

TA5002

Quick Setup Guide

Version 1.0

Package Contents:

- TA5002 RAID system tower
- Five Serial ATA drive trays
- One external Serial ATA cable
- Utilities CD-ROM with drivers, User Manuals and SATARAID5 software utility
- Quick Setup Guide
- One eSATA controller (with Sil3124 chip)
- Screw driver and screws for hard drive mounting

Install the eSATA Controller



1. Turn off the host system.
2. Remove the cover of the host system.
3. Remove the inside slot cover of an available PCI or PCI-X slot on the motherboard.
4. Install the controller into the open PCI or PCI-X slot. Secure the bracket to the system's frame.
5. Fasten the controller card bracket to the system case.

Install Serial ATA Hard Drives



1. Use the provided screw driver push slightly into the hole next to the drive tray LEDs to unlock the drive tray.
2. Pull the drive tray out from the TA5002 drive bay.
3. Slide the Serial ATA hard drive into the tray and line up the screw holes on both sides.
4. Fasten the hard drive with the screws provided.
5. Slide the tray with the hard drive back into the TA5002 drive bay.
6. Push the handle until it clicks and the tray is locked in place.
7. Repeat step 1 to 6 to install additional hard drives or add drives later.

Setup the TA5002

1. Attach one end of the external Serial ATA cable to one of the external port on the card installed in the host computer.
2. Connect the other end of the external Serial ATA cable to the TA5002's eSATA port.
3. Attached the power cable to the TA5002 and the other end to the proper AC receptacle.
4. Turn on the TA5002 and the host computer.

Driver Installation

Drivers for Windows, Linux and Mac OS X are included on the utility CD-ROM. Please refer to the TA5002 User Manual for the drive installation procedures.

Contents of driver CD

1. \BIOS
BIOS flash tool "updfash.exe" for TA5002 controller and BIOS .bin files.
2. \Drives
Drivers for Win2K-XP, MAC and Linux. "Base" drivers are for TA5002 BASE BIOS (JBOD, default). "Raid" drivers are for TA5002 flashed with RAID BIOS. The Mac driver folder is also including SATARAID5 Utility for Mac.
3. \SATARAID5 Utility
SATARAID5 Utility for PC provided by Silicon Image (www.siliconimage.com).
4. \Manual
Manuals about setting up the TA5002 and using the software utilities provided.

Note:

1. You don't have to install all five drives to operate the TA5002. You can add drives later when it is needed. However, if you are setting up a RAID instead of JBOD, the RAID partition will not automatically expand. You will need to redo the partition in order to add a drive to the existing RAID.

2. The TA5002 controller on-board BIOS by default is flashed as BASE BIOS (filename: b6318.bin). With the BASE BIOS, the host system will recognize all the hard drives installed in the TA5002 system as individual drives. You can also use your OS Disk Management to setup RAID under the default BIOS (refer to your OS manual).

3. If you want to setup RAID with the SATARAID5 utility software provided on the CD, you need to boot from the utility CD on a PC (not on a Mac) and flash the on-board BIOS to RAID BIOS with the BIOS flash tool provided. The RAID BIOS is with filename r6318.bin under the \BIOS directory of the utility CD. Please refer to readme.txt file in the same directory for the instructions. You will need to install the SATARAID5 utility software to setup and make the OS recognize the drives after flashed to RAID BIOS.

4. For Windows user, you can use the Windows Disk Management to convert all the drives in the TA5002 to dynamic drives and setup the RAID volume with the default BASE BIOS. If you are planning to use TA5002 controller with RAID BIOS, DO NOT CONFIGURE THE RAID UNDER THE BIOS. Please use the SATARAID5 Utility software comes with the CD to setup the RAID. When updating the controller drivers, please make sure the driver versions of the "Sil3124 SoftRAID5 Controller" (under SCSI Device) and the "Pseudo Processor Device" (under System Device) in the Device Manager are the same.

5. For Mac user, you can use the Mac OS disk management to setup the RAID with the default BASE BIOS. If you are planning to use TA5002 controller with RAID BIOS connecting to the TA5002, the current RAID drive and SATARAID5 utility for Mac support OS X version up to version 10.3.9.

6. For LINUX user, you can use the Linux disk management to setup the RAID with the default BASE BIOS. If you are planning to use TA5002 controller with RAID BIOS connecting to the TA5002, please refer to www.siliconimage.com/support and search under product "Sil3124" for how to setup the SATARAID5 utility under different variants of Linux.

7. For latest updates of the drivers and SATARAID5 Utility, please visit www.siliconimage.com/support and search under product "Sil3124".