

Data Express DE110 SATA Install Guide

Removable SATA 1.5Gb/s Drive Enclosure

NOTE: For SATA 1.5Gb/s operation, a SATA controller and appropriate SATA cable are required.



Drive Carrier

JP1

Provides a signal to the Activity Indicator when connected via cable (provided) to the SATA drive. Some SATA drives/host controllers provide support for the Activity Indicator feature (refer to the SATA drive/host controller manufacturer's documentation for further information).

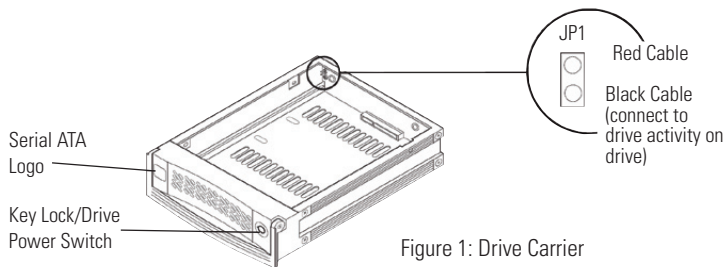


Figure 1: Drive Carrier

"Universal" Receiving Frame Motherboard

Factory-Installed Jumper (ID0 & ID1)

Factory-installed jumper. Refer to Figures 2 & 4 for further information.

Remote Activity LED (RLED)

These pins provide a remote LED device activity indicator (Pin 13 = Cathode, Pin 14 = Anode).

Factory Reserved Pins

These pins are reserved for factory use only - Do not install jumper under any circumstances!

Activity Indicator

Pin 13 is used for host connection (cable not included) to the Activity Indicator. Some SATA drives/host controllers provide support for the Activity Indicator feature (refer to the SATA drive/host controller manufacturer's documentation for further information).

Installation

1. Carefully insert the drive into the carrier. Slide the drive towards the Drive Carrier Board, so that the I/O connector on the drive mates with the connector on the Drive Carrier Board. Turn the drive/carrier assembly over.

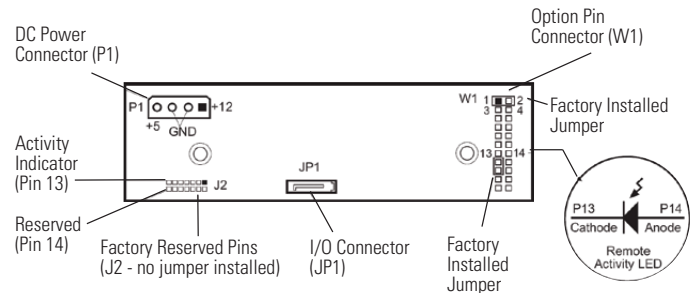


Figure 2: Receiving Frame Motherboard (Rear View)

2. Fasten the drive into place with four (4) #6-32 Phillips Flat Hd. screws. Some drives may require minor adjustment before securing into carrier with screws. If drive supports the Activity Indicator feature, connect one end of the Activity Indicator Cable (provided) to the drive and the other end to JP1 located on Drive Carrier Board (Figure 1).

NOTE: Some SATA drives/host controllers provide support for the Activity Indicator feature (refer to the SATA drive/host controller manufacturer's documentation for further information). There are two ways to utilize the Activity Indicator:

- a. Drive connection (cable included) to JP1 located on Drive Carrier Board (Figure 1).
- or**
- b. Host connection (cable not included) to J2 Pin 13 located on Receiving Frame Motherboard (Figure 2).

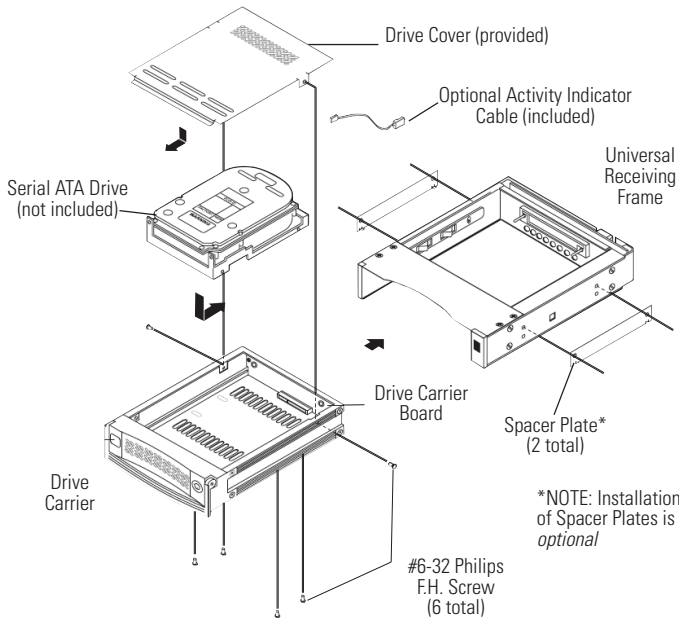
3. Install the provided drive cover.

Spacer Plates (optional)

The SATA DE110 is designed to fit most computer systems with standard 5.25" peripheral slots. The installation of the spacer plates (provided) may or may not be necessary.

NOTE: Depending on the computer system, spacer plates may be positioned on the receiving frame to utilize either top or bottom row of side-mounting holes.

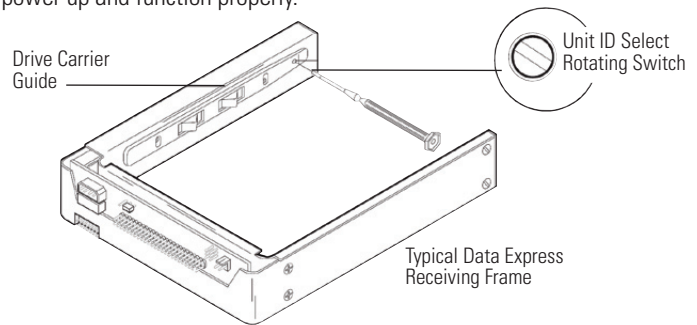
Figure 3: Drive Installation Assembly



Selecting the Unit ID Number: Use the alignment tool (provided) to select the ID number of the disk drive.

NOTE: The lock on the Data Express serves as a power switch. It must be engaged (turned counterclockwise) for the Data Express to power up and function properly.

Figure 5: Unit ID Select Switch Location



Important Notes Regarding the "Universal" Receiving Frame

Existing PATA DE110 carriers and new SATA DE110 carriers will both work in SATA "universal" receiving frames. "Universal" receiving frames are indicated by their BLUE LED. Existing DE110 carriers are indicated by a Data Express Logo, while the new SATA DE110 carriers are indicated by the SATA logo.

SATA DE110 carriers will only work in SATA DE110 "universal" receiving frames (indicated by their BLUE LED). Existing PATA DE110 receiving frames are indicated by their GREEN LED.

For SATA 1.5Gb/s operation, a SATA controller and appropriate SATA cable are required.

Unit ID Select Switch Settings

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

The following table lists the unit ID select switch settings and the valid AT/IDE unit numbers. Please note that all invalid switch settings have X's and result in a blank display in the receiving frame window.

| Unit Select Position | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|----------------------------|-------|------------|----|-------|-------|------------|----|-------|-------|-------|
| Parallel/ Serial ATA Drive | X | 1 | 2 | X | X | 3 | 4 | X | X | X |
| LED Number Display | Blank | 0 | 2* | Blank | Blank | 1 | 3* | Blank | Blank | Blank |
| W1 Jumper Position | X | Pins 1 & 2 | | X | | Pins 3 & 4 | | X | | |

Figure 4: Unit ID Select Switch Settings

Product Warranty

CRU-DataPort (CRU) warrants the Data Express DE110 to be free of significant defects in material and workmanship for a period of five 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.
2. This device must accept any interference received; including interference that may cause undesired operation.

Register your product at www.CRU-DataPort.com

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