

# ATTO ExpressStripe



## RAID 0 and Volume Benchmarking Software for Mac OS X

*ATTO ExpressStripe for Mac OS X is a disk storage application that provides RAID 0 functionality and benchmarking software for the Mac OS X operating system. This software allows users to enhance the performance of their attached SCSI, Fibre Channel, FireWire, and ATA storage by taking advantage of the aggregate speed of several drives working together.*

*Mac OS X users who need the speed of a RAID solution to boost their attached storage need look no further than ATTO's ExpressStripe. This software allows users to create Standard and RAID 0 volumes, delete and manage volumes on attached storage. Its wizard-style interface guides users through the steps to configure and optimize storage for their applications, making it easy to get set up and working.*

*This software package also includes the ATTO Benchmark tool. This user-friendly benchmark utility reports and graphs the peak, average, and minimum read transfer rates.*

## TECHNICAL HIGHLIGHTS

- Compatible with Mac OS X version 10.3.X - 10.4.X
- Includes ATTO Benchmark utility
- Create Standard and RAID 0 volumes
- Wizard-style interface for easy creation and management of storage groups
- Creates multiple volumes simultaneously
- Supports volume sizes of up to 8 exabytes
- Supports the most popular storage protocols, including SCSI, Fibre Channel, FireWire and ATA
- Supports the ATTO ExpressPCI and Celerity FC host adapter product lines
- Support for multiple OS X file system formats
- OS 9 Compatibility Extension

ATTO Software

ATTO

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## Software Specifications

### Features:

- Easy to install and use
- OS 9 Compatibility Extension
- Supports multiple protocols, including SCSI, Fibre Channel, FireWire, and ATA
- Create RAID 0 and Standard volumes
- Create multiple volumes at one time
- Support for multiple OS X file system formats
- Support for volume sizes of up to 8 exabytes
- Striping interleave sizes of 4KB-4MB
- Retrieve drive information
- Visual representation of volumes to make set up easy (Figure 1)
- View partition map
- View System Information (Figure 2)
- Support for multiple OS X file system formats
- Supports SCSI and Fibre Channel drive hot swap (v 3.0 or later)

## System Requirements:

- Supports OS X version 10.3.X – 10.4.X
- Host adapter (for SCSI and FC storage)
- Optimized for ATTO ExpressPCI SCSI & FC host adapters, as well as ATTO Celerity FC storage adapters
- Minimum of one hard drive for standard volumes
- RAID 0 volumes require two, or more, hard drives

## Benchmarking: (Figure 3)

- Tests the Read transfer rates of your drives at a variety of block sizes (up to 8MB)
- Reports peak, average and minimum Read transfer rates
- Graphs the average Read transfer rate across all transfer sizes tested
- Ability to create a sample file of various sizes (up to 80MB)
- Benchmark results are displayed in an auto-scaling, easy-to-read graph

Figure 2 - System Information

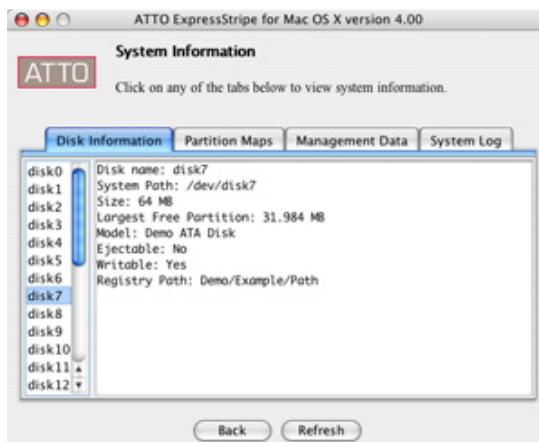


Figure 3 - Benchmark Tool

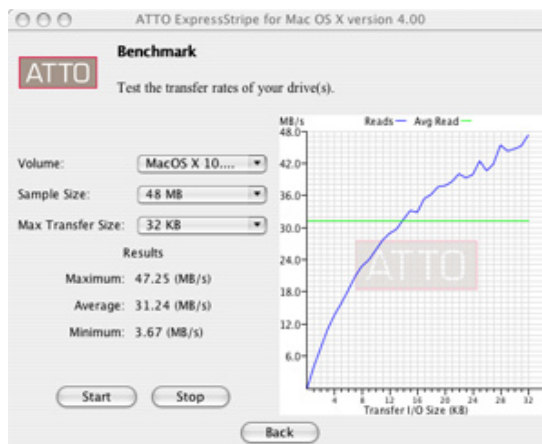


Figure 4 - Data Storage Diagram Created using ExpressStripe

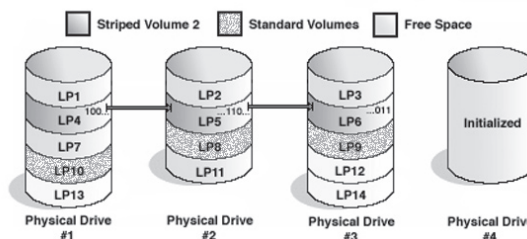
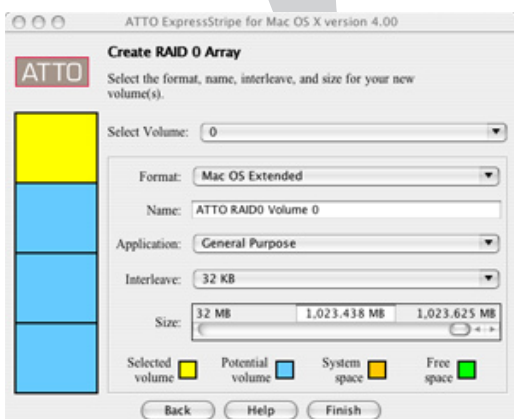


Figure 1 - Creating RAID 0 volumes



Data has been striped (Striped Volume 2) across LP4, LP5, and LP6. LP8 is a Standard volume using one partition and LP9 + LP10 is a Standard volume using two partitions. Physical Drive 4 is a free partition that can be used to create Standard or RAID 0 (Striped) volumes.