

LINDY®

CONNECTION PERFECTION

1x SATA Host to 2x Drives 6Gbps H/W RAID Adapter

User Manual

English



LINDY No. 51017



www.lindy.com

1. Introduction

One SATA Host Port connects two drives and supports Hardware RAID 1, RAID 0, SPAN (Big Drive) and PM (2Drives) modes.

1.1.

Features

- o SATA III 6Gbps Hardware RAID Vertical Adapter
- o Supports SATA I, SATA II, SATA III Host
- o Configuration Jumper supports RAID 1, RAID 0, SPAN (Big Drive) and PM (2Drives) Modes
- o Not support PM (2Drives) Mode if no Port Multiplier compatible SATA Host connection
- o RAID 1 mode supports one Host Port connects two drives and protects the data from a disk failure by automatically writing identical data on 2 drives
- o On board 22Pin SATA female connector directly attaches to primary SATA Drive.
- o One 7Pin SATA connector to 2nd SATA Drive
- o Supports SATA III, SATA II and SATA I Drive
- o Auto-negotiation support for 1.5Gbps, 3Gbps and 6Gbps SATA drives
- o Fully compliant with Serial ATA specifications 3.0
- o Supports Native Command Queue (NCQ)
- o 100% OS-transparent Hardware RAID bridge converter to support PC, MAC and Linux, no driver required

2. Hardware Installation & RAID Setting

RAID Mode Setting or Mode Change will erase the data or metadata in your existing drives. User can't utilize the data of existing drives that connected to this adapter, except adapter configured in PM mode.

When change the RAID mode, you shall initialize the adapter and drives by setting the RAID mode to "RAID Initial Mode" (same as PM Mode) as below procedure, then set RAID Mode again to your desired Mode.

RAID Mode	Description	Short Pins
R0	RAID 0	1-2, 4-5
R1	RAID 1, Mirror	2-3, 4-5
SP	SPAN, JBOD	1-2, 5-6
PM	Port Multiplier, RAID initial Mode	2-3, 5-6

- 1) Attach 22-pin **D-SATA1** connector to the back of one SATA Drive, and connect 7-pin **D-SATA2** connector to the other SATA Drive.
- 2) Connect **H-SATA** connector to SATA host port.
- 3) Plug Power cable to **PWR** connector but don't turn on the power until step 6.
- 4) Set RAID Jumpers for the desired RAID mode or RAID Initial Mode
- 5) Set **J2** jumper to short on SET – GND.
- 6) **Turn on** the power connected to **PWR**.
- 7) After Boot Messages show up on PC screen, set **J2** jumper to short SET – NC.

3. LED Indication

Description	LED
Adapter Powered On and RAID status OK	OFF
HDD Activity	Flashing
Degraded Array/Failed RAID	ON
RAID rebuilding	Pulsing LED (Long Flash 1 sec with pause 1 sec)



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 (1) this device may not cause harmful interference,
 and (2) this device must accept any interference received, including interference that may cause undesired operations.