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ORICO M20-1TB

ORICO 1TB External SSD M20 User Manual

Model: M20-1TB

INTRODUCTION

The ORICO 1TB External SSD M20 is a portable solid-state drive designed for high-speed data transfer and reliable storage. With its compact size and robust construction, it offers an ideal solution for expanding storage on various devices, including smartphones, tablets, laptops, and PCs. This manual provides essential information on setting up, operating, maintaining, and troubleshooting your ORICO M20 External SSD to ensure optimal performance and longevity.



Image: The ORICO M20 External SSD, demonstrating its small and portable design.

WHAT'S IN THE BOX

- ORICO M20 External SSD
- 2-in-1 USB-C Cable (USB-C to USB-C/USB-A)

SETUP GUIDE

Follow these steps to connect and prepare your ORICO M20 External SSD for use:

1. **Connect the SSD:** Use the included 2-in-1 USB-C cable. Connect the USB-C end to the SSD and the other end (USB-C or USB-A, depending on your device's port) to your computer, smartphone, or tablet.

2. **Device Recognition:** Your device should automatically detect the ORICO M20 External SSD. For Windows, it will appear under 'This PC' or 'My Computer'. For macOS, it will appear on the desktop or in Finder.
3. **Formatting (Optional/If Needed):** If the SSD is not recognized or you wish to change its file system (e.g., from exFAT to NTFS for Windows, or APFS for macOS), you may need to format it.
 - **Windows:** Right-click on 'This PC' > 'Manage' > 'Disk Management'. Locate the SSD, right-click, and select 'Format'. Choose your desired file system (e.g., NTFS, exFAT).
 - **macOS:** Open 'Disk Utility' (Applications > Utilities). Select the SSD from the sidebar, click 'Erase', and choose your desired format (e.g., APFS, Mac OS Extended (Journaled), exFAT).

Caution: Formatting the drive will erase all data on it. Ensure you back up any important files before proceeding.



10GB = 5 segundos

ORICO PSSD con USB3.2 GEN2*2, velocidad de transmisión de hasta 2000MB/s

Speed

Interface

Interface	Speed
USB 3.0 USB 3.1 Gen1 USB 3.2 Gen1	5Gbps
USB 3.1 Gen2 USB 3.2 Gen2	10Gbps
USB 3.2 Gen2x2	20Gbps

2000MB/s

* Nota: Para maximizar la velocidad, debe disponer de una interfaz USB3.2 y soportar un cable de datos de 20Gbps

Image: The ORICO M20 External SSD connected to a laptop, illustrating a typical setup.

OPERATING INSTRUCTIONS

The ORICO M20 SSD is designed for plug-and-play operation across various devices and systems.

Data Transfer

To transfer files, simply drag and drop them to and from the SSD's drive icon. The USB 3.2 Gen 2x2 interface allows for speeds up to 2000MB/s, enabling rapid transfer of large files such as 4K videos, high-resolution photos, and extensive project data.



Image: Visual representation of the 20Gbps data transfer capability of the ORICO PSSD.

Multi-Device and Multi-System Compatibility

The ORICO M20 SSD is compatible with a wide range of operating systems and devices, including:

- Android smartphones and tablets
- Windows PCs and laptops
- macOS computers (MacBook, iMac, etc.)
- iOS devices (iPad Pro with USB-C)

Expand Your Digital World

Expanding capacity for your devices, ready to read,
ready to store

Vlog Shot



Instant Creation



Image: The ORICO M20 SSD demonstrating its compatibility with various operating systems and device types.

Typical Use Cases

- **Professional Presentations:** Easily carry and display large presentation files without lag.
- **Creative Workflows:** Store and edit high-resolution video footage, photos, and graphic design projects directly from the SSD.
- **Mobile Data Expansion:** Expand storage for your USB-C enabled smartphone or tablet, ideal for vloggers and content creators on the go.



Image: A user engaged in video editing, utilizing the ORICO SSD for efficient workflow.



Image: A camera setup connected to the ORICO SSD, suitable for capturing and storing high-quality video footage.

MAXIMIZING PERFORMANCE

To achieve the maximum transfer rate of 2000MB/s with your ORICO M20 SSD, consider the following factors:

- **Matching Cable:** Ensure you use a cable that supports 20Gbps transfer speeds. The included 2-in-1 USB-C cable is designed for this purpose.
- **Compatible Interface:** Your device's USB port must be at least USB 3.2 Gen 2x2 (20Gbps). While the SSD is backward-compatible with older USB versions, the transfer speed will be limited by the slowest component in the chain.
- **Receiving Device Speed:** The hard drive or SSD in your computer or receiving device should also have read and write speeds capable of handling over 2000MB/s to fully utilize the ORICO M20's potential.

How to Maximize the Transfer Rate



✓ If you want to maximize the PSSD transfer rate, you need to use a cable that matches the PSSD, that is, if the PSSD is 20Gbps, then the cable needs to be 20Gbps as well.

Image: Illustration emphasizing the need for a 20Gbps cable to achieve maximum transfer rates.

CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your ORICO M20 External SSD, follow these care guidelines:

- **Physical Protection:** The SSD features dust and drop resistance. While durable, avoid excessive force, extreme temperatures, or prolonged exposure to moisture.
- **Cleaning:** Use a soft, dry cloth to clean the exterior. Do not use liquid cleaners or solvents.
- **Safe Ejection:** Always safely eject the SSD from your device before disconnecting it to prevent data corruption.
- **Storage:** When not in use, store the SSD in a cool, dry place away from direct sunlight and strong magnetic fields.

Amplia compatibilidad

Plug and play para casi todos los dispositivos y sistemas



Image: The ORICO M20 SSD highlighting its dust and drop resistance features.

TRUBLESHOOTING

If you encounter issues with your ORICO M20 External SSD, refer to the following common problems and solutions:

- **SSD Not Detected:**
 - Ensure the cable is securely connected to both the SSD and your device.
 - Try a different USB port on your device.
 - Test the SSD with another compatible device to rule out a device-specific issue.

- Check 'Disk Management' (Windows) or 'Disk Utility' (macOS) to see if the drive is visible but unformatted or has a partition issue.

- **Slow Transfer Speeds:**

- Verify that your device's USB port supports USB 3.2 Gen 2x2 (20Gbps). Older USB ports will limit speed.
- Ensure you are using the original ORICO 2-in-1 USB-C cable or another high-quality 20Gbps cable.
- Check the read/write speeds of the internal drive on your computer; a slow internal drive can bottleneck transfer speeds.
- Close other applications that might be using system resources or performing background transfers.

- **Frequent Disconnections:**

- Ensure the cable connection is firm and not loose.
- Avoid moving the SSD or the connected device during data transfer.
- Check for updated USB drivers for your computer's chipset.

- **Drive Gets Warm During Use:**

- It is normal for the SSD to become warm during extended high-speed data transfers. This is due to the heat generated by the internal components. Ensure adequate airflow around the device.

PRODUCT SPECIFICATIONS

Feature	Specification
Brand	ORICO
Model	M20-1TB
Digital Storage Capacity	1 TB
Hard Disk Interface	USB 3.0 (Note: Actual interface is USB 3.2 Gen 2x2 for 20Gbps)
Connectivity Technology	USB
Special Feature	Portable
Hard Disk Form Factor	2.5 Inches
Hard Disk Description	Solid State Drive
Compatible Devices	Laptop, Desktop, Smartphones, Tablets
Installation Type	External Hard Drive
Color	Black + Silver
Item Weight	2.12 ounces
Product Dimensions (LxWxH)	3.15 x 1.77 x 0.43 inches

Feature	Specification
Manufacturer	SHENZHEN ORICO TECHNOLOGIES CO.,LTD

WARRANTY AND SUPPORT

ORICO products typically come with a standard manufacturer's warranty covering defects in materials and workmanship. The specific warranty period may vary by region and product. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or further assistance, please visit the official ORICO website or contact their customer service. You can find more information and contact details on the [ORICO Brand Store on Amazon](#).

Data recovery plans are also available for purchase separately to protect against data loss. Refer to the product listing for details on these optional plans.