

DataPort 25 Manual



www.CRU-DataPort.com

About CRU-DataPort

Founded in 1986 and based in Vancouver, Washington, CRU-DataPort develops and markets computer data security and storage devices. The company's DataPort™ brand of removable storage modules, with over 2,000,000 units installed in computers worldwide, has become the de facto standard for Data Security, and the recognized name when it comes to removable storage modules for government, education and corporate IT departments. DataPorts are rated for 25,000 insertions and include fans to protect your disk drive.

CRU-DataPort products are available through major distributors, OEMs, VARs, and a host of resellers and systems integrators throughout the world. For more information about CRU-DataPort, visit our website at www.CRU-DataPort.com.

Table of Contents

About CRU-DataPort.....	ii
General Description.....	1
Package Contents	1
General Configuration/Operation Information	1
IDE operation.....	1
Serial ATA operation.....	2
Carrier removal	2
Preparation for Installation	3
Frame Installation.....	4
Hard Drive Activity LED	5
Mounting a Hard Drive in the Carrier	5
Technical Support	5
Limited Product Warranty	6
Product Remedies	6
Limitation of Liability	6

General Description

The DataPort™ 25 is a portable storage device for your computer hard drive that can be easily removed from the computer. The DataPort 25 consists of a frame and carrier with dual 2.5" drive support mounting chassis and metal front bezel clamshell cover. The frame can be fitted into any standard 3.5" floppy drive bay.

Package Contents

The DP25 includes all of the hardware necessary to install a 2.5" hard drive in a 3.5" floppy drive bay. Before installing, verify that the following items have been included in the package (the contents may come packaged inside the carrier):

Quantity	Description
1	DataPort 25 frame assembly
1	DataPort 25 carrier assembly
8	M3 x 4mm" Phillips pan-head screws for hard drive mounting
4	M3 x 5mm Phillips pan-head screws for frame mounting with rails
4	M3 x 4mm Phillips pan-head screws for frame mounting in case
2	M3 x 4mm Phillips pan-head screws for carrier cover mounting
2	Keys for lock

General Configuration/Operation Information

The DataPort™ 25 IDE carrier can be configured with either one or two IDE or Serial ATA 2.5" drives that can be easily removed from the computer. The universal frame will accept either an IDE or a Serial ATA carrier and with the proper cabling can provide access to those drives by the OS.

Note: There is a configuration management feature that will cause the green power on LED to flash off and on if the installed carrier does not have correct cabling from the frame to the system when the DataPort 25 is powered on.

IDE operation

For IDE operation, the frame board 40-pin connector (JP2) must be cabled with an ATA66 80-conductor ribbon cable to either an IDE host bus adapter or the primary or secondary IDE channel on the Motherboard. Since there can be two IDE drives installed in the carrier, **DO NOT** install any other devices on the same channel as the

DataPort 25. When multiple IDE drives are used, they have to be jumpered such that there is one drive as a master and one drive as a slave. Since both drives are off the same cable connector, jumpering as cable select is **NOT** supported.

Serial ATA operation

For Serial ATA operation, the lower drive in the carrier is connected to the left-most Serial ATA data connector on the rear of the frame (JP4). The upper drive is connected to the right-most data connector (JP5). These cables can be up to 1000 mm in length. There is also a 2-pin header on the frame of which pin 1 can be connected to the host activity open collector LED driver.

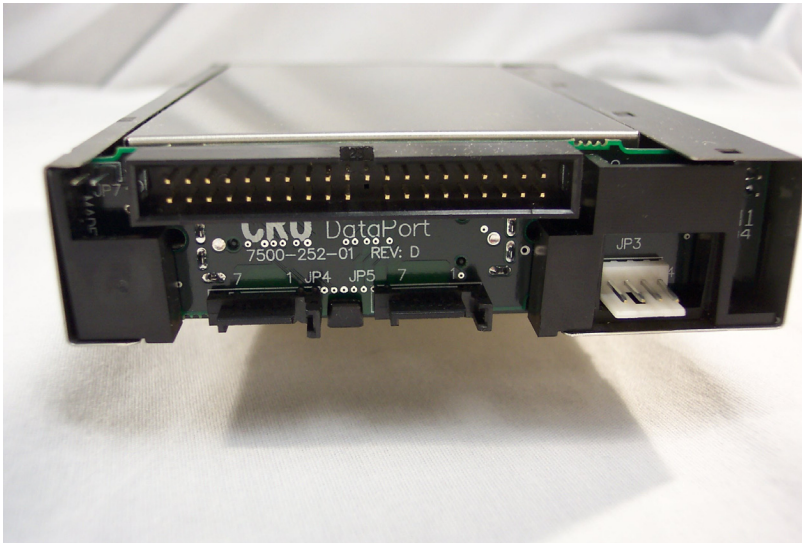


Figure 1 – Back

To support both carrier types, connect all three data cables to the DataPort 25 frame board.

WARNING!

Unlock the DataPort 25 before attempting to remove the carrier.

Carrier removal

To remove the carrier, first make sure the ejection lever is fully extended. Then gently press it in to eject the carrier.

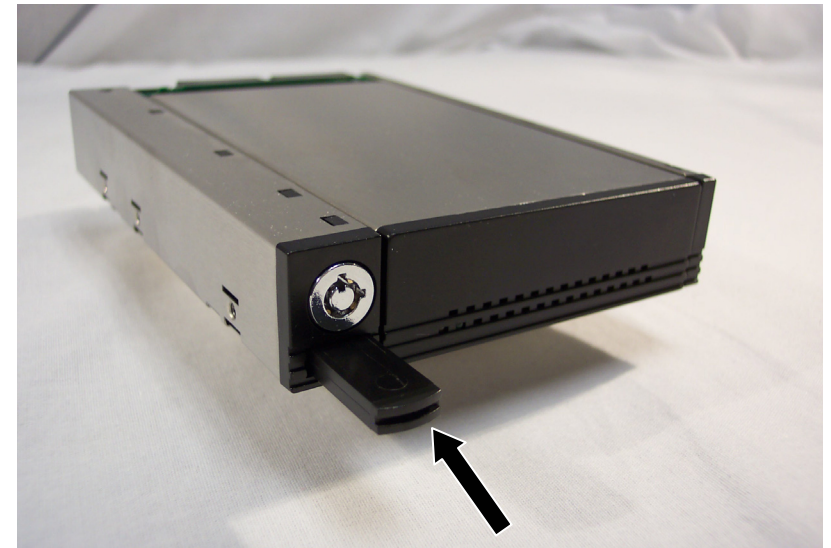


Figure 2 – Ejection lever

Preparation for Installation

1. To prevent data loss, read this manual thoroughly before installing or operating the DataPort.
2. Before touching any electrical equipment, ground yourself by touching the metal part of your computer chassis to discharge static electricity and help prevent any damage to your computer. **CRU-DataPort is not responsible for static discharge damage.**
3. Gather the following tools and needed items:
 - Philips screwdriver
 - Small flat-head screwdriver
 - Computer Users Manual
 - Internal IDE or Serial ATA data cable(s)
 - Available Serial ATA port(s) (Serial ATA version)

Frame Installation

WARNING!

Only use screws provided by CRU to install your DataPort 25 frame. Use of standard M3 screws will prevent proper functionality of your DataPort 25.

1. Turn off the computer and disconnect its power cord from the electrical outlet.
2. Wait **one minute** for any residual energy to dissipate from your computer.
3. Remove the cover of the computer.
4. Locate an empty externally accessible 3.5" bay in which you will mount the DataPort frame assembly, and then remove any filler plates that may be present.
5. If the drive bay requires mounting rails, install one on each side of the frame. The mounting rails should be provided with your computer system.
6. Mount the frame assembly by sliding the frame into the 3.5" bay from the front of the PC case.
7. Using the screws provided, secure the frame assembly to the computer case using the frame's side mounting holes (see Figure 3). Your DataPort frame also has bottom mount holes in case you need to bottom mount the unit.

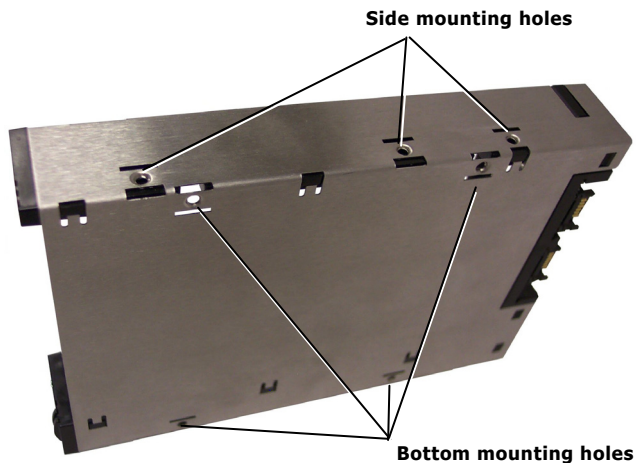


Figure 3 – Location of mounting holes

8. Locate the data cable and connect it to the connector on the rear of the frame.
9. Connect the DC power cable to the frame by locating an available 4-pin DC floppy style power cable from the computer power supply and then plugging it into the power plug (JP3) on the frame.

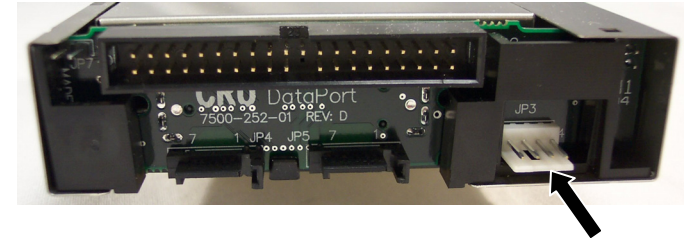


Figure 4 – Location of JP3 Power Plug

The frame installation is now complete.

Hard Drive Activity LED

The front of the DataPort 25 has two LEDs: a green LED that lights up when the power to the hard drive is on, and an amber LED that lights up when activity is taking place on the hard drive.

Mounting a Hard Drive in the Carrier

1. Remove the two screws from the back of the carrier. Slide the metal cover off.
2. Install the first drive in the carrier. Connect the drive to the connector in the carrier and use the four screws provided to mount the drive.
3. If there is a second hard drive, install it now.
4. After the drive has been installed, slide the cover over the drive mounting chassis and insert the screws in the rear of the cover to secure it.
5. Insert the carrier into the frame assembly. Ensure that the lock is in the OPEN (vertical) position.
6. Once the carrier has been seated in the frame the keylock must be turned clockwise 90 degrees (horizontal) to engage the mechanical lock and enable power to the devices in the carrier.

You have finished the installation and your DataPort 25 is ready to operate.

Technical Support

Please visit our website for the latest information and technical support options: <http://www.CRU-DataPort.com>.

Limited Product Warranty

CRU-DataPort warrants the DataPort 25 to be free of significant defects in material and workmanship for a period of three (3) years 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 the hardware fails because of 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 non 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.