with 4 external eSATA ports

3) **Decide what you would like to do and install the appropriate driver from the OWC CD.**

   DO NOT INSTALL BOTH DRIVERS! IF YOU CHANGE YOUR MIND AND WANT TO CHANGE THE CARD SETUP FROM ONE CONFIGURATION TO THE OTHER YOU WILL NEED TO UNINSTALL THE INSTALLED DRIVER FIRST DO THIS BY BROWSING TO ITS FOLDER ON THE OWC CD AND DOUBLE CLICKING ON THE UNINSTALL FIRST. NEXT RESTART THEN INSTALL THE DRIVER FOR THE SETUP YOU WANT TO SWITCH TO. FAILURE TO DO SO WILL RESULT IN THE CARD AND OR DRIVES NOT WORKING.

   **A) <u>Setup The Card for Individual Drives</u>.** Also for use with Apples Disk Utility Software RAID. Double click on the Individual Drive folder on The OWC CD and double click the .pkg under that folder.

**B) <u>Use the Hardware RAID Built into the SATA Card</u>.**
Used for setting up RAID 0,1,5,10 (Contiguous, Concatenated, Striped, Mirrored, Mirrored Striped, and Parity). Double click on the RAID Drive folder on the OWC CD and double click the .pkg under that folder.

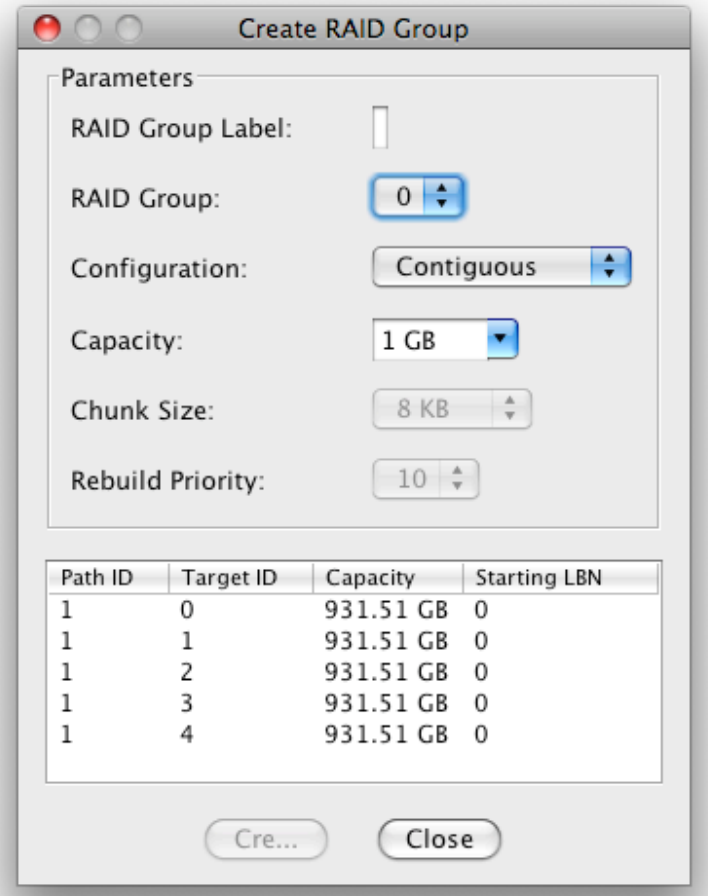
## 4) After the driver is installed connect your enclosure(s), power them on and restart the computer.

If you have installed just the Individual Drives driver then skip to step "6)". If you are using the SATARAID5 Hardware RAID built in please proceed to the next step.

### 5) Configuring the SATARAID5 Software:

The software is located in /Applications/Utilities/Silicon Image.

Click on "SATARAID5Manager" Then click on "Create RAID Group"




**Choose the appropriate options for the RAID you are setting up:**
**RAID Group Label**=Name of RAID
**RAID Group**=ID number for that RAID
**Configuration**=Type of RAID
**Capacity**=Size of RAID (cannot be larger than the actual amount of space you have) SELECT MAX IF YOU WANT TO USE ALL THE SPACE YOU HAVE.
**Chunk Size**=Packet Size of DATA (If you are transferring a lot of large files like video choose the largest 128k)
**Rebuild Priority=**Priority of rebuilt; unless you know what you are doing leave this at the default setting.

Select all the hard drives you want to be part of that RAID in the box below. If you want to create multiple RAID's, hit "Create RAID Group" again and repeat the steps.

**6) All you have to do is initialize the drives and setup is complete.**

For more information on Initializing, formats, and formatting please see the OWC Tech Center formatting section at: http://eshop.macsales.com/tech_center/formatting.cfm

Click here or on "Formatting your Hard Drive for PPC or Intel based Macs".

**Troubleshooting:**

**Q:** When I open the SATARAID5 Manager Utility is says

"Silicon Image RAID controllers are NOT detected in the system.

**A:** You have both drivers installed and you need to uninstall the base or individual driver and then restart the computer. To do this browse to the appropriate card folder (3124 or 3132) and open the "Individual Drives" Folder and double click on the Uninstall. Enter your password (the account must have a password). Hit return, and restart the computer.