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UGREEN 80556

UGREEN USB C 3.1 Gen 2 to SATA III 2.5" Hard Drive Enclosure (Model 80556) Instruction Manual

Expand Storage, Upgrade System, Back Up Files

1. INTRODUCTION

This manual provides detailed instructions for the UGREEN USB C 3.1 Gen 2 to SATA III 2.5" Hard Drive Enclosure (Model 80556). This device allows you to easily connect a 2.5" SATA Solid State Drive (SSD) or Hard Disk Drive (HDD) to your computer or other compatible devices, enabling storage expansion, system upgrades, file backup, data retrieval, and data transfer.

Please read this manual thoroughly before using the product to ensure proper installation and operation.

2. PRODUCT OVERVIEW

The UGREEN USB C Hard Drive Enclosure is designed for high-speed data transfer and robust protection of your 2.5" SATA drives. Its tool-free design ensures easy installation and broad compatibility.

Key Features:

- **USB C 3.1 Gen 2 Interface:** Provides up to 6Gbps high-speed data transfer.
- **UASP Accelerated Transmission Protocol:** Supports UASP for speeds up to 70% faster than traditional USB 3.0.
- **Broad Compatibility:** Works with most 2.5" SATA III / II / I SSDs and HDDs up to 6TB. Compatible with Windows, macOS, Linux systems, game consoles (PS4, Xbox One), Smart TVs, and routers.
- **Tool-Free Installation:** Plug & Play design requires no tools or drivers.
- **LED Indicator:** Blue LED light indicates working status.
- **Secure Connection:** Features EVA foam inside to protect the hard disk from shakes and scratches.
- **Auto-Sleep Function:** Automatically enters sleep mode after 15 minutes of inactivity to prolong

drive lifespan.

- **Multi-Protection Chip:** Advanced chip provides leakage, short circuit, overcurrent, overvoltage, and overheating protection.

All-Round Protection

Reliable house for your valuable hard drive & data



Figure 1: All-Round Protection with ABS case and built-in anti-vibration cushion.



6Gbps Ultra Fast Speed



UASP



S.M.A.R.T



SATA III

Figure 2: Illustrates 6Gbps Ultra Fast Speed with UASP, S.M.A.R.T, and SATA III support.

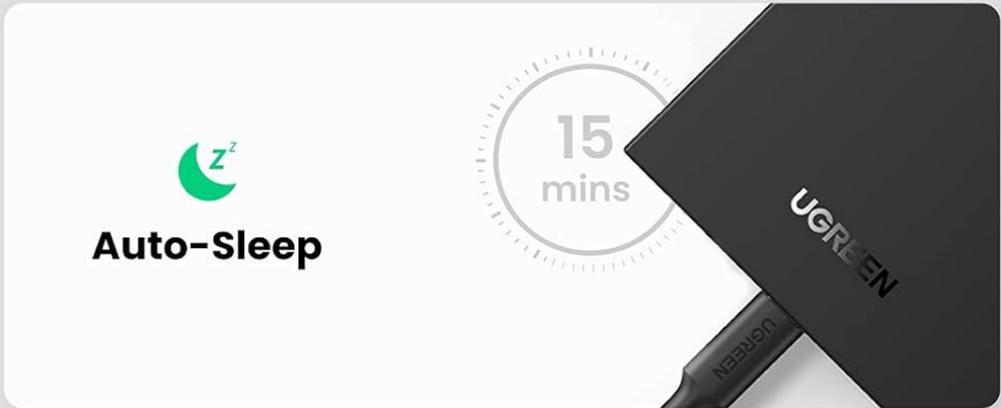


Figure 3: Details the USB-C 3.1 Interface, LED Indicator, and Auto-Sleep function.



Figure 4: Shows the advanced chip providing multiple protections including leakage, short circuit, overcurrent, overvoltage, and overheating.

3. PACKAGE CONTENTS

- 1 x UGREEN 2.5" Hard Drive Enclosure (Model 80556)
- 1 x USB C to USB C Cable
- 1 x Product Manual

4. SPECIFICATIONS

Attribute	Value
Model Number	80556
Material	Plastic
Hard Disk Form Factor	2.5 Inches
Max Memory Storage Capacity	6 TB
Data Transfer Rate	6 Gigabits Per Second
Hardware Interface	USB 3.1 Type C
Compatible Devices	PC, Router, iPad, iPhone, PS4, Xbox One, Smart TV
Product Dimensions	5.27 x 3.21 x 0.62 inches
Item Weight	2.82 ounces
Color	Black

Compact & Lightweight



Figure 5: The compact and lightweight design of the enclosure.

5. SETUP & INSTALLATION

5.1 Physical Installation of the Drive

1. Gently slide the top cover of the enclosure off by pushing down slightly and sliding backward.
2. Ensure your 2.5" SATA SSD or HDD is free of any screws that might prevent it from fitting into the enclosure.
3. Align the SATA data and power connectors on your drive with the corresponding connectors

inside the enclosure.

4. Carefully push the drive into the enclosure until the connectors are fully engaged. The internal EVA foam will hold the drive snugly in place.
5. Slide the top cover back onto the enclosure until it clicks securely into place.



Figure 6: Step-by-step guide for easy, tool-free installation of the 2.5" SATA drive into the enclosure.

Video 1: Detailed guide on how to physically install an SSD into the UGREEN USB C Enclosure and connect it to a Mac for initial setup.

5.2 Connecting to a Computer

1. Connect one end of the provided USB C to USB C cable to the enclosure's USB C port.
2. Connect the other end of the cable to an available USB C port on your computer (Windows, macOS, or Linux).
3. The blue LED indicator on the enclosure will light up, indicating a successful connection. It will flash when data is being accessed.

5.3 Initializing and Formatting the Drive

For a new drive, or if the drive is not recognized by your operating system, it may need to be initialized and formatted. It is recommended to format the drive to ExFAT for broad compatibility across Windows, macOS, and Linux systems.

5.3.1 For Windows Systems:

1. Right-click on 'This PC' (or 'My Computer') and select 'Manage'.
2. In the 'Computer Management' window, select 'Disk Management' under 'Storage'.
3. Locate your newly added hard disk (it may appear as 'Unallocated Space').
4. Right-click on the unallocated space and select 'New Simple Volume'.
5. Follow the 'New Simple Volume Wizard' prompts. Assign a drive letter and choose 'ExFAT' as the file system.
6. Complete the wizard to format the drive.

Video 2: Step-by-step guide on how to partition and format a hard disk in Windows, macOS, and Linux systems.

5.3.2 For macOS Systems:

1. Open 'Disk Utility' (you can find it using Spotlight Search: Command + Spacebar, then type 'Disk Utility').
2. In Disk Utility, go to 'View' and select 'Show All Devices' to ensure your drive is visible.
3. Select the root of your external drive (e.g., 'Samsung SSD 860 EVO 500G Media'), not just a

volume.

4. Click 'Erase' in the toolbar.
5. Enter a name for the drive. For 'Format', select 'ExFAT'. For 'Scheme', select 'Master Boot Record'.
6. Click 'Erase' to format the drive.

5.3.3 For Linux Systems:

1. Open the 'Disks' utility (often found in 'Utilities' or by searching).
2. Select your newly added hard disk from the left pane.
3. Click the '+' button to create a new partition.
4. Choose the desired partition size.
5. In the 'Format Volume' dialog, select 'Other' for the file system type, then choose 'ExFAT' from the custom format options.
6. Click 'Create' to format the drive.

6. OPERATING INSTRUCTIONS

Once the drive is successfully installed and formatted, it will appear as an external storage device on your computer. You can now drag and drop files, create folders, and manage data just like any other drive.

- **Data Transfer:** Simply drag and drop files to and from the drive. The USB 3.1 Gen 2 interface with UASP support ensures fast transfer speeds.
- **Safe Removal:** Always safely eject the drive from your operating system before disconnecting the USB cable to prevent data loss or corruption.

7. MAINTENANCE

- Keep the enclosure clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Do not attempt to disassemble the enclosure beyond removing the cover for drive installation.

8. TROUBLESHOOTING

Drive Not Recognized:

- Ensure the USB C cable is securely connected to both the enclosure and your computer.
- Try connecting to a different USB C port on your computer.
- Test with a different USB C cable if available.
- Check 'Disk Management' (Windows) or 'Disk Utility' (macOS/Linux) to see if the drive appears but is uninitialized or unformatted. Follow the initialization and formatting steps in Section 5.3.

- Ensure the drive inside the enclosure is properly seated and connected to the SATA interface.

Slow Transfer Speeds:

- Ensure your computer's USB C port supports USB 3.1 Gen 2 for optimal speeds. Older USB 2.0 or 3.0 ports will result in slower transfers.
- Verify that your operating system and drivers are up to date.
- The performance of the drive itself (SSD vs. HDD) will affect transfer speeds.
- Avoid transferring many small files simultaneously, as this can reduce overall speed compared to large single files.

9. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the official UGREEN website or contact UGREEN customer service directly. Keep your purchase receipt for warranty claims.