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SSK SD450

SSK SD450 Portable External SSD 1TB User Manual

Model: SD450

1. INTRODUCTION

Thank you for choosing the SSK SD450 Portable External SSD. This device is designed to provide high-speed, reliable, and portable storage for your data. With its compact design and robust features, it is an ideal solution for expanding storage on various devices.

This manual provides essential information on how to set up, operate, and maintain your SSK Portable External SSD. Please read it carefully before using the product to ensure optimal performance and longevity.

2. PRODUCT FEATURES

- 1TB External SSD:** The SSK portable SSD features an integrated 1TB 3D NAND Flash SSD with USB 3.2 Gen2. Its compact size (4.27" x 1.28" x 0.4") and light weight (0.33 lb) make it easily portable.
- Super Fast Data Transfer:** This external SSD offers read/write speeds up to 550 MB/s, enabling quick transfer of high-resolution photos and videos. Actual speeds may vary based on drive capacity, host device, operating system, and application.
- Reliable Performance:** Constructed with a solid aluminum shell, it is shock-resistant and vibration-resistant. The external SSD includes an efficient heat sink to maintain cool operation with low power consumption, ensuring reliable data transfers.
- Blue Indicator Light:** A blue indicator light shows data transfer status, blinking during transmission for clear visual feedback.
- High Performance and Wide Compatibility:** Adopts a high-performance controller IC, compliant with UASP and TRIM, which enhances speed and extends SSD lifespan. Compatible with Android, Mac OS 10.11 or higher, and Windows 7 or higher.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing:

- SSK SD450 Portable External SSD 1TB
- USB-C to USB-C Cable

- USB-C to USB-A Adapter
- User Manual (this document)

Universal Compatibility

Cross-Device Transfer & Backup between MacBook, Windows, Tablets and Smartphones

<Laptop>

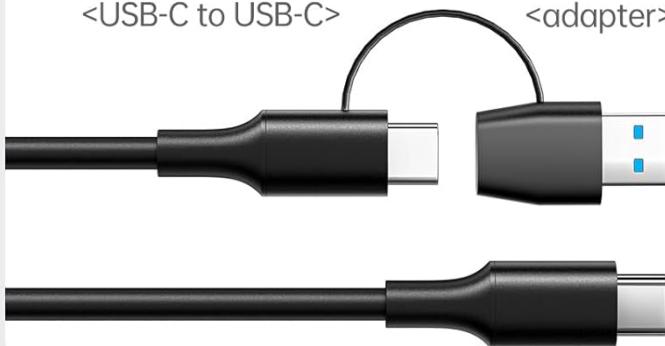


SSK

1TB

USB-C 3.2/ 3.1/ 3.0/ 2.0

<USB-C to USB-C>

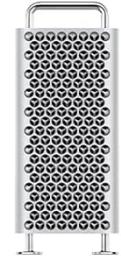


<adapter>

<Phone>



<TV Box>



<PC>



<Tablet>



Image: SSK Portable External SSD with included USB-C to USB-C cable and USB-A adapter, demonstrating universal compatibility with various devices.

4. SETUP

4.1 Connecting the SSD

1. Identify the appropriate port on your device (USB-C or USB-A).
2. If your device has a USB-C port, connect one end of the provided USB-C to USB-C cable to the SSD and the other end to your device.
3. If your device has a USB-A port, attach the USB-C to USB-A adapter to one end of the USB-C to USB-C cable, then connect this assembly to the SSD and your device.
4. The blue indicator light on the SSD will illuminate, indicating it is powered on.

Mobile Personal Storage

5W Ultra-low power consumption for phone OTG & Pad



Image: SSK Portable External SSD connected to a smartphone via USB-C, illustrating mobile personal storage and OTG functionality.

4.2 Initializing and Formatting (if necessary)

For most operating systems (Windows 7+, Mac OS 10.11+, Android), the SSD should be recognized automatically. If the drive does not appear, you may need to initialize and format it.

- **Windows:** Open Disk Management (right-click 'This PC' > 'Manage' > 'Disk Management'). Locate the SSD, initialize it (GPT recommended for 1TB), and then create a new simple volume, formatting it with NTFS or exFAT.
- **Mac:** Open Disk Utility (Applications > Utilities > Disk Utility). Select the SSD, click 'Erase', choose a name, format (APFS or Mac OS Extended for Mac, exFAT for cross-platform), and scheme (GUID Partition Map).
- **Android:** Most Android devices will prompt you to format the drive upon connection. Follow the on-screen instructions.

Note: Formatting will erase all data on the drive. Back up any important data before proceeding.

5. OPERATING INSTRUCTIONS

5.1 Data Transfer

Once the SSD is recognized by your device, you can transfer files by dragging and dropping them to and from the SSD's drive letter/icon, or by using your operating system's copy/paste functions.



Image: SSK Portable External SSD connected to a laptop, demonstrating efficient data transmission with read/write speeds up to 550MB/s.

5.2 Safe Removal

Always safely eject or unmount the SSD before disconnecting it from your device to prevent data corruption.

- **Windows:** Click the 'Safely Remove Hardware and Eject Media' icon in the system tray, then select the SSD.
- **Mac:** Drag the SSD icon to the Trash, or right-click the SSD icon and select 'Eject'.
- **Android:** Go to Storage settings, find the SSD, and tap 'Eject' or 'Unmount'.

6. MAINTENANCE

- **Regular Backups:** While SSDs are reliable, regular backups of critical data are always recommended.

- **Firmware Updates:** Check the SSK official website periodically for any available firmware updates for your model.
- **Physical Care:** Keep the SSD clean and free from dust. Avoid exposing it to extreme temperatures, humidity, or strong magnetic fields.
- **TRIM Support:** The SSD supports TRIM, which helps maintain performance over time. Ensure your operating system has TRIM enabled for SSDs.
- **S.M.A.R.T. Monitoring:** The SSD supports S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) for drive health monitoring.

Safe Storage Master



Image: SSK Portable External SSD highlighting features like UASP for faster speeds, S.M.A.R.T. for safety reminders, TRIM for optimization, and 20-minute auto sleep for power saving.

7. TROUBLESHOOTING

- **SSD Not Detected:**
 - Ensure the cable is securely connected to both the SSD and your device.
 - Try a different USB port or cable.

- Check Disk Management (Windows) or Disk Utility (Mac) to see if the drive is visible but uninitialized/unformatted. Refer to Section 4.2.
- Restart your computer or device.

- **Slow Transfer Speeds:**

- Ensure your device's USB port supports USB 3.2 Gen 2 (10Gbps) or at least USB 3.0/3.1 Gen 1 (5Gbps) for optimal performance. Older USB 2.0 ports will limit speeds.
- Verify that your operating system has the latest drivers.
- Close other applications that might be using system resources or the drive.
- Ensure the SSD is not overheating. The aluminum casing is designed for efficient heat dissipation.

- **Blue Indicator Light Not On:**

- Check cable connections.
- Try a different USB port or device to rule out a power issue from the host.

8. SPECIFICATIONS

| Feature | Detail |
|--------------------------------|---|
| Brand | SSK |
| Model Number | SD450 |
| Series | Mini USB-C External SSD |
| Color | Space Gray |
| Digital Storage Capacity | 1TB (1000 GB) |
| Hard Drive Technology | SSD (Solid State Drive) |
| Hardware Interface | USB 3.2 Gen 2 |
| Max Read Speed | Up to 550 MB/s |
| Max Write Speed | Up to 500 MB/s |
| Connector Type | USB-C |
| Device Compatibility | Camera, Computer, Smartphone, Tablet, Television |
| Dimensions (L x W x H) | 6.3 x 1.1 x 3.3 cm (4.27" x 1.28" x 0.4") |
| Weight | 80 grams (0.33 lb) |
| Special Features | TRIM Support, LED Light, OTG Function, Portable, S.M.A.R.T. |
| Operating System Compatibility | Android, Mac OS 10.11+, Windows 7+ |

The Power Of Lightness

External Storage on the Go



Image: SSK Portable External SSD showing its compact dimensions of 2.5 inches by 1.3 inches by 0.4 inches, highlighting its lightness and portability.

9. WARRANTY AND SUPPORT

SSK products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official SSK website. Keep your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or further inquiries, please contact SSK customer service through the contact information provided on the official SSK website or your retailer's support channels.