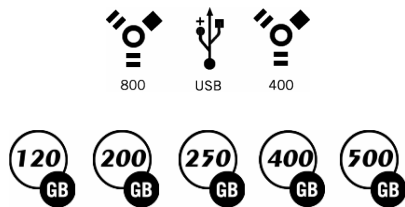




## ROCBIT 3

USB  
FIREWIRE 400 & USB  
FIREWIRE 800 & USB  
**ENCRYPTED EXTERNAL HARD DRIVES**



division of [www.ROCSTOR.com](http://www.ROCSTOR.com)

## ROCBIT 3

### INTRODUCTION:

The Rocsecure Rocbit 3 external hard drives are industry's most versatile, real-time hardware encrypted storage solution available. Rocbit 3 USB2.0 and FireWire Combo interface drives offer security-sensitive users a wide range of NIST certified DES (Data Encryption Standard) and TDES (Triple DES) encrypted algorithms. Rocbit 3.5" drives are designed with DES/TDES 40/64/128 or 192-bit real-time hardware data encryption security performance which effectively intercept, interpret, translate and relay IDE data commands to and from disk drives in "real-time". Rocsecure drives offer the technologies you need to keep you data secure and safe.

### KEY FEATURES:

- Delivers "Real-Time" performance over software encryption
- Secured with DES/TDES, 40/64/128 or 192 bit HARDWARE encryption
- Keeps data-at-rest confidential by preventing unauthorized access
- Anti-shock protection enclosures
- Delivers significant performance improvement over software encryption
- Eliminates platform dependency
- Minimizes total cost of ownership (TCO)
- Requires no additional training

## **FEATURES:**

- Supports Hi-Speed USB data transfer speed of up to 480Mbps, and IEEE 1394a data transfer speed of up to 400Mbps.
- USB Mass Storage Class offers driverless in Windows XP, 2000, and ME.
- Easy to connect by plug-n-play.
- Combines enclosure and 1394 repeater functionality.
- Maximizes thermal protection with Aluminum construction.
- Provides robust HDD fixing mechanism to reduce risk of HDD damage during movement.
- Prevents drop damage to HDD with anti-shock design.
- Supports DES/TDES 40-bit\* hardware encryption security

\*The standard shipment is with encryption of DES/TDES 40-bit key strength. The designs with 64/128/192-bit encryptions are available by request at this time.

## **What is Encryption?**

Data encryption is a process used to hide the true meaning of data. The word "encryption" has been coined from the word "cryptography" which was derived from the ancient Greek words "kryptos" (hidden) and "graphia" (writing). Encryption is the sophisticated mathematical calculation (or algorithm) process of transforming text or data into an unintelligible form called cipher. Reversing the process of encryption and transforming the cipher back into its original form is called decryption. Encryption and decryption comprise the science of cryptography as it is applied to the modern computer.

## **What is an Encrypted Hard Drive Enclosure?**

Rocbit Encrypted HD enclosures provide Enova X-Wall® real-time hardware-based encryption. Every bit and byte

on the hard drive is strongly encrypted by DES (Data Encryption Standard) or TDES (Triple DES) algorithms. There is no possibility that clear text will remain on the hard drive.

## **What is the Secure Key and Why Use It?**

The Secure Key is a physical digital key that contains the "Secret Key" (number) necessary for encryption and decryption operations. The hard drive must be partitioned and formatted using the Secure Key, the first time the hard drive is used. When complete the entire content of the hard drive is associated with the unique Secure Key. Only a Secure Key containing the identical "Secret Key" can be used for authentication and decryption of the hard drive at power up.

## **Will Encryption Degrade Performance?**

Rocbit encrypted hard drives provide Real-Time and automatic TRANSPARENT ENCRPTION without performance degradation through the built-in X-Wall® microchip (encryption chipset), which operates at 1.6 Gbit/sec.

## **What about Compatibility Issues?**

Rocbit encrypted hard drives are compatible with every operating system found today. However, a host controller with a USB/1394 mass storage driver typically provided by the OS is required.

## **How do Rugged Rocbit Designs help protect your Hard Drive?**

In addition to strong real-time encryption and the Secure Key, the safety-centric mechanical designs of Rocbit external hard drives provide critical hardware protection.

Features including:

- Secure Fixing Mechanism of hard drive
- Anti-Shock Protection
- Enhanced Durability
- Thermal Protection and Load-Bearing rugged aluminum Case
- Error-proof Secure Key Design

**SPECIFICATIONS:**

**Transfer Rate:** (FireWire uses Oxford Chipset)

FireWire 800 Up to 800 Mbps

FireWire 400 (Std) Up to 400 Mbps

USB 2 (1.1) Up to 480 Mbps

**Connector**

Rocbit 3B:

- 9-pin FireWire, IEEE 1394b connector x 2
- 6-pin USB 2 (1.1) x 1
- One Secure key receptacle in 6-pin 1394a form

Rocbit 3A:

- 6-pin FireWire, IEEE 1394a connector x 2
- 6-pin USB 2 (1.1) x 1
- One Secure key receptacle in 6-pin 1394a form

Rocbit 3U:

- 6-pin USB 2 (1.1) x 1
- One Secure key receptacle in 6-pin 1394a form

**Power Supply**

- AC Adapter 5V/2A or 1394 Bus Power

**AC Input**

- 110V ~240V full range

**Dimension of Enclosure**

9.3" (L) x 5.2" (W) x 1.3" (H)

22.6 cm (L) x 13.3 cm (W) x 3.6 cm (H)

**Weight**

2.6 Lb, 1.2 Kg

**Certification**

FCC/CE

**PLEASE READ THOROUGHLY AND FOLLOW THE INSTRUCTIONS PROVIDED IN THIS MANUAL. FAILURE TO DO SO MAY RESULT IN DAMAGE TO THE HARD DRIVE ENCLOSURE AND ANY OR ALL OF THE CONNECTED DEVICES.**

**ROCBIT 3 CONTAINS ONLY TWO DIGITAL SECURITY KEYS; ROCSTOR/ROCSECURE DOES NOT KEEP ANY RECORD OF SUCH KEYS OR PASSWORDS. AT YOUR DISCRETION YOU MAY KEEP ONE KEY IN A SAFE PLACE.**

**PLEASE BE SURE TO REMEMBER AND/OR RECORD YOUR PASSWORD IN A SAFE PLACE. UNFORTUNATELY ROCSTOR/ROCSECURE CAN NOT REPLACE OR REPAIR PRODUCT WHICH HAVE BECOME INOPERABLE OR INACCESSABLE DUE TO LOSS OF PASSWORD OR THE SECURITY KEYS. THANK YOU.**

### Before Installation

You will be required to partition and format the new hard drive before use. **Always perform partition and format functions with the secure key plugged in; otherwise the hard drive cannot be encrypted.** After formatting the hard drive the secure key can be safely removed and the enclosure will operate normally. Performing partition and format operations will erase all the data on the disk.

**ROCSTOR (ROCSECURE) IS NOT RESPONSIBLE FOR ANY LOST DATA.**

### After Installation

**1)** Since the IEEE 1394 bus powers the IEEE 1394(b)/USB 2.0 enclosure; the secure key must be inserted before the IEEE 1394(b) connector. If the secure key is not inserted first, the host computer may not recognize the enclosure.

Similarly, the secure key must first be inserted in the encrypted USB 2.0 enclosure with USB Y-cable.

**2)** Plug in the secure key every time you connect the HDD enclosure to the host. You may remove the secure key after the host computer has detected the Rocbit 3.

**3)** Always keep the secure key with you. You will be required to insert the secure key when you power on your Rocbit encrypted Hard Drive enclosure. Without the same secure key, the host is not able to detect the Rocbit hard drive when powered on. Once you have accessed your hard drive the secure key may be removed. The hard drive can then be accessed without the secure key as long as the Rocbit encrypted hard drive is powered on.

**4)** The host cannot access the HDD when the enclosure LED indicator is red. A red LED indicator means no key is inserted. If the LED indicator is red you must completely power off the encrypted enclosure, insert the secure key, then power on the enclosure again.

### Getting Started

The installation instructions in this manual apply to the following models. Please review the package contents for each model:

#### Rocbit 3, USB External Hard Drive with Security



##### Package Contents

- External Hard Drive x 1
- USB-A to mini B cable x1
- Quick Start Guide
- Secure key x 2
- AC Power Adapter x1

#### Rocbit 3, FireWire 400 and USB 2.0 HD w/Security



##### Package Contents

- External HD x 1
- USB-A to mini B cable x 1
- IEEE 1394 cable x 1
- Quick Start Guide
- Secure key x 2 (or 3)
- AC Power Adapter x 1

#### Rocbit 3, FireWire 800 and USB 2.0 HD w/Security



##### Package Contents

- External Hard Drive x 1
- USB-A to mini B cable x 1
- IEEE 1394b cable x 1
- Quick Start Guide
- Secure key x 2
- AC Power Adapter x 1

## SYSTEM REQUIREMENTS:

### PC

- 266MHz or faster CPU
- 64MB of RAM
- Microsoft Windows 98SE, ME, 2000, XP
- One available USB port and/or IEEE 1394(b) port depending on the model



### Macintosh

- Macintosh PowerPC processor
- Mac OS\*\* 9.4 or newer
- One available USB port and/or IEEE 1394(b) port

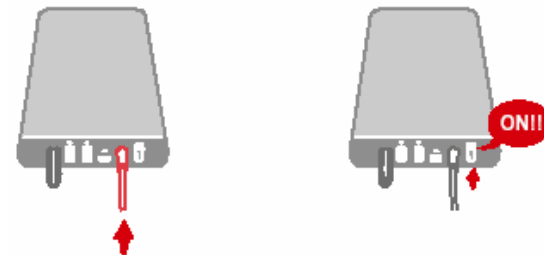
### \*\* Mac OS:

- Installation of the Rocbit 3 via USB 2.0 requires Mac OS X 10.1.5/10.2.X with USB 2.0 driver installed, or Mac OS 10.2.8 or newer. Mac OS 9.X supports full speed USB only. Operation of the Rocbit 3 via FireWire 800 (1394b) requires Mac OS X 10.2.4 or newer.
- Operation of Rocbit 3 via FireWire 800 (1394b) requires Mac OS X 10.2.4 or newer to support FireWire 800 speed.

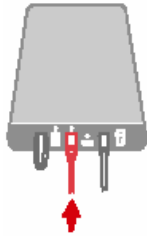
## Encrypted Models

1) Insert the secure key into the security key port indicated by the secure key icon “A top-down view of the rear panel of the Enclosure Kit. A red arrow points to a specific port on the left side of the panel, which is marked with a red key icon. A red secure key is shown being inserted into this port.

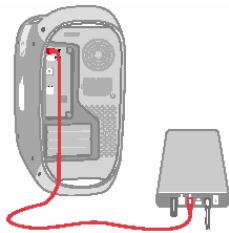
2) Connect the AC/DC power adapter; ensure that the green LED indicator is active. The orange LED indicator will blink during data transfer.



3) Insert one end of the USB or IEEE 1394(b) connector into a corresponding port on the enclosure.



4) Insert the USB or IEEE 1394(b) connector into an available port on the computer.



**Note:** If the LED indicator is red, security is not enabled. Ensure that the secure key is inserted before power on, and the enclosure is properly connected.

### Notices and Classifications

#### FCC-B Radio Frequency Interference Statement

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Note:** 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 when the equipment is operated in a commercial environment. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

## ROCSTOR "ROCSECURE" PRODUCTS WARRANTY AND TECHNICAL SUPPORT INFORMATION

### General Terms

EXCEPT AS EXPRESSLY SET FORTH IN THIS LIMITED WARRANTY, ROCSTOR MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ROCSTOR EXPRESSLY DISCLAIMS ALL WARRANTIES AND CONDITIONS NOT STATED IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. SOME STATES OR COUNTRIES DO NOT ALLOW A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS. IN SUCH STATES OR COUNTRIES, SOME EXCLUSIONS OR LIMITATIONS OF THIS LIMITED WARRANTY MAY NOT APPLY TO YOU.

This Limited Warranty applies to the Rocstor branded hardware products sold by or leased from Rocstor Storage, Inc., its worldwide subsidiaries, affiliates, authorized resellers, or country distributors (collectively referred to in this Limited Warranty as "Rocstor") with this Limited Warranty. This Limited Warranty is applicable in all countries and may be enforced in any country where Rocstor or its authorized service providers offer warranty service subject to the terms and conditions set forth in this Limited Warranty. However, warranty service availability and response times may vary from country to country and may also be subject to registration requirements in the country of purchase.

Rocstor warrants that the Rocstor hardware product and all the internal components of the product that you have purchased or leased from Rocstor are free from defects in materials or workmanship under normal use during the Limited Warranty Period. The Limited Warranty Period starts on the date of purchase or lease from Rocstor. Your dated sales or delivery receipt, showing the date of purchase or lease of the product, is your proof of the purchase or lease date. You may be required to provide proof of purchase or lease as a condition of receiving warranty service. You are entitled to warranty service according to the terms and conditions of this document if a repair to your Rocstor branded hardware is required within the Limited Warranty Period. This Limited Warranty extends only to the original purchaser or lessee of this Rocstor branded product and is not transferable to anyone who obtains ownership of the Rocstor branded product from the original purchaser or lessee.

Rocstor products are manufactured using new materials or new and used materials equivalent to new in performance and reliability. Spare parts may be new or equivalent to new. Spare parts are warranted to be free from defects in material or workmanship for thirty (30) days or for the remainder of the Limited Warranty Period of the Rocstor hardware product in which they are installed, whichever is longer.

During the Limited Warranty Period, Rocstor will repair or replace the defective component parts or the hardware product. All component parts or hardware products removed under this Limited Warranty become the property of Rocstor. The replacement part or product takes on either the Limited Warranty status of the removed part or product or the thirty (30) day limited warranty of the spare part. In the unlikely event that your Rocstor product has a recurring failure, Rocstor, at its discretion, may elect to provide you with a replacement unit of Rocstor's choosing that is at least equivalent to your Rocstor branded product in hardware performance. Rocstor reserves the right to elect, at its sole discretion, to give you a refund of your purchase price or lease payments (less interest) instead of a replacement. This is your exclusive remedy for defective products.

**YOU SHOULD MAKE PERIODIC BACKUP COPIES OF THE DATA STORED ON YOUR HARD DRIVE OR OTHER STORAGE DEVICES AS A PRECAUTION AGAINST POSSIBLE FAILURES, ALTERATION, OR LOSS OF THE DATA. BEFORE RETURNING ANY UNIT FOR SERVICE, BE SURE TO BACK UP DATA AND REMOVE ANY CONFIDENTIAL, PROPRIETARY, OR PERSONAL INFORMATION. ROCSTOR IS NOT RESPONSIBLE FOR DAMAGE TO OR LOSS OF ANY PROGRAMS, DATA, OR REMOVABLE STORAGE MEDIA. ROCSTOR IS NOT RESPONSIBLE FOR THE RESTORATION OR REINSTALLATION OF ANY PROGRAMS OR DATA OTHER THAN SOFTWARE INSTALLED BY ROCSTOR WHEN THE PRODUCT IS MANUFACTURED.**

Rocstor does not warrant that the operation of this product will be uninterrupted or error-free. Rocstor is not responsible for damage that occurs as a result of your failure to follow the instructions that came with the Rocstor branded product.

This Limited Warranty does not apply to expendable parts. This Limited Warranty does not extend to any product from which the serial number has been removed or that has been damaged or rendered defective (a) as a result of accident, misuse, abuse, or other external causes; (b) by operation outside the usage parameters stated in the user documentation that shipped with the product; (c) by the use of parts not manufactured or sold by Rocstor; or (d) by modification or service by anyone other than (i) Rocstor, (ii) a Rocstor authorized service provider, or (iii) your own installation of end-user replaceable Rocstor or Rocstor approved parts if available for your product in the servicing country.

These terms and conditions constitute the complete and exclusive warranty agreement between you and Rocstor regarding the Rocstor branded product you have purchased or leased. These terms and conditions supersede any prior agreements or representations-including representations made in Rocstor sales literature or advice given to you by Rocstor or an agent or employee of Rocstor-that may have been made in connection with your purchase or lease of the Rocstor branded product. No change to the conditions of this Limited Warranty is valid unless it is made in writing and signed by an authorized representative of Rocstor.

### **Limitation of Liability**

IF YOUR ROCSTOR BRANDED HARDWARE PRODUCT FAILS TO WORK AS WARRANTED ABOVE, YOUR SOLE AND EXCLUSIVE REMEDY SHALL BE REPAIR OR REPLACEMENT. ROCSTOR'S MAXIMUM LIABILITY UNDER THIS LIMITED WARRANTY IS EXPRESSLY LIMITED TO THE LESSER OF THE PRICE YOU HAVE PAID FOR THE PRODUCT OR THE COST OF REPAIR OR REPLACEMENT OF ANY HARDWARE COMPONENTS THAT MALFUNCTION IN CONDITIONS OF NORMAL USE.

ROCSTOR IS NOT LIABLE FOR ANY DAMAGES CAUSED BY THE PRODUCT OR THE FAILURE OF THE PRODUCT TO PERFORM, INCLUDING ANY LOST PROFITS OR SAVINGS OR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. ROCSTOR IS NOT LIABLE FOR ANY CLAIM MADE BY A THIRD PARTY OR MADE BY YOU FOR A THIRD PARTY.

THIS LIMITATION OF LIABILITY APPLIES WHETHER DAMAGES ARE SOUGHT, OR A CLAIM MADE, UNDER THIS LIMITED WARRANTY OR AS A TORT CLAIM (INCLUDING NEGLIGENCE AND STRICT PRODUCT LIABILITY), A CONTRACT CLAIM, OR ANY OTHER CLAIM. THIS LIMITATION OF LIABILITY CANNOT BE WAIVED OR AMENDED BY ANY PERSON. THIS LIMITATION OF LIABILITY WILL BE EFFECTIVE EVEN IF YOU HAVE ADVISED ROCSTOR OR AN AUTHORIZED REPRESENTATIVE OF ROCSTOR OF THE POSSIBILITY OF ANY SUCH DAMAGES.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT MAY VARY FROM STATE TO STATE OR FROM COUNTRY TO COUNTRY. YOU ARE ADVISED TO CONSULT APPLICABLE STATE OR COUNTRY LAWS FOR A FULL DETERMINATION OF YOUR RIGHTS.

### **Options and Software**

The Limited Warranty terms and conditions for Rocstor options are as indicated in the Limited Warranty applicable to Rocstor options. ROCSTOR DOES NOT WARRANT SOFTWARE PRODUCTS, INCLUDING ANY SOFTWARE PRODUCTS OR THE OPERATING SYSTEM PREINSTALLED BY ROCSTOR. Rocstor's only obligations with respect to software distributed by

Rocstor under the Rocstor brand name are set forth in the applicable end-user license or program license agreement. Non-Rocstor hardware and software products are provided "AS IS." However, non-Rocstor manufacturers, suppliers, or publishers may provide their own warranties directly to you.

### **Software Technical Support**

Software technical support is defined as assistance with questions and issues about the software that was either preinstalled by Rocstor on the Rocstor branded product or that was included with the Rocstor branded product at the time of your purchase or lease of the product. Technical support for software is available for the first ninety (90) days from date of product purchase or lease. Your dated sales or delivery receipt, showing the date of purchase or lease of the product, is your proof of the purchase or lease date. You may be required to provide proof of purchase or lease as a condition of receiving software technical support. After the first ninety (90) days, technical support for software that was either preinstalled by Rocstor on the Rocstor branded product or included with the Rocstor branded product at the time of your purchase or lease of the product is available for a fee.

### **Warranty Period**

Warranty Period for Rocport FireWire/USB Hard Drives are 1 Year Parts and Labor.

### **Types of Warranty Service**

Your Rocstor Limited Warranty consists of repair or replacement of defective parts, including hard drives identified by Rocstor Support Organization as "pre-failure."

### **Carry-in Warranty Service Available Monday - Friday**

Under the terms of carry-in service, you may be required to deliver your Rocstor product to Rocstor Service Center or an authorized service location for warranty repair. You must prepay any shipping charges, taxes, or duties associated with transportation of the product. In addition, you are responsible for insuring any product shipped or returned. You assume risk of loss during shipping.

### **Rocstor Replaceable Parts Program**

Where available, the Rocstor Replaceable Parts program ships approved replacement parts directly to you to fulfill your warranty. This will save

considerable repair time. After you call the Rocstor Technical Support Center at 1.818.449.2000, a replaceable part can be sent directly to you. Once the part arrives, call the Rocstor Technical Support Center. A technician will assist you over the phone to ensure that the installation is quick and easy.

#### **Service Upgrades**

Rocstor offers extra coverage for your product. For information on service upgrades, refer to [www.rocstor.com](http://www.rocstor.com).

Service upgrades purchased in one country are NOT transferable to another country.

#### **Contacting Rocstor**

- In the United States, refer to the Rocstor website at [www.rocstor.com](http://www.rocstor.com).
- 1.818.449.2000  
Toll-free technical support in the United States and Canada,  
5 days a week, 9:00 a.m. to 6:00 p.m. Pacific Standard Time

Be sure to have the following information available before you call Rocstor:

- Product serial number, model name, and model number
- Applicable error messages
- Add-on options
- Operating system
- Third-party hardware or software

326 D-v1

#### **IMPORTANT NOTE:**

**If you lose your administrative password and/or your security key the “Keycrypt”; there may basically be no chance of recovering your information (data) stored in your hard drive, hence there are No Warranties, No Repairs and No Replacements available through Rocstor-Rocsecure.**

Rocstor is a registered trademark and Rocbit is a trademark of Rocstorage, Inc. All other names are trademarks of their respective companies.

Mac is a trademark of Apple Computer, Inc., registered in the U.S. and other countries. Mac and Mac logo are trademarks of Apple Computers, Inc. registered in the U.S. and other countries.