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› Yottamaster FS5U3 5-Bay External Hard Drive Enclosure User Manual

Yottamaster Yottamaster-FS5U3-UK-GY

Yottamaster FS5U3 5-Bay External Hard Drive Enclosure User Manual

Model: FS5U3 | Brand: Yottamaster

1. INTRODUCTION

Thank you for choosing the Yottamaster FS5U3 5-Bay External Hard Drive Enclosure. This device is designed to provide a professional, enterprise-class storage solution for your 2.5-inch and 3.5-inch SATA HDDs and SSDs. With support for up to five drives, each up to 18TB, it offers a massive total capacity of 90TB, making it ideal for data-intensive applications such as audio/video editing, digital photography, and large-scale data backup.

This manual provides detailed instructions on setting up, operating, maintaining, and troubleshooting your Yottamaster FS5U3 enclosure to ensure optimal performance and longevity.

YOTTAMASTER Y-FOCUS SERIES 5 BAY HARD DRIVE ENCLOSURE

Professional Enterprise-class Storage Solution



Figure 1.1: Yottamaster FS5U3 5-Bay Hard Drive Enclosure in a professional environment, highlighting its enterprise-class storage capabilities.

2. KEY FEATURES

- **Massive Storage Capacity:** Supports up to five 2.5-inch or 3.5-inch SATA HDDs/SSDs, with a maximum total capacity of 90TB (5 x 18TB).
- **High-Speed Data Transfer:** Utilizes SATA 3.0 protocol with USB 3.0 interface, offering transfer speeds up to 6Gbps, significantly faster than conventional USB 3.0.
- **Robust Aluminum Construction:** Built with industrial-grade aluminum for durability and effective heat dissipation.

Features five removable aluminum trays for easy drive installation.

- **Efficient Cooling System:** Equipped with an integrated 80mm silent fan and special Meteor cooling holes on the front and rear to maintain optimal operating temperatures for your drives.
- **Automatic Sleep Function:** The enclosure automatically enters sleep mode after 10 minutes of data inactivity, conserving power and extending drive lifespan. This function can be disabled via hardware settings on the official website.
- **Plug and Play & Hot-Swap:** Easy to set up and use, supporting hot-swapping of drives.
- **Wide Compatibility:** Compatible with Windows, Mac, and Linux operating systems.
- **Comprehensive Protection:** Features a 150W internal power supply with multiple protection mechanisms including short circuit, overvoltage, overheat, overcurrent, and open circuit protection.

90TB COLOSSAL CAPACITY

Single Disk Up to 18TB
Meet the Needs of Large Capacity Storage



2.5" HDD



3.5" HDD



2.5" SSD



Figure 2.1: The Yottamaster FS5U3 supports a colossal 90TB capacity, accommodating 2.5" HDDs, 3.5" HDDs, and 2.5" SSDs.

BUILT-IN 80mm SILENT FAN

Front and Rear with Meteor Cooling Holes
Provide Great Heat-dissipation Performance



Low Noise



High speed



Low power
consumption



Figure 2.2: The enclosure features a built-in 80mm silent fan and strategically placed cooling holes for optimal heat dissipation.

5GBPS HIGH SPEED TRANSMISSION

UASP Protocol/10min Intelligent Sleep



Figure 2.3: High-speed data transmission and intelligent sleep function for power efficiency.

150W LARGE POWER SUPPLY INSIDE

Meet Multi-Bay Electricity demands Ensure Stable Data Transfer



Short circuit
protection



Overvoltage
protection



Overheat
protection



Overcurrent
protection



Open circuit
protection



Figure 2.4: Internal 150W power supply with multiple safety protections for stable operation.

3. SETUP GUIDE

3.1 Package Contents

Before you begin, please ensure all components are present:

- Yottamaster FS5U3 5-Bay Enclosure
- Power Cable

- USB-C to USB-A Cable (or similar, depending on model variant)
- Screws for 2.5" and 3.5" drives
- Screwdriver (optional, may be included)
- User Manual (this document)

3.2 Drive Installation

1. Gently pull out an empty drive tray from the front of the enclosure.
2. Place your 2.5-inch or 3.5-inch SATA HDD/SSD onto the tray. Align the screw holes on the drive with those on the tray.
3. Secure the drive to the tray using the provided screws and screwdriver. Ensure the drive is firmly attached to prevent movement.
4. Carefully slide the loaded tray back into the corresponding bay in the enclosure until it clicks into place.
5. Repeat for any additional drives you wish to install.



Figure 3.1: Front view of the enclosure, showing the five accessible drive bays for easy installation.

3.3 Connecting the Enclosure

1. Connect the power cable to the AC input port on the rear of the enclosure and then to a power outlet.
2. Connect the USB cable from the USB 3.0 port on the rear of the enclosure to an available USB 3.0 port on your

computer.

3. Flip the power switch on the rear of the enclosure to the 'ON' position. The power indicator light should illuminate.



Figure 3.2: Rear panel connections including AC power, power switch, and USB 3.0 interface.

4. OPERATING INSTRUCTIONS

4.1 Drive Recognition

Once connected and powered on, your operating system (Windows, macOS, or Linux) should automatically detect

the drives within the enclosure. Each installed hard drive will be mounted individually and appear as a separate disk in your system's file explorer or disk management utility.

For new drives, you may need to initialize and format them using your operating system's disk management tools before they can be used for storage.

4.2 Data Transfer

You can now transfer files to and from the installed drives as you would with any other external storage device. The USB 3.0 interface ensures high-speed data transfer for efficient workflow.

4.3 Automatic Sleep Function

The Yottamaster FS5U3 is designed with an automatic sleep function that activates after 10 minutes of data inactivity. This feature helps conserve power and prolong the lifespan of your hard drives. The drives will automatically wake up when data access is requested.

If you wish to disable this automatic sleep function, please refer to the official Yottamaster website for specific hardware settings or firmware updates that may allow this modification.

5. MAINTENANCE

5.1 Cleaning

To ensure optimal performance and longevity, keep the enclosure clean. Use a soft, dry cloth to wipe the exterior. For dust accumulation in the fan area or cooling vents, use compressed air to gently clear the debris. Ensure the device is powered off and unplugged before cleaning.

5.2 Drive Replacement

Drives can be hot-swapped, meaning they can be removed and inserted while the enclosure is powered on, provided your operating system supports it and the drive is not currently in use. Always safely eject or unmount the drive from your operating system before physically removing it to prevent data corruption.

6. TROUBLESHOOTING

If you encounter issues with your Yottamaster FS5U3 enclosure, please refer to the following common problems and solutions:

- **Drives Not Recognized:**
 - Ensure the power cable is securely connected and the enclosure is powered on.
 - Verify the USB cable is properly connected to both the enclosure and your computer's USB 3.0 port.
 - Check if the drives are correctly seated and screwed into their respective trays.
 - For new drives, ensure they are initialized and formatted in your operating system's Disk Management (Windows) or Disk Utility (macOS).
 - Try connecting the enclosure to a different USB port or another computer to rule out port or system issues.
- **SMART Data Not Reporting for All Drives:**
 - Some users have reported that only one drive's SMART data may be accessible through standard tools. A third-party utility like Hard Disk Sentinel has been noted to provide full SMART monitoring for all drives in this enclosure.
- **Noisy Fan:**
 - While designed to be silent, fan noise can vary. Ensure the fan vents are not obstructed.

- If the noise is excessive or unusual, contact customer support.
- **Drives Constantly Powering Off:**
 - This might be related to the automatic sleep function. If it's occurring too frequently or unexpectedly, ensure there's no background activity accessing the drives.
 - Consider checking the official Yottamaster website for information on disabling the auto-sleep function if it interferes with your usage.

7. SPECIFICATIONS

Feature	Specification
Model Number	Yottamaster-FS5U3-UK-GY
Brand	Yottamaster
Hardware Interface	USB 3.0
Data Transfer Rate	6 Gigabits Per Second
Maximum Supported Devices	5
Memory Storage Capacity (Per Drive)	18 TB
Color	Grey
Manufacturer	Yottamaster
Spare Parts Availability	Information not available
Guaranteed Software Updates Until	Information not available

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official Yottamaster website or contact their customer service directly. If you purchased the product through a retailer, you may also contact the retailer's support channels for assistance.

When contacting support, please have your product model number (FS5U3) and purchase details ready.