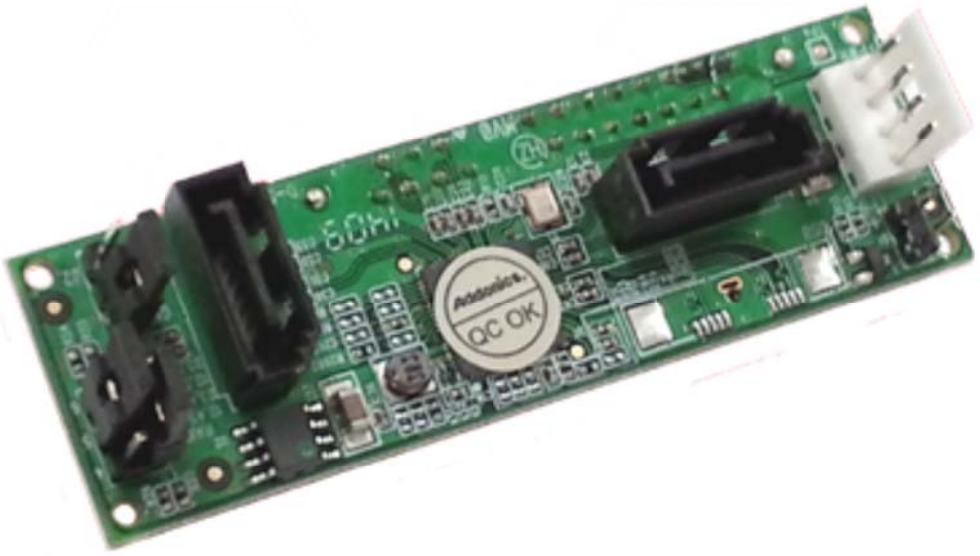
User Guide



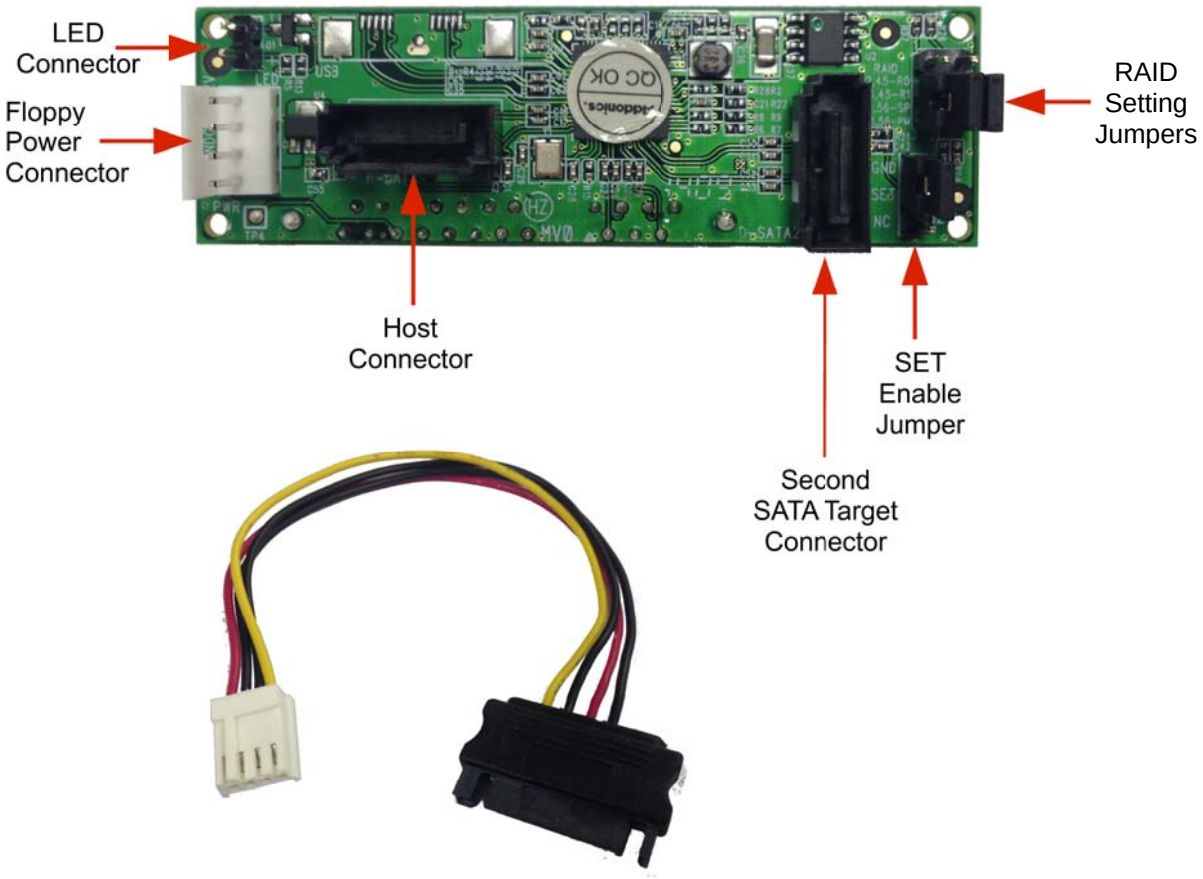
Drive-mount 2-Port 6G HPM (AD2HDDHP6G)

www.addonics.com

Technical Support
If you need any assistance to get your unit functioning properly, please have your product information ready and contact Addonics Technical Support at:

Hours: 8:30 am - 6:00 pm PST
Phone: 408-453-6212
Email: http://www.addonics.com/support/query/

Overview



eSATA to Floppy Power Adapter Cable

LED Connector: Glows to indicate power, blinks to indicate I/O with the host.
SET Enable Jumper: Place shunt on SET and GND to enable RAID Setting jumpers. Place shunt on SET and NC to disable RAID Setting Jumpers.
RAID Setting Jumpers: Refer to RAID Setting section.

Installation

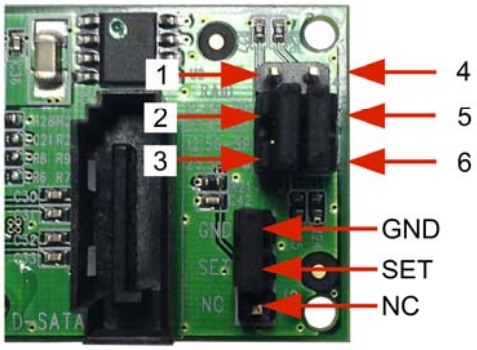
1. If desired, set the Jumpers as discussed below for a RAID Mode. The HPM is set to JBOD Mode by default.
2. Connect the HPM Directly onto the back of a standard 2.5” or 3.5” SATA device.
3. Connect power from floppy power cable, or from eSATA through the eSATA to Floppy Power Adapter Cable if needed.
4. Connect the HOST Connector to a SATA controller.
5. Connect the Second SATA Target Connector to another SATA device.

Port Multiplier Compatibility

When set for individual drives, the Port Multiplier built into this device will only work with a Port Multiplier aware SATA host adapter. Identify your host controller and check with its hardware manufacturer if you are unsure. Addonics offers several Port Multiplier aware host adapters.

RAID Setting

To enable RAID Setting Jumpers, be sure the SET Enable Jumper is on SET and GND. After setting the RAID Mode, the SET Mode Jumper may be moved to SET and NC to preserve the setting.



RAID Setting Jumpers

Individual Drives

Connect pins 2 and 3, 5 and 6.

With a Port Multiplier compatible controller, each mSATA device will appear as an individual drive. One or both media may be used. All other modes require both media.

RAID 0

Connect pins 1 and 2, 4 and 5.

RAID 0 involves “striping,” where the drives carry alternating sections of the overall space. RAID 0 is designed for high performance but is not
fault tolerant. Failure of either device will result in loss of all data.

RAID 0 requires identical capacity on both drives. If the two media are different capacities, the lower capacity drive determines “membership size.” The extra space on the other drive is unused.

RAID 1

Connect pins 2 and 3, 4 and 5.

RAID 1 “mirrors” the drives. Each drive carries a complete copy of the entire set of data. If either drive fails, the entire set of data is preserved on the other.

RAID 1 also requires identical capacity on both drives. If the two media are different capacities, the lower capacity drive determines “membership size.” The extra space on the other drive is unused.

A RAID 1 with a failed member may be “rebuilt” by replacing the failed media with one having capacity equal to or greater than the membership size.

LARGE

Connect pins 1 and 2, 5 and 6.

LARGE Mode “spans” the drives – the lowest portion of the overall capacity is contained on the First Target (the drive the HPM is attached to), the higher portion contained on the Second Target. All available space on both media is used, even if the drives are not the same size. This set is not fault tolerant. If one of the devices fails, some of the data may or may not be recoverable from the other.

Contact Us

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