

User Guide

Diamond Cipher AES 256-Bit ExDrive (DCED256ES / DCED256EU)

www.addonics.com

v7.1.11

Technical Support

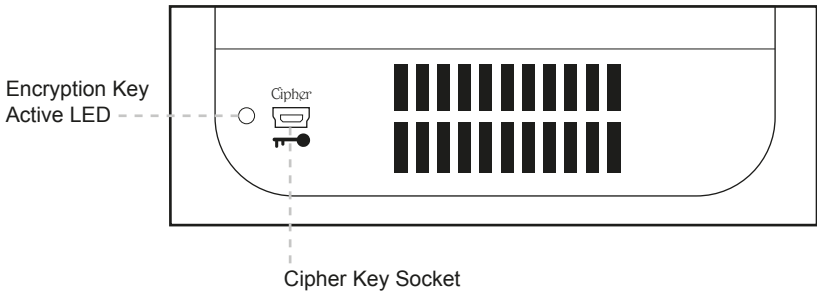
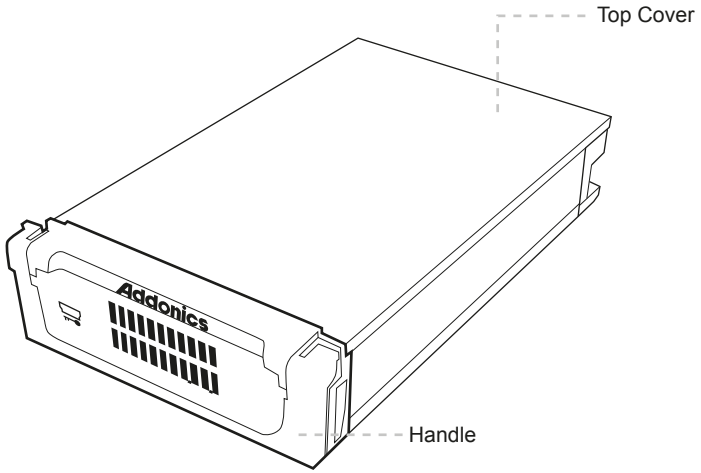
If you need any assistance to get your unit functioning properly, please have your product information ready and contact Addonics Technical Support at:

Hours: 8:30 am - 6:00 pm PST

Phone: 408-453-6212

Email: <http://www.addonics.com/support/query/>

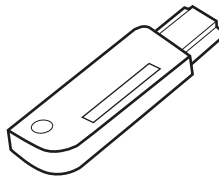
Enclosure Overview



Diamond Cipher key

Check to make sure you have the correct version of the Diamond Cipher key. The key should match the label at the back of the drive enclosure.

Black label AES-256 stands for Diamond Cipher 256-bit key



IMPORTANT

There is no back door for the Diamond Cipher encrypted hard drive if the key is lost or stolen.

To ensure there is a spare key, your Diamond Cipher bundled kit comes with one pair of Diamond Cipher keys. These 2 keys have identical encryption code. One of these keys should be kept in a safe and secure location and can be sent back to Addonics for duplicating additional keys. If you are down to the last key, be sure to make a back up of all the data stored inside your encrypted hard drive prior to sending the last key to Addonics. Addonics is not responsible for key lost in the mail or retrieval of the data inside the encrypted hard drive.

- The CIPHER key **MUST** be inserted at the front of the drive enclosure in order for the drive to be **ACTIVATED**.
- Once the drive is **INITIALIZED** using the Cipher Key that comes with the kit, the drive can only be accessed by the original key.
- The 2 keys that come with each Diamond Cipher bundled kit has their own unique encryption code. So the keys among different kits are not interchangeable.
- If you have multiple sets of Diamond Cipher kits and would like all the keys to have the same encryption code, you may make this request at the time of your order or mail the keys together with master key back to Addonics to recode them for you. Again be sure that you keep a spare key with you. Make a back up of your data if you are mailing in your last key.

Keeping track of the hard drive

If you are using the Diamond Cipher drive enclosure to encrypt multiple hard drives, it is important to label your hard drive if you are taking the drive out of the enclosure. The hard drive with Diamond Cipher encryption will look like a brand new drive when attach directly to the SATA controller of a computer. There will be no partition or any hint to indicate that the drive contains encrypted data. When the drive is partitioned, all the encrypted data will be lost.

The same holds true if a hard drive already has data on it is installed into the Diamond Cipher drive enclosure. The computer detects the hard drive as a brand new drive or a drive that is unallocated. Once you proceed to partition the drive, the data that was on the hard drive will be erased and cannot be recovered.

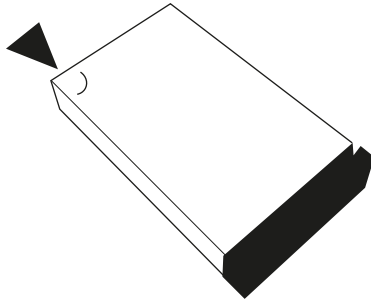
A Diamond Cipher encrypted hard drive can be moved to another Diamond Cipher drive enclosure. But the same key used in encrypting the hard drive must be used in the new drive enclosure in order to access the drive.

If you are installing multiple Diamond Cipher drive kits in your organization, it is important to keep track of the drive and the encryption key. Once it gets mixed up, there is no possible way to recover the data on the encrypted hard drive.

Hardware Installation Guide

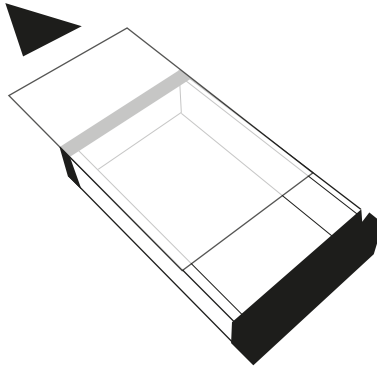
Step 1

Use a Philips screwdriver to turn the cover securing screw into the “OPEN” position.



Step 2

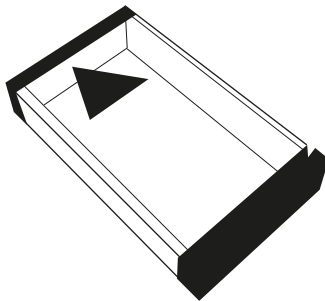
Slide the aluminum cover towards the back end of the Diamond and remove it.



Step 3

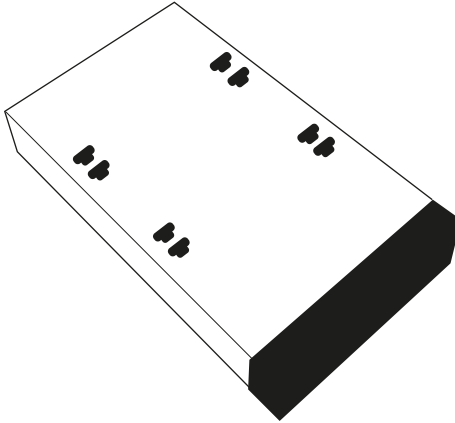
For SATA Drive

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.

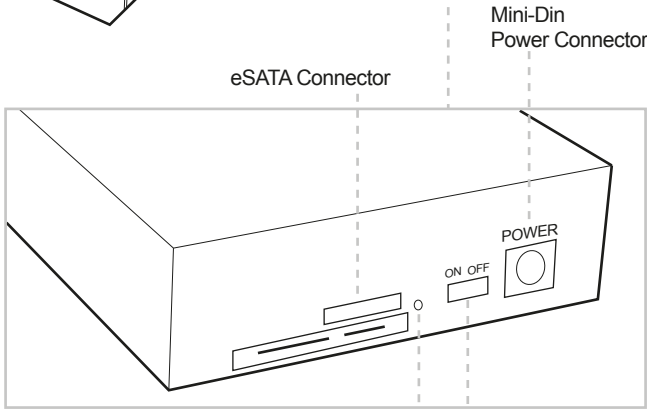
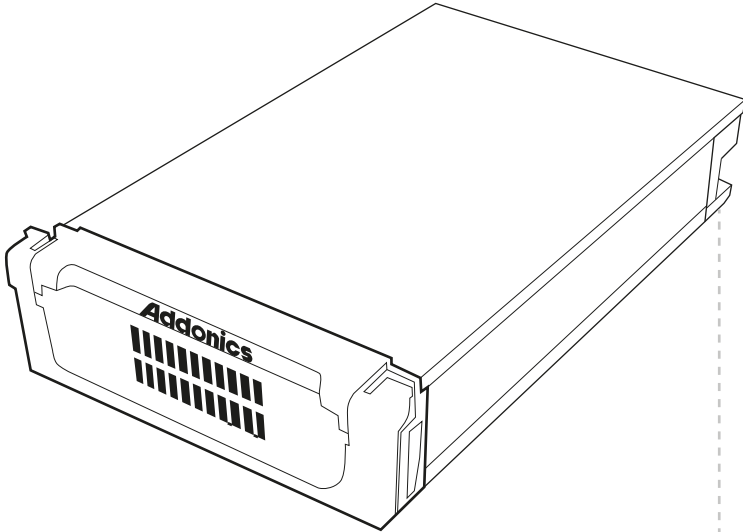


Step 4

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



Power and Drive Activity LED from Hard Drive

Mini-Din
Power Connector

eSATA Connector

Power 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: DCED256ES

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: DCED256EU

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:

Note: Be sure the Diamond cipher key is inserted into the drive enclosure prior to turning on the power of the drive cradle. The hard drive will not be detected by the computer if the power to the drive cradle is turned on without the Cipher key. Under such condition, the power on the drive cradle will have to be turned off and turned back on again with the Cipher key already inserted into the drive enclosure in order to detect the hard drive.

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.

Brand New Hard drive must be partitioned and formatted first before a drive letter is assigned by the OS.

CONTACT US

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