

DE50 SATA Install Guide

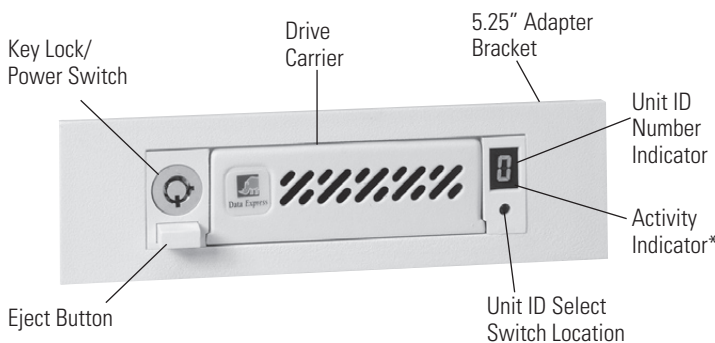
Removable SATA 3Gb/s Drive Enclosure

SATA 3Gb/s DE50 receiving frames are indicated by their BLUE LED. PATA DE50 receiving frames are indicated by their GREEN LED. PATA DE50 carriers are indicated by a Data Express Logo, while the new SATA 3Gb/s DE50 carriers are indicated by the SATA logo.

NOTE: For SATA 3Gb/s operation, a SATA 3Gb/s controller and SATA 3Gb/s hard drive are required.



Front Panel



*Some drives may support the Activity Indicator feature. Refer to your drive manufacturer's documentation for further information.

Figure 1: Front Panel

Unit ID Number Indicator

This LED is for ID display purposes only. This BLUE LED displays the status of the SATA 3Gb/s DE50 device carrier if the carrier is Installed and Locked in the receiving frame or if the carrier is removed from the receiving frame. If the carrier is Installed but not Locked in the receiving frame, a "u" will be displayed to indicate an unlocked condition. The unit ID number is selected by means of the unit ID select switch inside the receiving frame using a special alignment tool supplied with the DE50.

Activity Indicator

A small BLUE dot next to the unit ID number illuminates to indicate when the host computer is accessing the data on the DE50 carrier. This dot will flash during communication with the host computer.

NOTE: Some drives may support this feature. Refer to your drive manufacturer's documentation for further information.

Unit ID Select Switch

This rotating switch selects the unit ID number of the disk drive. The Unit ID number is for ID display purposes only.

Key Lock/Drive Power Switch

Performs three functions. The key switch assures proper seating of the drive carrier within the receiving frame, turns power to the drive carrier ON and OFF, and prevents unauthorized removal or installation of the carrier. For the computer to access data on the disk drive, the key must be turned counterclockwise to the locked position.

Eject Button

Push to eject drive carrier from receiving frame.

5.25" Adapter Bracket

Some DE50 models do not include a 5.25" Adapter Bracket.

Receiving Frame Motherboard

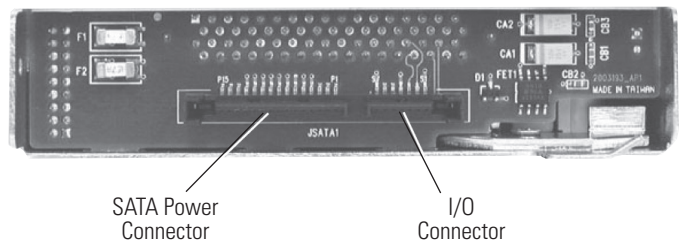


Figure 2: Receiving Frame Motherboard (rear view)

I/O Connector

The input/output connector provides a standard interface for all SATA signals.

SATA Power Connector

15-Pin SATA power connector to accept DC power.

NOTE: If your system does not accommodate the SATA power connector, simply use the SATA-to-DC Power adapter cable (included in the accessory bag) to connect to your system's DC power.

Drive/Drive Carrier Installation

1. Loosen and remove the four (4) M3 Phillips Flat Hd. screws located on the sides of the drive carrier unit. Save these screws for Step 5.

2. Since the drive carrier unit is shipped pre-assembled, disassemble the drive carrier unit into its three main components (Figure 3).

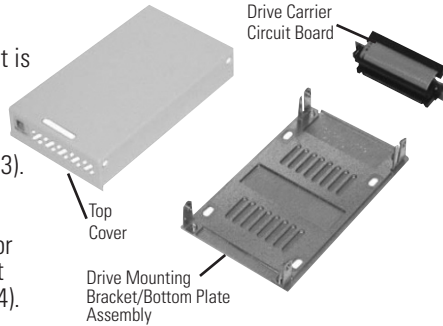


Figure 3: Drive Carrier Components

3. Attach the SATA connector on the Drive Carrier Circuit Board to the drive (Figure 4).

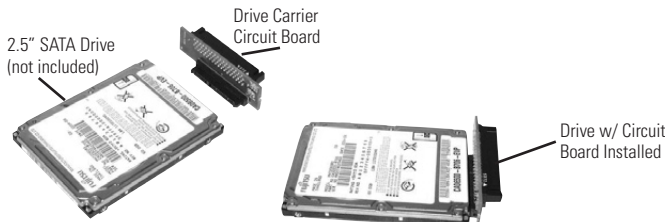
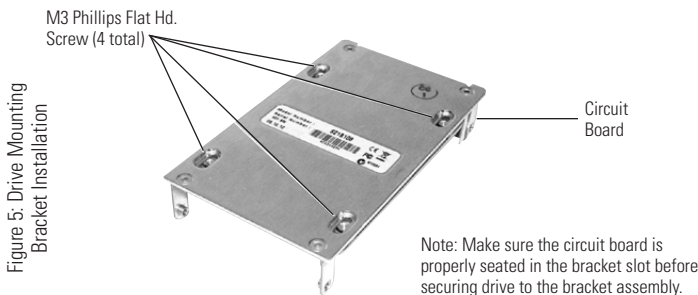


Figure 4: Drive Carrier Circuit Board Installation

4. Carefully turn the drive/circuit board assembly upside-down (drive is bottom-mounted into bracket). Install the mounting bracket/bottom plate assembly and secure with four (4) M3 screws (provided) as shown in Figure 5. Make sure that the drive circuit board is properly seated in the mounting bracket slot before tightening screws.



5. Carefully insert the drive/bracket assembly into the top cover and secure with four (4) M3 screws (saved from Step 1).

Receiving Frame Installation

NOTES: Some DE50 models do not include a 5.25" adapter bracket.

Some DE50 models include three (3) accessory bags (instead of one). These additional accessory bags contain:

Four (4) Phillips Shoulder screws (used for mounting the receiving frame into certain Dell PC systems) and four (4) M3 Phillips Pan Head screws (used for mounting the receiving frame into standard PC systems).

For 3.5" peripheral slots, use the appropriate screws (either Shoulder or M3 Pan Head) for mounting the receiving frame into your particular PC system.

For 5.25" peripheral slots, the 5.25" adapter bracket must be installed. The receiving frame is side-mounted into the adapter bracket using four (4) M3 Pan Head screws (provided).

With the drive carrier locked in place inside the receiving frame, install the DE50 into the 5.25" drive opening in the computer or expansion chassis. Use the appropriate guides to position the DE50 unit, and fasten it into place with four (4) self-tapping screws (included). Mounting holes are provided on each side and the bottom of the adapter bracket to accommodate a variety of mounting configurations. Use the mounting holes which best suit the computer or expansion chassis configuration.

Unit ID Select Switch Settings

The following table lists the Unit ID Select Switch settings. Refer to Figure 1 for the location of the ID Select Switch inside the receiving frame.

Unit ID Select Position	0	1	2	3	4	5	6	7	8	9
Unit ID Number Display	Blank	0	1	Blank	Blank	2	3	Blank	Blank	Blank

NOTE: The unit ID number display is for ID display purposes only!

Limited Product Warranty

CRU-DataPort (CRU) warrants the Data Express DE50 to be free of significant defects in material and workmanship for a period of three years from the original date of purchase. CRU's warranty is nontransferable and is limited to the original purchaser.

Limitation of Liability

The warranties set forth in this agreement replace all other warranties. CRU 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 dealer, agent or employee is authorized to make any modification, extension, or addition to this warranty. In no event will CRU 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 product or service, even if CRU has been advised of the possibility of such damages. In no case shall CRU's liability exceed the actual money paid for the products at issue. CRU reserves the right to make modifications and additions to this product without notice or taking on additional liability.

Certification

EMI Standard: FCC Part 15 Class B, CE
EMC Standard: EN55022, EN55024

FCC Certification

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received; including interference that may cause undesired operation.

Register your product at www.CRU-DataPort.com

A7-050-0002 Rev. 2.1