



Protecting
Your Digital
Assets-



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Product Models	RTX800-TR
Interface Types and Speeds	Thunderbolt: up to 10 Gbps bi-directional
Drive Types Supported	<ul style="list-style-type: none"> • 3.5" SATA Hard Drives • 3.5" SAS Hard Drives
Data Connectors	Two (2) Thunderbolt connectors
RAID Levels	JBOD, 0, 1, 4, 5, 6, 10, and ATTO DVRAID
Operating System Requirements	<ul style="list-style-type: none"> • Windows 7 or 8 • Windows Server 2012 or 2008 R2 (x64 only) • Mac OS X 10.6.8 or later • Linux distributions that support the connection type used
Compliance	EMI Standard: FCC Part 15 Class A, CE EMC Standard: EN55022, EN55024
Shipping Weight	<ul style="list-style-type: none"> • 25 pounds (without drives) • 37 pounds (with drives)
Product Dimensions	6.97" x 10.63" x 14.57" (177mm x 270mm x 370mm)
Technical Support	Your investment in CRU products is backed up by our free technical support for the lifetime of the product. Contact us through our website, cru-inc.com/support or call us at 1-800-260-9800 or +1-360-816-1800.

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Product Warranty and Limitation of Liability:

Product Warranty

CRU warrants this product 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.

FCC Compliance 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, and (2) this device must accept any interference received, including interference that may cause undesired operation." This equipment has been tested and found to comply with the limits for a Class A 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. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at this own expense.

In the event that you experience Radio Frequency Interference, you should take the following steps to resolve the problem:

- 1) Ensure that the case of your attached drive is grounded.
- 2) Use a data cable with RFI reducing ferrites on each end.
- 3) Use a power supply with an RFI reducing ferrite approximately 5 inches from the DC plug.
- 4) Reorient or relocate the receiving antenna.



CRU RTX® 800-TR Enclosure Quick Start Guide



Thank you for purchasing CRU's RTX 800-TR enclosure. The CRU RTX800-TR Thunderbolt™ portable RAID tower offers 10 Gbps performance with a dual Thunderbolt interface. The RTX800-TR houses eight 3.5" SAS or SATA hard drives, providing up to 32TB of storage.

CRU TrayFree™ bays make adding drives effortless: simply open a drive bay door, slide the drive in, and close the door. No screws, no trays, no tools. The rugged TrayFree bays are rated for over 25,000 insertion cycles.

Dual Thunderbolt interfaces allow the fastest connection to your Mac or PC host, at rates up to 10 Gbps in both directions and at the same time. This kind of performance can transfer or back up 1TB of content in approximately 20 minutes.

Features

- Supports JBOD and RAID levels 0, 1, 4, 5, 6, and 10
- Ideal for video editing, high throughput visualization and simulation
- Up to 32TB can be stored in easy access TrayFree Bays
- 10Gbps Thunderbolt Technology for the ultimate in SAS/SATA performance

NOTE: The RTX800-TR enclosure requires Thunderbolt drivers and RAID management software to be installed on your computer. You may download the appropriate files for your operating system from CRU's RTX800-TR product webpage: <http://www.cru-inc.com/products/RTX800-TR.php>.

1 Hard Drive Installation

- Pull the ejection handle on the TrayFree bay to open the bay door.
- Insert a bare SAS or SATA hard drive into the bay. Make sure it is label-side up with the data connector on the drive inserted first.
- Shut the bay door.

Sticker Card

Use the stickers on the provided sticker card to label each drive. This will prevent the drives from getting mixed up when they are removed from the bays.

2 Operating Your RTX Enclosure

- Install your hard drives into the RTX enclosure (see Section 1.1).
- Connect the RTX enclosure to a power outlet with the included power cord.
- Connect the RTX enclosure to your computer using the included Thunderbolt cable.
- Flip the power switch on the rear of the unit to turn on the RTX enclosure.

2.1 Installing Thunderbolt Drivers

- Download the appropriate Thunderstream SC 3808 driver for your operating system from the RTX800-TR product page: <http://www.cru-inc.com/products/RTX800-TR.php>.
- On Windows machines, open the ZIP file and run the included .EXE file. Press the Unzip button and then follow the prompts to install the driver.

On Mac machines, the folder will automatically unzip. Open the folder and double click on the .dmg file. A new folder will open. Double click on the .pkg file and follow the prompts to install the driver. A computer restart will be required.

2.2 Install ATTO ConfigTool

- Download the version of ATTO ConfigTool appropriate for your operating system from the RTX800-TR product page: <http://www.cru-inc.com/products/RTX800-TR.php>.

- On Windows machines, open the .exe file and click the **Unzip** button. The setup files will unzip. Press **OK**. Navigate to the folder you unzipped it to (the default path is "C:\ATTO\ConfigTool") and open the ConfigTool_411.exe file there.

For Mac, open the ConfigTool_4xx file inside of the .dmg file you downloaded.

- Follow the onscreen instructions. On the "Choose Install Set" screen, select **Full Installation** and then click the **Next** button. Continue to follow the onscreen instructions.

2.3 Configuring RAID

- Open ATTO ConfigTool.
- From the Device Listing panel on the left, expand the list for the computer that your RTX is plugged into. If the RTX enclosure is plugged into the computer you are currently using, select **localhost**.
- A login window will pop up. Provide the Windows username and password for the computer the RTX is plugged into and press **OK**. The device listing for that computer will appear.
- Click on **ThunderStream SC 3808**.
- A new set of tabs will appear in the right panel. Click on the **RAID** tab. If this is the first time setting up a RAID on these hard drives, the RAID wizard will automatically open. If it does not start automatically, select the **RAID Management** menu item at the top of the screen and select **Create RAID Group** from the menu.
- Select **Setup DVRAID**. DVRAID provides parity redundancy for your data and is optimized for high data transfer rates. The wizard will automatically set up DVRAID using all the storage inside of the RTX enclosure.
- To customize your RAID setup with a standard RAID mode, download the User Manual from the RTX800-TR product page for instructions: <http://www.cru-inc.com/products/RTX800-TR.php>.

Your RTX enclosure is almost ready to use! Now that you have created a RAID, the volume will need to be formatted before being used.