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› Yottamaster 512GB Magnetic External SSD User Manual

Yottamaster YK20MINI

Yottamaster 512GB Magnetic External SSD User Manual

Model: YK20MINI

1. PRODUCT OVERVIEW

The Yottamaster YK20MINI is a 512GB magnetic external solid-state drive designed for high-speed data transfer and storage. It features a portable design with magnetic attachment capabilities, making it suitable for use with various devices, including smartphones, tablets, and laptops. This SSD supports 4K ProRes video recording, offering a reliable solution for content creators and users requiring fast, external storage.



Image: The Yottamaster YK20MINI Magnetic External SSD shown attached to the back of an iPhone, illustrating its compact size and magnetic design.

2. PACKAGE CONTENTS

- Yottamaster YK20MINI 512GB Magnetic External SSD
- USB Type-C Data Cable
- Magnetic Ring (for non-MagSafe compatible devices/cases)
- User Manual (this document)

3. SETUP AND INSTALLATION

3.1 Device Compatibility

The Yottamaster YK20MINI SSD is designed for broad compatibility and offers plug-and-play functionality with various operating systems and devices:

- **Operating Systems:** Windows, macOS, Linux, Android
- **Compatible Devices:** Smartphones (iPhone 15 Pro/Max, iPhone 16 Pro/Max, Android phones), MacBooks, Xbox, PS5, Steam Deck, tablets, laptops, and other devices with a Type-C interface.
- **Important Note:** This external solid-state drive is **not compatible with iPhone 14 and earlier models**

3.2 Connecting the SSD

1. Locate the USB Type-C port on your device (e.g., smartphone, tablet, laptop).
2. Connect one end of the provided USB Type-C data cable to the Yottamaster SSD.
3. Connect the other end of the USB Type-C data cable to your device's Type-C port.
4. The SSD should be automatically recognized by your operating system. If prompted, follow any on-screen instructions for initial setup or formatting.

3.3 Magnetic Attachment

The YK20MINI SSD features a magnetic design for convenient attachment to compatible devices.

- **For MagSafe-compatible iPhones/Cases:** The SSD can be directly attached to the back of iPhones (iPhone 15/16 Pro/Max) or phone cases with built-in MagSafe support.
- **For Devices/Cases without Built-in Magnets:** Use the included magnetic ring. Peel off the adhesive backing from the magnetic ring and firmly attach it to the desired location on your device or phone case. Ensure the surface is clean and dry before attachment. Once the magnetic ring is secured, the SSD can be magnetically attached to it.

Note: When using the PSSD with a phone case, it is recommended to use the included magnetic ring to ensure a secure attachment and prevent detachment due to insufficient magnetic force.

Magnetic External Solid State Drive

Better attachment with magnetic ring, less likely to fall off



✓ Normal phone cases



✓ Phone without built-in magnet

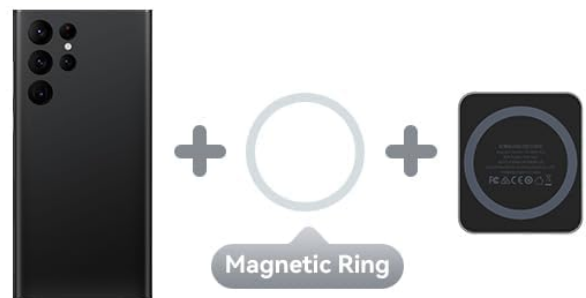


Image: Illustration demonstrating the magnetic attachment of the SSD, including the use of the magnetic ring for devices or cases without integrated magnets.



Plug and Play

Supports various Type-c interface devices

Image: The Yottamaster SSD shown connected to multiple devices, including a laptop, smartphone, and tablet, highlighting its plug-and-play compatibility.

4. OPERATING INSTRUCTIONS

4.1 Data Transfer

The Yottamaster YK20MINI SSD supports high-speed data transfer, significantly reducing the time required to move large files.

- **Maximum Transfer Speed:** Up to 20Gbps (2000MB/s). This allows for the transfer of a 2GB file in approximately 1 second.
- **Achieving 20Gbps:** To reach the maximum 20Gbps transfer speed, your host device must have a USB 3.2 Gen2x2 interface, and you must use a compatible 20 Gbps data cable. Other interfaces will operate at lower speeds.
- **Apple Thunderbolt Compatibility:** Due to compatibility considerations with the Thunderbolt interface on Apple devices, the maximum transfer speed when using this external SSD is limited to 10 Gbps.

20Gbps High Speed Transmission



Interface	Transmission Rate	Actual Rate
USB2.0	480Mbps	Max 480Mbps
USB3.0/USB3.2Gen1	5Gbps	Max 5Gbps
USB3.2 Gen2	10Gbps	Max 10Gbps
USB3.2 Gen2x2	20Gbps	Max 20Gbps
USB4	40Gbps	Max 10Gbps
TBT3	40Gbps	Max 10Gbps
TBT4	40Gbps	Max 10Gbps

Image: A visual representation of various USB interface transmission rates, highlighting the 20Gbps high-speed capability of the Yottamaster SSD.

4.2 4K ProRes Video Recording

This magnetic external SSD is capable of supporting 4K ProRes video recording directly from compatible devices.

- **Supported Devices:** iPhone 15 Pro/Max and iPhone 16 Pro/Max.
- **Functionality:** Enables real-time recording and storage of 4K ProRes video directly to the SSD, eliminating the

need for secondary transfers and allowing for immediate capture of high-quality footage.

Recording & Storing ProRes Video

iPhone 16 Pro/Max can record ProRes video at up to 4K/120Hz



Image: A person using an iPhone with the Yottamaster SSD attached, demonstrating its use for recording and storing ProRes video.

4.3 Storage Expansion and Use Cases

The 512GB capacity of the YK20MINI provides ample space for various storage needs.

- **Capacity:** 512GB (other capacities like 1TB/2TB may be available for different models).

- **Typical Uses:** Everyday file storage, accommodating large amounts of 4K video, high-resolution images, storage upgrade for PCs, data backup, daily office tasks, and video editing.

512GB Capacity Expansion

Record ProRes Video, Preserve Your Happy Memories



Image: A collage illustrating the 512GB capacity expansion, showing various scenarios where the SSD can be used to store memories and important data.



Image: A graphic depicting four primary use cases for the Yottamaster SSD: storage upgrade for PC, general data storage, daily office tasks, and video editing & content creation.

4.4 Portability

The YK20MINI is designed to be lightweight and portable, integrating seamlessly with mobile devices.

- **Design:** Compact form factor that fits perfectly with the iPhone 16 series without obstructing the camera.
- **Benefit:** Enhances mobile photography and videography by providing immediate, high-capacity storage on the go.

Lightweight and Portable

PSSD fits the iPhone16 series perfectly, without blocking the camera



Image: The Yottamaster SSD positioned next to an iPhone, illustrating its lightweight and portable nature and how it complements mobile devices.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Yottamaster YK20MINI SSD, follow these general maintenance guidelines:

- **Safe Ejection:** Always safely eject the SSD from your operating system before physically disconnecting it. This prevents data corruption.
- **Physical Care:** Avoid dropping the SSD or subjecting it to strong impacts. While SSDs are more durable than traditional HDDs, extreme physical shock can still cause damage.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the SSD. Do not use liquid cleaners or solvents.
- **Temperature:** Operate and store the SSD within recommended temperature ranges (typically 0°C to 70°C for operation, -40°C to 85°C for storage). Avoid extreme heat or cold.
- **Firmware Updates:** Periodically check the Yottamaster official website for any available firmware updates for your SSD model. Firmware updates can improve performance and stability.

6. TROUBLESHOOTING

If you encounter issues with your Yottamaster YK20MINI SSD, consider the following troubleshooting steps:

- **SSD Not Recognized:**
 - Ensure the USB Type-C cable is securely connected to both the SSD and your device.
 - Try connecting the SSD to a different USB Type-C port on your device.
 - Test with a different USB Type-C cable to rule out cable issues.
 - Restart your computer or device.
 - Check your device's Disk Management (Windows) or Disk Utility (macOS) to see if the drive is detected but unformatted or uninitialized.
- **Slow Transfer Speeds:**
 - Verify that your device's USB port supports USB 3.2 Gen2x2 (20Gbps) for maximum speed. Older USB ports will result in lower speeds.
 - Ensure you are using the provided 20Gbps compatible USB Type-C data cable.
 - Close any background applications that might be consuming system resources or bandwidth.
 - For Apple devices with Thunderbolt, remember that speeds are limited to 10Gbps.
- **Magnetic Attachment Issues:**
 - If the SSD is not holding securely, ensure the magnetic ring is properly attached to your device or case, or that your case has strong MagSafe compatibility.
 - Clean the magnetic surfaces on both the SSD and your device/ring to ensure no debris is interfering with the magnetic connection.
- **Data Corruption:**
 - Always perform a safe ejection before disconnecting the SSD.
 - If data corruption occurs frequently, consider backing up your data and reformatting the drive.

If these steps do not resolve your issue, please contact Yottamaster customer support for further assistance.

7. SPECIFICATIONS

Feature	Description
Model	YK20MINI
Digital Storage Capacity	512 GB
Hard Disk Interface	Solid State
Connectivity Technology	USB
Brand	Yottamaster
Special Features	Hot Swappable, Magnetic, Portable
Hard Disk Description	Solid State Drive
Compatible Devices	Desktop, Laptop, Smartphone, iPhone 15 Pro Max, iPhone 16 Pro Max
Installation Type	External Hard Drive
Specific Uses For Product	Business, Data Storage, Video Recording
Max Transfer Speed	Up to 20Gbps (USB 3.2 Gen2x2)

8. WARRANTY AND SUPPORT

Information regarding product warranty and customer support was not available in the provided data. For details on warranty coverage, technical support, or to register your product, please visit the official Yottamaster website or contact their customer service directly.

Yottamaster Official Website: [Visit Yottamaster Store on Amazon](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question