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› Unitek DiskGuard Raiden 2.5" USB-C to SATA III Hard Disk Enclosure User Manual

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1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Unitek DiskGuard Raiden 2.5" USB-C to SATA III Hard Disk Enclosure. This enclosure is designed to convert a 2.5-inch SATA I/II/III HDD or SSD into an external USB-C storage device, offering convenient data transfer and portability.



Figure 1: Unitek DiskGuard Raiden 2.5" USB-C to SATA III Hard Disk Enclosure. This image shows the compact, black enclosure with its integrated USB-C cable.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x Unitek DiskGuard Raiden 2.5" USB-C to SATA III Hard Disk Enclosure
- 1 x User Manual

3. PRODUCT FEATURES

- Supports most 7mm/9.5mm 2.5-inch SATA I/II/III HDDs and SSDs.
- USB 3.0 specification for data transfer rates up to 5Gbps.
- Backward compatible with USB 2.0.
- Features a sleep mode function for energy saving during idle periods.
- Tool-free installation for quick and easy setup.
- Supports hot-swap functionality.
- Plug and Play operation, requiring no driver installation.
- Durable ABS housing.

4. SETUP INSTRUCTIONS

Follow these steps to install your 2.5-inch SATA HDD or SSD into the enclosure:

4.1 Opening the Enclosure

1. Gently slide the top cover of the enclosure to open it. The enclosure is designed for tool-free access.

Toolless Design

Easy installation, tool is not required



Figure 2: The enclosure features a tool-free design, allowing the top cover to slide open for drive installation.

4.2 Installing the HDD/SSD

2. Align your 2.5-inch SATA HDD or SSD with the SATA connector inside the enclosure.
3. Gently push the drive into the connector until it is firmly seated. Ensure the drive is flush with the enclosure's internal tray.

4.3 Closing the Enclosure

4. Slide the top cover back into place until it clicks securely.

4.4 Connecting to a Computer

5. Connect the integrated USB-C cable from the enclosure to an available USB-C port on your computer.
6. The enclosure is plug-and-play; your operating system should automatically detect the new storage device.
7. If this is a new HDD/SSD, it may need to be initialized and formatted before use. Refer to your operating system's documentation for instructions on disk management.

5. OPERATING INSTRUCTIONS

5.1 Data Transfer

Once connected, the enclosure will appear as an external drive on your computer. You can drag and drop files, copy, paste, and perform other standard file operations as you would with any other storage device. The USB 3.0 interface supports data transfer speeds up to 5Gbps.

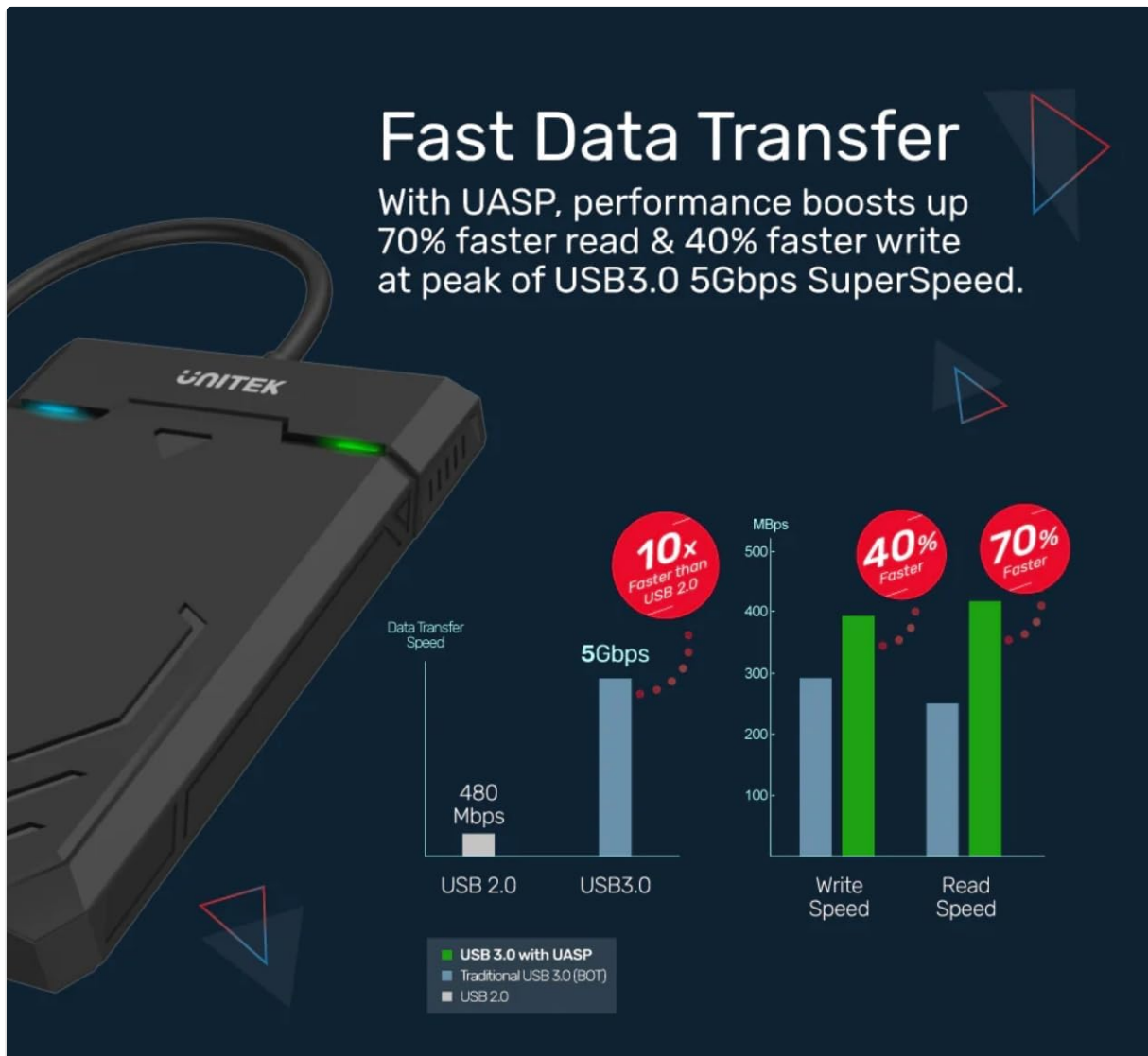


Figure 3: The enclosure supports fast data transfer speeds up to 5Gbps, significantly faster than USB 2.0.

5.2 LED Indicators

The enclosure features two LED indicators:

- **Green LED Light:** Indicates power status. It will turn on when the enclosure is connected to a power source (via USB-C).
- **Blue LED Light:** Indicates read and write status. It will flash when data is being transferred to or from the drive.

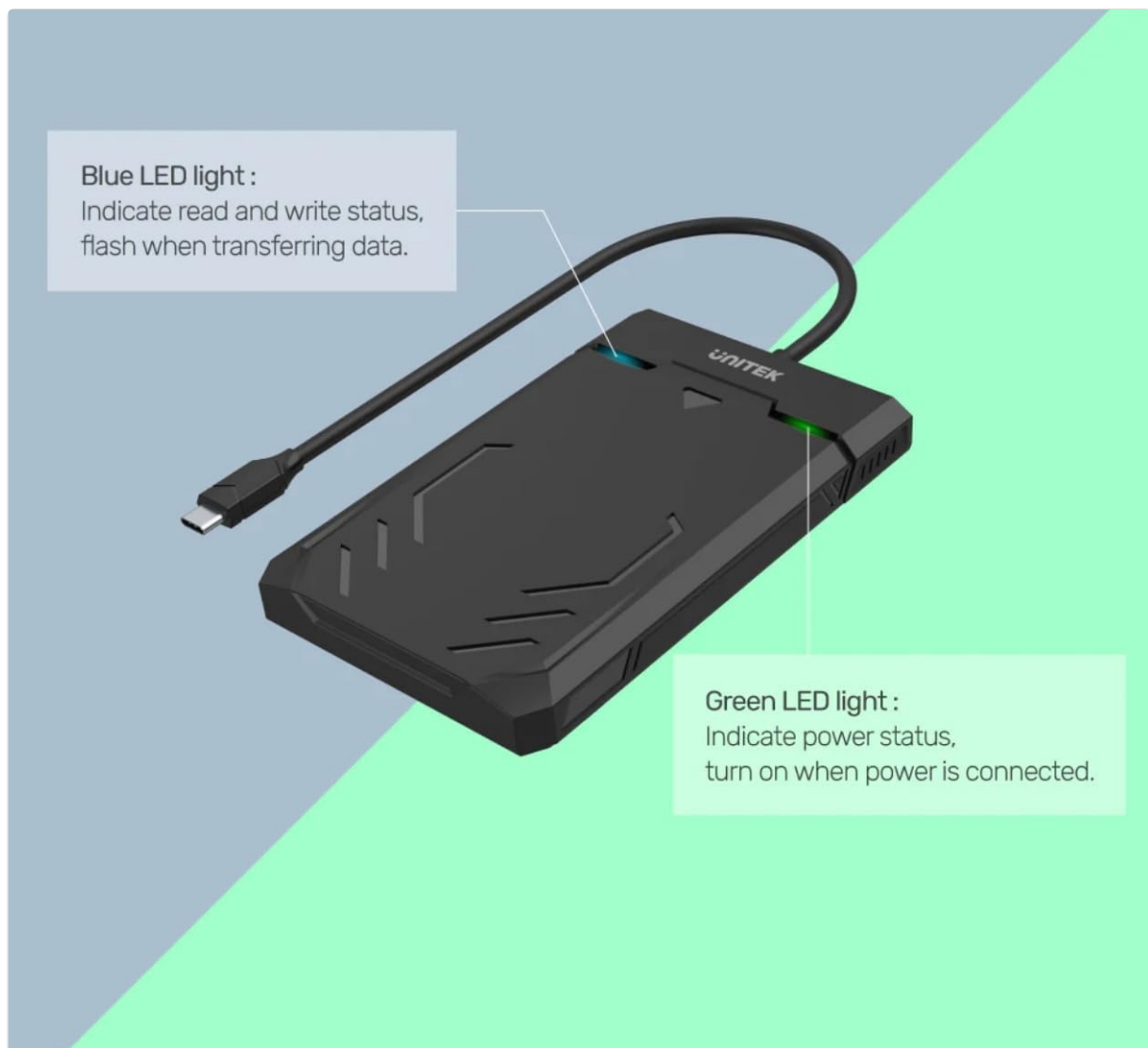


Figure 4: The enclosure's LED lights provide visual feedback on power and data activity. The green light indicates power, and the blue light flashes during data transfer.

5.3 Sleep Mode

The enclosure is equipped with a sleep mode function. If the drive is idle for a period (typically 10-15 minutes, depending on the operating system and drive settings), it will enter sleep mode to conserve energy and extend the life of the drive. The drive will automatically wake up when accessed.

6. MAINTENANCE

- Keep the enclosure clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the enclosure to extreme temperatures, humidity, or direct sunlight.
- Do not drop or subject the enclosure to strong impacts.
- Ensure proper ventilation around the enclosure during operation.
- Always safely eject the drive from your operating system before disconnecting the USB-C cable to prevent data corruption.

7. TROUBLESHOOTING

7.1 Drive Not Detected

- **Check Connections:** Ensure the USB-C cable is securely connected to both the enclosure and your

computer.

- **Try Another USB Port:** Connect the enclosure to a different USB-C port on your computer.
- **Verify Drive Installation:** Open the enclosure and ensure the HDD/SSD is correctly seated in the SATA connector.
- **Check Drive Status:** For new drives, ensure they are initialized and formatted in your operating system's Disk Management (Windows) or Disk Utility (macOS).
- **Test with Another Drive/Computer:** If possible, test the enclosure with a different 2.5-inch SATA drive or connect it to another computer to isolate the issue.

7.2 Slow Data Transfer Speeds

- **USB 3.0 Port:** Ensure the enclosure is connected to a USB 3.0 (or higher) port on your computer. Connecting to a USB 2.0 port will limit speeds to USB 2.0 performance.
- **Drive Performance:** The actual transfer speed is also limited by the speed of the installed HDD/SSD.
- **Cable Quality:** While the enclosure has an integrated cable, ensure no other factors are affecting USB performance.

7.3 Enclosure Gets Warm

It is normal for the enclosure to become warm during extended use, especially during heavy data transfer. This is due to heat generated by the internal HDD/SSD. Ensure adequate airflow around the enclosure.

8. SPECIFICATIONS

Model Name	DiskGuard Raiden 2.5" USB-C to SATA III Hard Disk Enclosure
Brand	Unitek
Hardware Interface	USB4 Type C (<i>Note: Product description states USB3.0, please refer to product packaging for exact USB version.</i>)
Compatible Drives	2.5-inch SATA I/II/III HDD & SSD (7mm/9.5mm thickness)
Max Memory Storage Capacity	20 TB
Data Transfer Rate	Up to 5 Gigabits Per Second (USB 3.0)
Enclosure Material	ABS Housing
Color	Black
Supported Devices Quantity	1
ASIN	B0D4XQVFDM
GTIN	04894160044570

Note: Specifications are subject to change without prior notice.

9. WARRANTY AND SUPPORT

Unitek products are covered by a limited warranty. For detailed warranty information, technical support, or

customer service, please refer to the official Unitek website or contact your local retailer. Please retain your proof of purchase for warranty claims.

For further assistance, please visit: [Unitek Official Store on Amazon](#)