

CRU RJR110

CRU RhinoJR 110 SATA II Removable HDD Enclosure User Manual

1. INTRODUCTION AND OVERVIEW

The CRU RhinoJR 110 (Model RJR110, Part Number 6650-5000-0500) is a robust, cast aluminum-constructed removable drive enclosure. It is designed to securely house a single 3.5-inch form factor Serial ATA (SATA) hard disk drive and allow for its installation into a standard 5.25-inch half-height peripheral bay within a computer system. This enclosure facilitates easy hot-swapping and management of SATA drives, providing a reliable solution for data storage and transfer.



Figure 1.1: Front view of the CRU RhinoJR 110 SATA II Removable HDD Enclosure, showing the drive bay, lock mechanism, and status indicators.

2. PACKAGE CONTENTS

Please verify that all items listed below are present in your package:

- CRU RhinoJR 110 SATA II Removable HDD Enclosure
- Mounting hardware (screws)

3. PRODUCT FEATURES

- Designed for 3.5-inch Serial ATA (SATA) hard disk drives.
- Installs into a standard 5.25-inch half-height peripheral bay.
- Supports SATA II (Serial ATA/300) interface.
- Durable cast aluminum construction for enhanced drive protection and heat dissipation.
- Internal form factor with black finish.
- Keyed lock mechanism for secure drive retention.

4. SETUP AND INSTALLATION

4.1. Installing a 3.5-inch SATA Drive into the Enclosure

1. Ensure the enclosure is unlocked. Use the provided key to turn the lock mechanism to the 'OPEN' position.
2. Gently pull the drive tray out of the enclosure.
3. Align your 3.5-inch SATA hard drive with the connectors on the drive tray.
4. Carefully slide the hard drive onto the connectors until it is firmly seated. Secure the drive to the tray using the appropriate screws from the mounting hardware.
5. Slide the loaded drive tray back into the enclosure until it clicks into place.
6. Turn the lock mechanism to the 'LOCK' position to secure the drive.

4.2. Installing the Enclosure into a 5.25-inch Bay

1. Power off your computer and disconnect the power cord.
2. Remove the computer's side panel to access the internal drive bays.
3. Locate an available 5.25-inch half-height peripheral bay. Remove any bay covers if necessary.
4. Slide the CRU RhinoJR 110 enclosure into the 5.25-inch bay from the front of the computer until its mounting holes align with those of the bay.
5. Secure the enclosure to the computer chassis using the provided mounting screws.
6. Connect a SATA data cable from the enclosure's rear port to an available SATA port on your computer's motherboard.
7. Connect a SATA power cable from your computer's power supply to the enclosure's power input.
8. Replace the computer's side panel and reconnect the power cord.

5. OPERATING INSTRUCTIONS

5.1. Powering On and Drive Detection

After installation, power on your computer. The operating system should detect the installed SATA drive within the enclosure. You may need to initialize and format the drive through Disk Management (Windows) or Disk Utility (macOS/Linux) if it is a new drive.

5.2. Inserting and Removing Drives

The CRU RhinoJR 110 features a key-lock mechanism for secure drive insertion and removal.

- **To Insert a Drive:** Ensure the enclosure is unlocked (key in 'OPEN' position). Slide the drive tray with the installed HDD into the enclosure until it latches. Turn the key to the 'LOCK' position.
- **To Remove a Drive:** Safely eject or unmount the drive from your operating system to prevent data loss. Turn the key to the 'OPEN' position. Gently pull the drive tray out of the enclosure.



Figure 5.1: The CRU RhinoJR 110 with its drive tray partially extended, illustrating the mechanism for drive insertion and removal.

6. MAINTENANCE

To ensure optimal performance and longevity of your CRU RhinoJR 110 enclosure:

- Keep the enclosure clean and free from dust. Use a soft, dry cloth for cleaning. Avoid liquid cleaners.
- Ensure adequate airflow around the computer's drive bays to prevent overheating, especially when using high-performance hard drives.
- Handle hard drives and the enclosure with care to avoid physical damage.

7. TROUBLESHOOTING

7.1. Drive Not Detected

- **Check Cables:** Ensure both the SATA data cable and SATA power cable are securely connected to the enclosure and the motherboard/power supply.
- **Verify Drive Seating:** Make sure the 3.5-inch SATA drive is properly seated within the enclosure's tray and the tray is fully inserted and locked into the enclosure.
- **BIOS/UEFI Settings:** Check your computer's BIOS/UEFI settings to ensure the SATA port to which the enclosure is connected is enabled.
- **Test Drive:** If possible, test the hard drive directly connected to the motherboard or in another known working enclosure to rule out a drive issue.

7.2. Slow Performance

- **SATA Port Speed:** Ensure the enclosure is connected to a SATA II (3.0 Gbps) compatible port on your motherboard for optimal performance.
- **Drive Health:** Check the health of your hard drive using diagnostic tools.

8. SPECIFICATIONS

Product Name	RhinoJR 110 SATA II Removable HDD Enclosure
Model Number	RJR110 (Part Number: 6650-5000-0500)
Drive Compatibility	3.5-inch Serial ATA (SATA) Hard Disk Drives
Bay Compatibility	5.25-inch Half-Height Peripheral Bay
Interface	Serial ATA/300 (SATA II)
Form Factor	Internal
Color	Black
Material	Cast Aluminum
Dimensions (H x W x D)	1.7 x 5.8 x 9.0 inches (43.2 x 147.3 x 228.6 mm)
Weight	Approximately 1 pound (0.45 kg)

9. WARRANTY INFORMATION

The CRU RhinoJR 110 SATA II Removable HDD Enclosure comes with a Standard **5-Year Warranty**. For detailed terms and conditions, or to initiate a warranty claim, please refer to the official CRU website or contact CRU customer support directly.

10. SUPPORT

For further assistance, technical support, or to access additional resources such as drivers or firmware updates, please visit the official CRU website. You can typically find contact information for customer service and support on their website.