Addonics
T E C H N O L O G I E S

Diamond Combo Hard Drive

DCHDSAES & DCHDIES
DCHDIEU & DCHDSAEU

User's Guide

Version 1.0

FCC Warning Statement
This equipment has been tested and found to comply with the limits for a class B digital device pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try and correct the interference by one or more of the following suggestions.
Reorient or relocate the receiving antenna
Increase the distance between the equipment and the receiver
Connect the equipment to a different power outlet other than the one where receiver is connected
Consult a certified television or radio technician

LIMITED WARRANTY
Addonics guarantees that every product is free from physical defects in material and workmanship during the warranty period specified for each product when used within the limits set forth in the Specifications section in the user guide. Unauthorized tampering of the product or using it outside the scope of the product specifications will result in voiding the warranty. If the product proves defective during this warranty period, call Addonics Technical Support to obtain a Return Authorization number. BE SURE TO HAVE YOUR PROOF OF PURCHASE ON HAND WHEN CALLING. RETURN REQUESTS CANNOT BE PROCESSED WITHOUT PROOF OF PURCHASE. When returning a product, mark the Return Authorization number clearly on the outside of the package and include your original proof of purchase. Customers are responsible for paying the shipping and handling of the products to Addonics warranty service location.
IN NO EVENT SHALL ADDONICS' LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, ITS ACCOMPANYING SOFTWARE, OR ITS DOCUMENTATION. Addonics makes no warranty or representation, expressed, implied, or statuary, with respect to its products or the contents or use of the user guide and all accompanying software, and specifically disclaims its quality, performance, merchantability, or fitness for any particular purpose. Addonics reserves the right to revise or update its products, software, or documentation without obligation to notify any individual or entity.

Hardware Installation Guide

Step 1
Use a Philips screwdriver to turn the cover securing screw into the "OPEN" position.

Step 2
Slide the aluminum cover towards the back end of the Diamond and remove it.

Step 3

For SATA Drive
Carefully place the SATA hard drive with the label facing up into the Diamond enclosure. Push the hard drive towards the back end to secure the drive connectors onto the Diamond enclosure's SATA connector.

For IDE Drive
Note: Set up your IDE hard drive as Master device

Connect the 4-Pin Molex cable to the power connector on the IDE hard drive. Carefully place the IDE hard drive with the label facing up into the Diamond enclosure. Push the hard drive towards the back end to secure the drive connectors onto the Diamond enclosure's IDE connector.
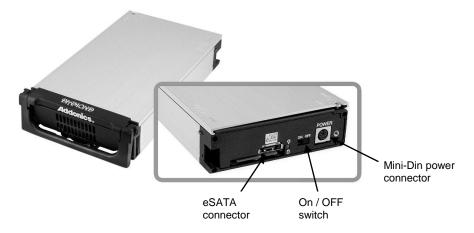
Step 4
Turn the Diamond enclosure over with the hard drive mounting holes facing up. Use the included flat head screws to secure the hard drive onto the bottom of the enclosure and turn in the screw to the "LOCK" position.

Cable Connections

Mini-Din power connector

eSATA connector

On / OFF switch

Power: Connect the 6-pin Mini DIN power cable (provided) to the 6-pin Mini DIN power connector located at the back of the enclosure.

Data:
Model: **DCHDSAES & DCHDIES**
Connect the eSATA to eSATA cable to the eSATA connector located at the back of the enclosure and the other end of the eSATA cable to the eSATA connector on your SATA host controller with eSATA ports.

Model: **DCHDSAEU & DCHDIEU**
Connect the eSATA to eSATA cable to the eSATA connector located at the back of the enclosure and the other end of the eSATA cable to the eSATA connector on the USB2.0 to eSATA adapter. You can now plug the adapter to a USB port on your system.

Powering On Enclosure: To power on the enclosure, move the switch located at the back of the enclosure to the ON mode. When the switch is turned on, the LED light beside it would light up to indicate power and also drive access.

Note: **There are no drivers needed to use the eSATA cable as long as the drivers are installed for the Serial ATA Controller card/chip. It is plug and play.**

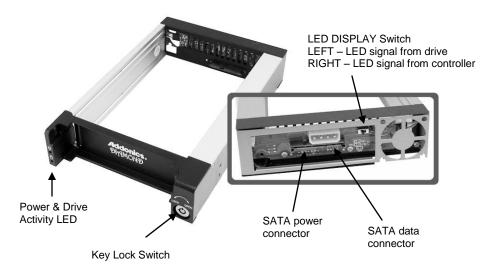**Cable Connections When Used as an Internal Hard Drive**

Power: Use either the 4-pin Molex or the 15-pin SATA power connector. Do not use both power sources simultaneously.

Data:
Connect the SATA cable to the SATA connector located at the back of the drive cradle and the other end to the SATA connector on your SATA host controller or onboard SATA port.

LED cable: Only needed if you want to get drive access signal from the SATA controller. Use the LED cable to connect the LED pin located at the back of the cradle (beside the LED switch) to the LED jumper pins on your SATA host controller or onboard SATA port to enable the drive activity LED.
Factory default, LED signal coming from hard drive.

Powering On Drive Cradle: To power on the drive cradle, slide in the Diamond cartridge and using the key (supplied), turn the cradle lock located at the front of the cradle to the LOCK position. This will provide power as indicated by the green LED lighting up and secure the cartridge.

LED DISPLAY Switch
LEFT – LED signal from drive
RIGHT – LED signal from controller

Power & Drive Activity LED

Key Lock Switch

SATA power connector

SATA data connector

Technical Support

If you need assistance to get your unit functioning properly, please call Addonics Technical Support. Our technical staff will be happy to assist you, but they will need your help to do so. Calling the technical support staff without all the proper information can be both time consuming and frustrating. Here are some tips to help you out:

> MODEL NUMBER – Please have this number on hand.
> SYSTEM INFORMATION – Type of computer, peripherals, etc.
> OPERATING SYSTEM – What version of Windows
> WHAT'S THE TROUBLE? – Give enough information
> > about your problem so that we can recreate and diagnose it.

FREE Software Drivers for all Addonics Technologies
Products are available 24 hours per day at the
World Wide Web Site: www.addonics.com**.**

Contact Information
Phone: 408-433-3899
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Hours: 8:30 am - 6:00 pm PST
Email: http://www.addonics.com/support/query/