MiniPro 2-Bay RAID System
User Manual

For more information, visit our website at www.oyendigital.com

(1) Specifications

Application	• 2 x 2.5" SATA Hard Drives (up to 12.5mm height)
Interface/Ports	• eSATA • FireWire 800 • USB 3.0 Super Speed
RAID Modes	• RAID 0 Striping • RAID 1 Mirroring
System Requirements	• Windows XP/7/8 or higher • Mac OS 10.4 or higher
Operating Environment	• Temperature: 5°C ~ 40°C • Humidity: 10%RH ~ 80%RH
Storage Environment	• Temperature: -20°C ~ 70°C • Humidity: 5%RH ~ 90%RH
Power	Input: AC 100-240V, 50-60Hz; or bus power Output: DC +12V/2A
Enclosure Size	5.2 x 3.5 x 2.2 inches

(2) Detailed View

LED indicators:

A B Green = Solid (normal), Blinking (read/write activity)
Red = Blinking (Drive Error)

Orange = Rebuilding data

(3) Installing Drives

To install or exchange drives, do the following:

a) Remove the screws located at the backplate of the case and slide out the HDD brackets from the enclosure.

(4) Installing Drives (cont.)

b) Mount the HDD bracket to the drive using the included screws.

c) Insert the HDDs into the MiniPro and reinstall the backplate.

(5) System Set Up

If you are installing **new drives**, you must format the volume before it is accessible.

1. Connect the MiniPro to the computer. Power the MiniPro from the AC adapter or FireWire bus power.

2. The system is defaulted for RAID 1 Mirroring for data redundancy. To change the mode to RAID 0 Striping (HDD A & HDD B merged), configure the mode by navigating through the LCD menu as shown in section 7.

3. After the RAID is configured, use Disk Management on the PC or Disk Utility on the Mac to format the volume.

Windows: http://oyendigital.com/FAQs.html#10
Mac: http://oyendigital.com/FAQs.html#8

If you are installing **existing drives** that already have data, please note that HDD A will be the master. The data from HDD A will be automaticallly copied to HDD B and overwrite any existing data on HDD B.

(6) Power

The MiniPro RAID can be powered using the included AC adapter or the FireWire connection. **To power the unit from FireWire bus power but use USB 3.0 or eSATA for data:** Connect the MiniPro to your computer using the USB or eSATA cable. Connect the FireWire cable from the MiniPro to the computer. The MiniPro will then use the FireWire connection for power, but the USB 3.0 or eSATA connection for data.

(7) LCD Menu

The LCD menu provides the ability to view system information and configure the RAID mode, alarm sounder and backlight. Press Select to enter the menu.
• **RAID Mode** (Default = RAID 1): This setting configures the RAID mode.
• **Alarm Setup** (Default Off): Enables a sounder to annunciate when an HDD error exists or the unit is not connected to a computer.
• **Backlight Setup** (Default = On): Enables/disables the LCD backlight.

Select = Select menu or mode
OK = Confirm or Enter

Note: The unit must be connected to a computer when configuring.

(8) Rebuild

If one of the HDDs fails, the HDD LED will blink RED. A new HDD can be installed and it will automatically rebuild with data (if configured for RAID 1 mode). **Note**: The use of identical HDDs from the same manufacturer, with the same capacity and RPM is recommended.

1. Power down the MiniPro RAID.
2. Remove the failed HDD.
3. Install the new HDD and power up the MiniPro.
4. The orange rebuild LED will illuminate and the LCD will indicate a rebuild in progress. The rebuild process can take several hours.

(9) Troubleshooting

If the system experiences an HDD failure:
The LED for the HDD will blink red and the LCD will display the following message: "RAID Warning, Degraded Array."

If the system experiences a communication failure:
When the MiniPro is not connected to a computer or not able to communicate with an HDD it will display "No Communication." The LEDs for the HDDs will be GREEN if the drive status is healthy. Simply check the connection to the computer.

(10) Warranty Information

This product includes a two (2) year repair/replacement warranty provided by Oyen Digital. This warranty is non-transferable and is limited to the original purchaser. Warranty service may be requested by completing the form at the following link: www.oyendigital.com/rma-request-form.html