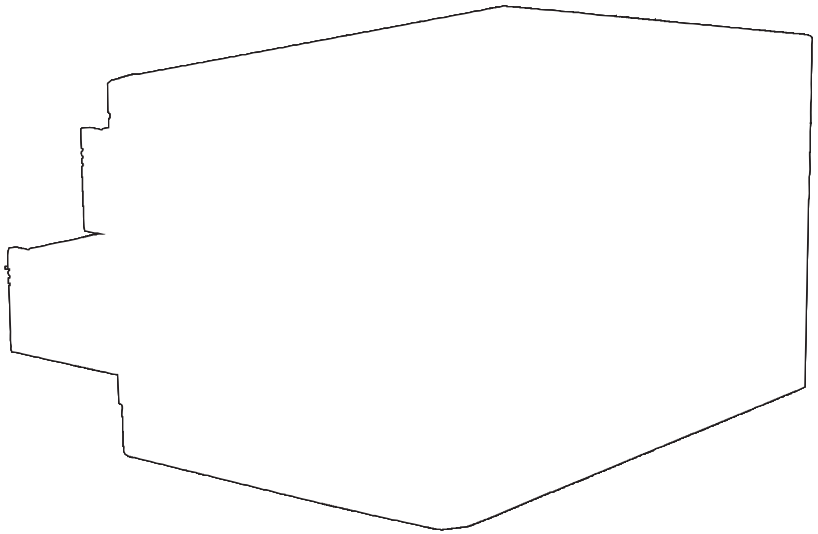
DataPort Serial ATA Enclosure with Removable Drive Carriers

Users Manual



CRU DataPort™

www.CRU-DataPort.com

About CRU-DataPort

CRU-DataPort™ is a leading supplier of data security and storage devices for computer systems. Founded in 1986 and based in Vancouver, WA, CRU's DataPort brand of removable storage enclosures are used worldwide and have become the de facto standard for physical data security and reliable drive removal in government, education and corporate IT environments. DataPorts are rugged to protect your drive during removal and storage, include cooling fans to protect your drive, use 25,000 insertion-rated connectors and are backed by some of the industry's best and most user friendly warranties.

CRU products are available through major distributors, OEMs, VARs and a host of resellers and systems integrators throughout the United States and abroad. For more information please visit www.CRU-DataPort.com.

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Product Description

The DataPort Serial ATA Enclosure comes with enclosure documentation and all the cabling you need for fast, easy and reliable installation. The all metal enclosure is sturdy and rugged to protect your data in all but the most extreme environments.

2-Drive Enclosure can accommodate:
- Up to two 3.5" half-height Serial ATA drives

4-Drive Enclosure can accommodate:
- Up to four 3.5" half-height Serial ATA drives

Note: When using CRU's IDE-to-SATA DataPort Carriers, CRU recommends that either Serial ATA or IDE hard disk drive's be used in the enclosure. Do not combine the two drive types in the enclosure at the same time.

Note: For every Serial ATA drive you plan to install you need a separate cable. Serial ATA is a point-to-point interface and each drive requires its own cable.

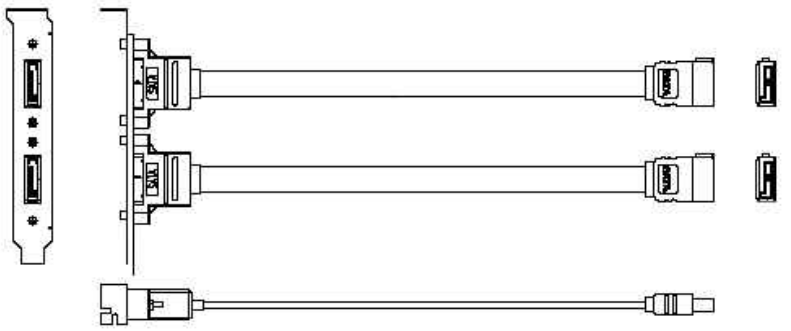
Package Contents

2-Drive SATA Enclosure

(1)	2-Drive SATA Enclosure
(2)	Serial ATA DataPort V *plus*
(2)	Shielded 1 Meter Serial ATA Cable
(1)	Dual SATA Internal Cable with PCI Mounting Bracket
(1)	NEMA AC Power Cord
(1)	Serial ATA Enclosure Manual

4-Drive SATA Enclosure

(1)	4-Drive SATA Enclosure
(4)	Serial ATA DataPort V *plus*
(4)	Shielded 1 Meter Serial ATA Cable
(2)	Dual SATA Internal Cable with PCI Mounting Bracket
(1)	NEMA AC Power Cord
(1)	Serial ATA Enclosure Manual



Dual SATA Internal Cable with PCI Mounting Bracket

Installing and Setting Up Your Serial ATA Enclosure

Note: To prevent data loss, read this manual thoroughly before installing or operating the DataPort Serial ATA Enclosure.

Before touching any electrical equipment, ground yourself by touching the metal part of your computer chassis. This discharges static electricity and helps prevent any damage to your computer's ESD sensitive components.

CRU-DataPort is not responsible for static discharge damages.

Tools Required:

- Phillips Screwdriver
- Small Flat Screwdriver

Other items that will be needed are:

- Computer Users Manual
- Serial ATA Host Bus Adapter/Controller
- Serial ATA Hard Drives

Hard Disk Drive Installation

Use the provided key to unlock the carriers and remove them from the enclosure.

a. Remove the carrier top and bottom covers. The metal covers for the DataPort V *plus* are snapped into place on the carrier without any screws. The supplied cover removal tool or a small flat head screw driver works well for removing the covers.

b. Install the drive in the carrier. Place the drive in the carrier and connect the male connector on the hard drive to the female connector on the carrier. Use the provided screws to secure the hard drive into the frame. The drive should be positioned such that the data connector on the hard drive stays fully inserted into the data connector on the carrier.

c. Attach the Temperature Control Cooling Sensor (TCCS) to the top of the hard drive with an adhesive strip (or a piece of tape.) After the drive has been installed, replace the carrier top and bottom covers.

d. Insert the carrier into the frame assembly. Ensure that the key lock or latch of the DataPort is in the "open" (vertical) position. Position the carrier on the guide rails, then slide the carrier into the frame. Using thumb pressure, fully seat the carrier in the frame, then "lock" the unit with the key lock or the latch.

Serial ATA Cable Installation

Note: An open PCI slot is required for every two drive connections.

Please refer to your computer Owner's Manual for more details on installing the Dual SATA Internal Cable with PCI Mounting Bracket (See Diagram). Your computer Owner's Manual should help locate SATA connections and open PCI and PCI-Express slots. A Dual SATA Internal Cable with PCI Mounting Bracket is required for each pair of drives.

Warning: Before touching any electrical equipment, ground yourself by touching the metal part of your computer chassis. This discharges static electricity and helps prevent any damage to your computer's ESD sensitive components. CRU-DataPort is not responsible for static discharge damages.

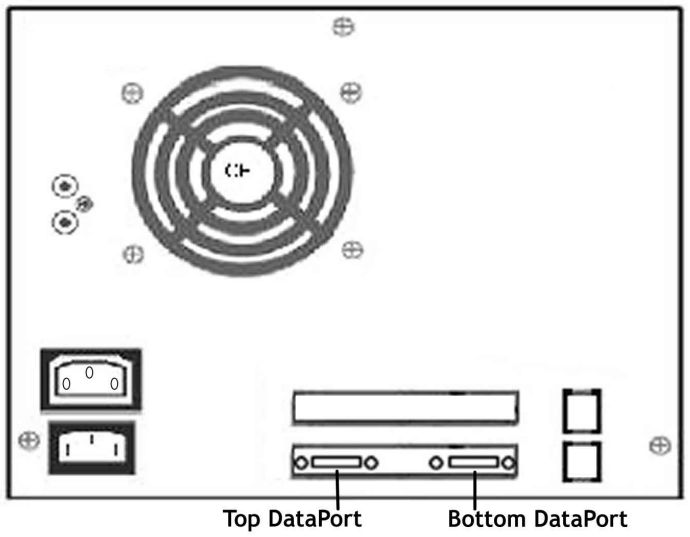
a. Remove the computer case and install the provided Dual SATA Internal Cable with PCI Mounting Bracket in an open PCI or PCI-Express slot.

b. Connect the cables to the Serial ATA Host Bus Adapter or motherboard's SATA ports.

c. Put the computer case back together.

d. Use only the provided shielded Serial ATA data cables to connect your computer to your DataPort Serial ATA Enclosure Manual.

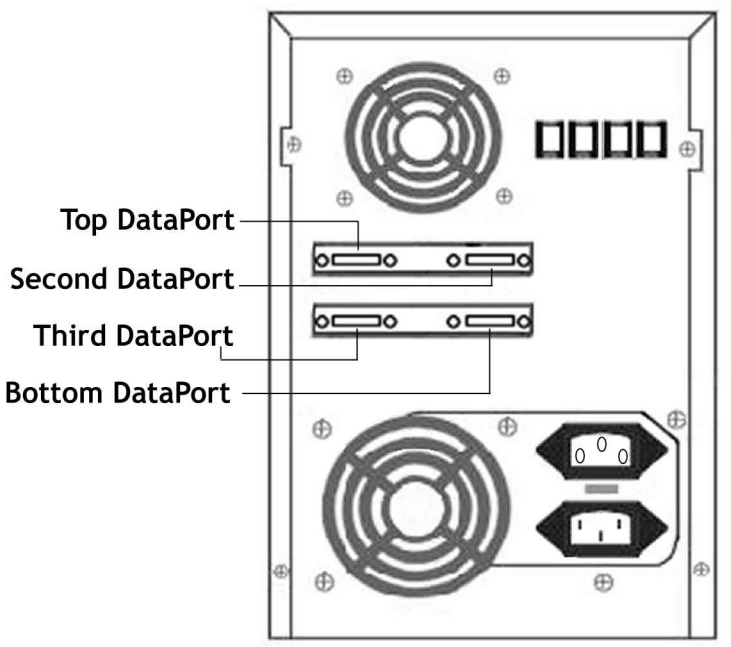
2-Drive Enclosure
On rear of the enclosure the left Serial ATA connector supports the top DataPort, and the right Serial ATA connector supports the DataPort on the bottom



Back of 2-Drive Enclosure

4-Drive Enclosure

From the rear of the enclosure at the Serial ATA connectors; start at the top bracket left connector for top DataPort, the top right connector to the DataPort in position 2, the lower left bracket to the DataPort in position 3 and lower right connector to the DataPort in the bottom position 4.



Back of 4-Drive Enclosure

You have completed the installation and setup of your Serial ATA DataPort Enclosure.

Operation

Turning on the Power

- The key lock on the DataPort locks the carrier in place and serves as an "On/Off" switch for the power to the carrier. Turn the key lock 90 degrees clockwise to the "On" position before turning on the enclosure. When the enclosure is turned on, the green Power LED is illuminated.

- For best results power on your Serial ATA DataPort Enclosure before powering on your computer system with the power button located on the bottom front of the enclosure.

Fan Failure Alarm
The fan failure alarm is a standard feature on the Serial ATA DataPort. If the cooling fan fails, the alarm will beep and the LED on the carrier will flash to indicate the fan has failed. If this occurs please contact CRU-DataPort for a replacement fan.

Drive Activity LEDs
At this time, Serial ATA hard disk drives do not support drive activity LEDs. Due to this the DataPort Serial ATA Enclosure does not support this feature. The red activity LED on the Serial ATA DataPort carriers does not currently function.

IMPORTANT: Please read the following before removing the Serial ATA DataPort carriers.

The Serial ATA DataPort is hot swappable if the Host Bus Adapter supports this feature.

- Use the Host Bus Adapter's software to determine which drive has failed.

- Turn off the appropriate drive by turning the key to the "Off" (vertical) position.

- Wait 10 seconds for the drive to stop spinning, and then remove the carrier.

CRU is not liable for loss of data. It is the user's responsibility to follow these important procedures to safeguard data.

CRU enclosures are equipped with external SCSI ID selector switches located on the rear panel. However since Serial ATA is a point to point interface individual unique IDs are not required and the selector switches are not used.

The 4-Drive Serial ATA Enclosure comes with a swappable 115V/230V power supply. Please make sure that it is set properly before using.

Trouble Shooting

No Power
Make sure the carrier is completely seated in the frame, the key lock on the carrier is turned to the "ON" position and the green power LED is on. Check the power connection on the front of the enclosure and the power LED on the front of the enclosure.

Drive Not Recognized By Computer
First check all of the cable connections. Ensure that the drive is securely mounted and the connectors are mated adequately. Also check that the carrier and frame are fully seated and none of the pins were bent during carrier insertion.

Technical Support

Contact your dealer for technical support first. If you still need assistance, contact the CRU-DataPort technical support department. You can contact our technical support department by visiting our web site at http://www.CRU-DataPort.com, sending an E-mail message to support@CRU-DataPort.com or calling technical support at:

(800) 260-9800 during the hours of: 8:00 AM to 5:00 PM,
PST Monday through Friday.

When you call, please have the following information ready:

- The part number of your CRU DataPort(s)
- The manufacturer's name and model number of the hard disk drive and the computer system you are using
- The name of the dealer from which you purchased your CRU product(s)
- Any error messages that appeared on your screen

Limited Product Warranty
CRU-DataPort warrants the DataPort Serial ATA Enclosure to be free of significant defects in material and workmanship for a period of one year from the original date of purchase. CRU-DataPort's warranty is nontransferable and is limited to the original purchaser.

Product Remedies

CRU-DataPort's entire liability and the original purchaser's exclusive remedy for any breach of warranty, shall be, at CRU-DataPort's option, either (a) return of the price paid or (b) repair or replacement of the hardware, provided that the hardware is returned to CRU-DataPort, with a copy of the sales receipt or applicable documentation. Any replacement hardware will be warranted for the remainder of the original warranty period.

These remedies are void if failure of the hardware has resulted from accident, abuse, misapplication or modification. (This will be determined by CRU-DataPort)

Limitation of Liability
The warranties set forth in this agreement replace all other warranties. CRU-DataPort expressly disclaims all other warranties, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose and no infringement of third-party rights with respect to the documentation and hardware. No CRU-DataPort dealer, agent or employee is authorized to make any modification, extension, or addition to this warranty. In no event will CRU-DataPort or its suppliers be liable for any costs of procurement of substitute products or services, lost profits, loss of information or data, computer malfunction, or any other special, indirect, consequential, or incidental damages arising in any way out of the sale of, use of, or inability to use any CRU-DataPort product or service, even if CRU-DataPort has been advised of the possibility of such damages. In no case shall CRU-DataPort's liability exceed the actual money paid for the products at issue.

CRU-DataPort reserves the right to make modifications and additions to this product without notice or taking on additional liability.

Material Return

Any product being returned to CRU-DataPort, either by a distributor, dealer or an end user, for repair or replacement must be accompanied by a Return Material Authorization (RMA) number, which must be obtained by contacting CRU-DataPort's Customer Service Department at 800-260-9800.

Please have these items available when requesting an RMA: CRU Part Number(s), and your return "Ship To" Address.

IMPORTANT: Returned material must be properly packed to avoid in-transit damage. Damage to CRU-DataPort products due to improper packaging will not be covered by this warranty.

Product return packages must be labeled on the outside of the box as follows:

CRU-DataPort RMA Dept./RMA #XXXX
1000 SE Tech Center Drive, Suite 160
Vancouver, WA 98683

CRU-DataPort will apply its warranty policy and issue RMA numbers based on a review of the specific circumstances of each request. CRU will, at its sole discretion, determine if a product is valid for return to CRU-DataPort or if another remedy is applicable.

CRU reserves the right to make modifications and additions to this product without notice or taking on additional liability.