

iDiskk 40GPS-1TB-SSD

iDiskk 40Gbps 1TB M.2 NVMe SSD External Hard Drive User Manual

Model: 40GPS-1TB-SSD

1. INTRODUCTION

This manual provides essential instructions for the proper use, setup, and maintenance of your iDiskk 40Gbps 1TB M.2 NVMe SSD External Hard Drive. Please read this manual thoroughly before using the device to ensure optimal performance and longevity.

2. SAFETY INFORMATION

Observe the following safety guidelines to prevent damage to the device or injury:

- Do not expose the device to extreme temperatures, direct sunlight, or high humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or modify the device. This will void the warranty.
- Keep the device away from liquids and corrosive materials.
- Ensure proper ventilation to prevent overheating, especially during extended use.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- iDiskk 40Gbps 1TB M.2 NVMe SSD External Hard Drive
- USB-C to USB-C Cable (40Gbps)
- USB-C to USB-A Cable (10Gbps)
- User Manual (this document)

4. PRODUCT OVERVIEW

The iDiskk 40Gbps M.2 NVMe SSD External Hard Drive is designed for high-speed data transfer and reliable

storage. It features a robust aluminum alloy casing with an integrated cooling fan for efficient heat dissipation.

Key Features:

- **High-Speed Data Transfer:** Achieves speeds up to 3000MB/s read and 2500MB/s write with Thunderbolt 3 (40Gbps) connections.
- **Efficient Heat Dissipation:** Features an aluminum alloy shell, waved hollowing outer case, thermal pad, and a built-in cooling fan to maintain performance and prevent overheating.
- **Plug & Play Compatibility:** No drivers or external power supply required. Compatible with Windows, Mac OS, and Linux systems.
- **Wide Connectivity:** Supports both Thunderbolt 3 (40Gbps) and USB-C (10Gbps) connections.
- **Compact and Portable Design:** Small form factor for easy transport.

Product Views:



Figure 1: iDisk 40Gbps 1TB M.2 NVMe SSD External Hard Drive with included USB-C to USB-C and USB-C to USB-A cables.

CONNECT TO VERSATILITY

Work on Windows & OS system



Thunderbolt 3 (40Gbps)
USB-C (10Gbps)



Advanced Chip



4X
Heat Dissipation



Plug and Play



Figure 2: Internal components illustrating the cooling vest, silica gel heat sink pad, built-in cooling fan, and aluminum shell for enhanced heat dissipation.

BEST EXTERNAL DRIVE FOR PORTABLE USING

Support systems for Windows/Mac OS



Mac OS



Figure 3: The compact size of the iDiskk SSD, demonstrating its portability and compatibility with Windows and Mac OS systems.

5. SETUP

The iDiskk SSD is designed for simple plug-and-play operation.

1. **Connect the Cable:** Select the appropriate USB cable (USB-C to USB-C for 40Gbps or USB-C to USB-A for 10Gbps) and connect one end to the iDiskk SSD.
2. **Connect to Device:** Connect the other end of the cable to a compatible port on your computer, tablet, or game console.

3. **Device Recognition:** Your operating system (Windows, Mac OS, or Linux) should automatically detect the external drive. No additional drivers or software installation is typically required.
4. **Initialization (First Use):** If the drive is not immediately visible, it may need to be initialized and formatted. Refer to your operating system's disk management tools for instructions on how to do this. For Windows, search for "Disk Management"; for Mac, search for "Disk Utility."

6. OPERATING INSTRUCTIONS

Once connected and recognized by your system, the iDiskk SSD functions like any other external storage device.

1. **Accessing the Drive:** The drive will appear as a removable storage device in your computer's file explorer (Windows) or Finder (Mac OS).
2. **Transferring Files:** You can drag and drop files or use copy/paste functions to move data to and from the iDiskk SSD.
3. **High-Speed Performance:** For optimal performance, ensure you are connected to a Thunderbolt 3 (40Gbps) or USB4 port using the appropriate cable. Data transfer speeds can reach up to 3000MB/s read and 2500MB/s write under ideal conditions.
4. **Safe Ejection:** Always safely eject the drive from your operating system before physically disconnecting it to prevent data corruption. For Windows, right-click the drive icon in the taskbar and select "Eject." For Mac OS, drag the drive icon to the Trash or click the Eject button next to the drive in Finder.

7. MAINTENANCE

Proper maintenance ensures the longevity and performance of your iDiskk SSD.

- **Keep Clean:** Use a soft, dry cloth to clean the exterior of the drive. Avoid using harsh chemicals or abrasive materials.
- **Ventilation:** Ensure the cooling vents on the device are not obstructed to allow the built-in fan to operate effectively and dissipate heat.
- **Firmware Updates:** Periodically check the iDiskk official website for any available firmware updates for your model.
- **Data Backup:** While SSDs are reliable, it is always recommended to back up important data to multiple locations.

8. TROUBLESHOOTING

If you encounter issues with your iDiskk SSD, refer to the following common solutions:

- **Drive Not Detected:**
 - Ensure the cable is securely connected to both the SSD and your computer.
 - Try connecting the drive to a different USB or Thunderbolt port on your computer.
 - Test with the other included cable (USB-C to USB-A) if available.
 - Restart your computer.
 - Check your operating system's disk management utility (Disk Management for Windows, Disk Utility for Mac) to see if the drive is recognized but uninitialized or unformatted.
- **Slow Transfer Speeds:**

- Ensure you are using the USB-C to USB-C cable and connecting to a Thunderbolt 3 (40Gbps) or USB4 port for maximum speed. USB-C (10Gbps) and USB-A ports will yield lower speeds.
- Close other applications that might be using system resources or performing background transfers.
- Verify that your computer's drivers for USB/Thunderbolt ports are up to date.

- **Fan Noise or Rattling:**

- The built-in fan operates to cool the SSD during use. Some noise is normal, especially during intensive data transfers.
- If the fan noise is excessive, rattling, or high-pitched, ensure the device is on a stable, flat surface and that the vents are clear.
- If the issue persists and affects functionality, contact customer support.

- **Inconsistent USB-C Connection / Disconnects:**

- Ensure the USB-C cable is fully inserted and not loose.
- Try a different USB-C port on your computer.
- Test with a different high-quality USB-C to USB-C cable if available, ensuring it supports 40Gbps if aiming for Thunderbolt 3 speeds.
- Check for any power saving settings on your computer that might be turning off USB ports.

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

9. SPECIFICATIONS

Feature	Specification
Brand	iDiskk
Model Number	40GPS-1TB-SSD
Hard Drive Type	Solid State Drive (SSD)
Digital Storage Capacity	1 TB
Hard Disk Interface	NVMe
Connectivity Technology	Thunderbolt 3 (40Gbps), USB-C (10Gbps), USB4/3.2/3.1/3.0/2.0 compatible
Read Speed (Max)	Up to 3000 MB/s (Thunderbolt 3)
Write Speed (Max)	Up to 2500 MB/s (Thunderbolt 3)
Material	Aluminum Alloy
Cooling System	Built-in Cooling Fan, Thermal Pad, Waved Hollowing Outer Case
Compatible Devices	Computers (Windows, Mac OS, Linux), Tablets, Game Consoles
Item Weight	6.3 ounces (approx. 178.6g)

Feature	Specification
Product Dimensions (LxWxH)	5.5 x 1.19 x 0.79 inches (approx. 13.97 x 3.02 x 2.01 cm)
Color	Silver

10. WARRANTY AND SUPPORT

iDiskk is committed to providing high-quality products and customer satisfaction. Your iDiskk SSD comes with quality assurance and after-service support.

For warranty claims, technical assistance, or any product-related inquiries, please contact iDiskk customer support through the official iDiskk website or your point of purchase. Please have your product model number (40GPS-1TB-SSD) and purchase information ready when contacting support.