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› [UGREEN 5-Bay RAID Hard Drive Enclosure User Manual](#)

UGREEN 60638

UGREEN 5-Bay RAID Hard Drive Enclosure

Model: 60638

Brand: UGREEN

1. PRODUCT OVERVIEW

The UGREEN 5-Bay RAID Hard Drive Enclosure is designed for robust data storage and management, supporting both 3.5-inch and 2.5-inch SATA HDDs and SSDs. It offers flexible RAID configurations and high-speed data transfer capabilities, making it ideal for various applications from personal backup to professional data centers.



Front view of the UGREEN 5-Bay RAID Hard Drive Enclosure, showcasing its sleek design and five drive bays.

Key Features:

- **5-Bay RAID Support:** Accommodates up to five 2.5-inch or 3.5-inch SATA HDDs/SSDs.
- **Multiple RAID Modes:** Supports PM (Port Multiplier), Large, RAID 0, RAID 1, RAID 3, RAID 5, RAID 10, and Clone modes for diverse data management strategies.
- **High Capacity:** Supports a total capacity of 100TB, with up to 18TB per single hard drive.
- **Fast Data Transfer:** Achieves transfer rates up to 220 MB/s and 5 Gbps, with support for UASP protocol and TRIM function.
- **Efficient Cooling:** Equipped with two silent internal fans to accelerate air convection and ensure rapid, effective cooling.
- **Driver-Free & Plug-and-Play:** No driver installation required; simply connect via the provided Type-C to A/C cable.
- **Automatic Sleep Mode:** Features an auto-sleep function to protect HDDs/SSDs and conserve energy.
- **User-Friendly Installation:** Tool-free installation for 3.5-inch drives; 2.5-inch drives are secured with included screws.

2. SETUP GUIDE

2.1 Package Contents:

- UGREEN 5-Bay RAID Hard Drive Enclosure
- Type-C to A/C Data Cable
- Power Adapter (12V/7.5A)
- Screws for 2.5-inch drives
- User Manual (this document)

2.2 Installing Hard Drives:

1. Ensure the enclosure is powered off and disconnected from your computer.
2. Gently pull out the drive trays from the front of the enclosure.
3. For **3.5-inch HDDs**: Simply slide the drive into the tray until it clicks into place. No screws are required.
4. For **2.5-inch SSDs/HDDs**: Place the drive into the tray and secure it firmly using the provided screws.
5. Slide the loaded tray back into the corresponding bay until it is fully seated.

Unterstützt 90TB Kapazität

Kompatibel mit 2.5/3.5 inch SATA HDD/
SSD, jeder Festplatte von bis zu 18TB

2.5" HDD

3.5" HDD

2.5" SSD



The enclosure supports both 2.5-inch and 3.5-inch HDDs/SSDs, with a total capacity of up to 100TB.

2.3 Connecting to Your Computer:

1. Connect the power adapter to the enclosure's power input and then to a power outlet.
2. Connect one end of the provided Type-C to A/C data cable to the enclosure's data port.
3. Connect the other end of the data cable to an available USB-A or USB-C port on your computer.
4. Power on the enclosure. The device is plug-and-play and does not require additional drivers for Windows,

Mac OS, or Linux operating systems.



Kein Treiber erfordert



The UGREEN enclosure is driver-free and compatible with Windows, Mac OS, and Linux.

2.4 RAID Mode Configuration:

The enclosure supports 8 RAID modes. Configuration is typically done via DIP switches located on the back of the unit. **Before configuring RAID modes, ensure all drives are empty or that you have backed up any critical data, as changing RAID modes can lead to data loss.** Refer to the detailed instructions in the full product manual for specific DIP switch settings for each RAID mode (PM, Large, RAID 0, RAID 1, RAID 3,

RAID 5, RAID 10, Clone).

5 Bay 8 Große

PM/Large/RAID0/RAID1/RAID3/RAID5/RAID10/Clone



Datensicherung- RAID1/CLONE



Videoschnitt- RAID 0/CLONE3



Daten speichern- PM/LARGE



Kapazität Erweitern- PM



Für Rechenzentrum- RAID 5/10/LARGE



Großer Dateien Speichern- PM/LARGE

Different RAID modes offer various benefits for data backup, video editing, storage, capacity expansion, and data center use.

3. OPERATING INSTRUCTIONS

3.1 Data Transfer:

Once connected, your computer will recognize the drives within the enclosure based on the configured RAID mode. You can then transfer files to and from the drives as you would with any other storage device. The enclosure supports UASP protocol and TRIM function for optimized performance.

220 MB/s Übertragungsrate

UASP Protokoll / TRIM
unterstützen



Experience fast data transfer speeds of up to 220 MB/s with UASP protocol and TRIM support.

3.2 Automatic Sleep Mode:

The enclosure features an automatic sleep mode to reduce power consumption and extend the lifespan of your hard drives. If there is no data activity for a certain period, the drives will enter sleep mode. They will

automatically wake up when data access is initiated.

3.3 Safe Removal:

To prevent data corruption or loss, always safely eject or unmount the drives from your operating system before disconnecting the enclosure or powering it off. This ensures all write operations are completed and the file system is properly dismounted.

4. MAINTENANCE

4.1 Cooling System:

The enclosure is equipped with two silent fans to maintain optimal operating temperatures for your drives. Ensure that the ventilation grilles are not obstructed to allow for proper airflow.

Mit 2 eingebauten geräuscharmen Lüftungen

Beschleunigen Sie die Luftkonvektion und Abkühlung



Two built-in silent fans ensure efficient air convection and rapid cooling for optimal performance.

4.2 Cleaning:

Periodically clean the exterior of the enclosure with a soft, dry cloth. Do not use liquid cleaners or aerosols. Ensure no dust accumulates in the ventilation areas.

4.3 Power Supply:

Always use the original 12V/7.5A power adapter provided with the enclosure to ensure stable and safe operation.



Sicher und Stabile

Mit 12V/7.5A Stromversorgung
für stabile Übertragung.

The enclosure is powered by a 12V/7.5A adapter for stable and reliable data transmission.

5. TROUBLESHOOTING

5.1 Drives Not Recognized:

- Ensure the power adapter is securely connected and the enclosure is powered on.
- Verify that the data cable is properly connected to both the enclosure and your computer. Try a different USB port on your computer.
- Check if the hard drives are correctly seated in their trays and fully inserted into the bays.
- If using new drives, they may need to be initialized, partitioned, and formatted through your operating system's Disk Management (Windows) or Disk Utility (Mac OS).
- If a RAID mode was recently changed, ensure the drives are compatible with the new mode and re-initialization might be required (which will erase data).

5.2 Slow Data Transfer Speeds:

- Ensure your computer's USB port supports USB 3.0 (or higher) for optimal speeds.
- Verify that the UASP protocol is active. This is usually automatic with compatible operating systems and hardware.
- Check the health of your hard drives. Degraded drives can impact performance.
- Avoid running multiple demanding applications simultaneously during large file transfers.

5.3 Unexpected Drive Disconnections:

- Ensure the power supply is stable and not interrupted.
- Check the data cable for any damage or loose connections. Try a different cable.
- Ensure the enclosure is placed on a stable surface and not subject to vibrations.
- If hot-swapping drives (removing/inserting while powered on) in non-RAID modes, this can cause all drives to disconnect. Always safely eject drives and power off the unit before swapping.

6. SPECIFICATIONS

Feature	Detail
Brand	UGREEN
Model Number	60638
Interface	USB (Type-C to A/C cable provided)
Compatible Drives	2.5"/3.5" SATA HDD/SSD
Max Single Drive Capacity	18 TB
Max Total Capacity	100 TB
RAID Modes Supported	PM, Large, RAID 0, RAID 1, RAID 3, RAID 5, RAID 10, Clone
Data Transfer Rate	Up to 5 Gbps (USB 3.0), 220 MB/s

Material	Aluminum or Alloy Steel
Cooling	Dual Silent Fans
Power Supply	12V/7.5A
Operating System Compatibility	Windows, Mac OS, Linux (Driver-free)
Item Weight	3.17 Kilograms

7. WARRANTY AND SUPPORT

Warranty information for this product was not available in the provided data. For specific warranty terms, technical support, or service inquiries, please visit the official UGREEN website or contact UGREEN customer support directly.

You can often find support resources, FAQs, and contact information on the [UGREEN Brand Store on Amazon](#) or their official global website.