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SSK SD500

SSK Portable SSD SD500 1TB External Solid State Drive User Manual

INTRODUCTION

This manual provides essential information for the proper use and maintenance of your SSK Portable SSD SD500 1TB External Solid State Drive. Please read these instructions carefully before using the device to ensure optimal performance and data integrity.





Image: The SSK Portable SSD SD500 1TB External Solid State Drive, showcasing its compact design.

WHAT'S IN THE BOX

- 1TB External SSD Drive
- USB-C to USB-C Cable (10Gbps)
- USB-A to USB-C Cable (10Gbps)

SETUP

The SSK Portable SSD is designed for plug-and-play functionality. No drivers are typically required for most operating systems.

Connecting the SSD

1. Select the appropriate cable for your device: the USB-C to USB-C cable for USB-C ports, or the USB-A to USB-C cable for standard USB-A ports.
2. Connect the USB-C end of the cable to the SSK Portable SSD.
3. Connect the other end of the cable (USB-C or USB-A) to your computer, smartphone, or tablet.
4. The device should be recognized automatically by your operating system. An LED indicator on the SSD will show activity.

Universal Compatibility

Type C Interface, Support Front and Back Plug
Includes USB C and USB A Two Cables for Most USB Devices



USB C to A Cable



USB C to C Cable



WINDOWS



ANDROID



LINUX



MAC OS



Mobile Phone



Laptop



Smart TV



PS4



Smart Speaker

Image: The SSK Portable SSD connected to a laptop, demonstrating its universal compatibility with various devices and operating systems.

OPERATING INSTRUCTIONS

General Usage

The SSK Portable SSD offers high-speed data transfer up to 1050MB/s read and 1000MB/s write, utilizing USB 3.2 Gen2 technology. It is compatible with a wide range of devices including Windows PCs, Mac systems, Android phones and tablets, and iPhone 15/Pro models or newer with a USB-C port.

Using with iPhone (iPhone 15/Pro or newer)

1. Open the "Files" app on your iPhone.
2. Connect the SSK Portable SSD to your iPhone using the USB-C cable.
3. A new drive folder will appear in the "Files" app, allowing you to access and manage files.
4. Note: Due to iOS limitations, certain file types may not open directly on iPhones or iPads without compatible software. The SSD functions as a storage device.

Using with Android Devices

1. Ensure your Android device supports and has OTG (On-The-Go) functionality enabled. Refer to your phone's manual for specific guidance on enabling OTG.
2. Connect the SSK Portable SSD to your Android device using the appropriate USB-C cable.

3. Access the drive through your device's file manager.

Data Transfer Best Practices

- Always perform a safe "eject" operation before unplugging the drive to prevent data corruption.
- Avoid unplugging the drive during data transfers or during sudden power loss.
- For optimal transfer speeds, connect the drive to a compatible USB 3.2 Gen2 (10Gbps) port. Connecting to a USB 2.0 port will limit speeds to 40-50 MB/s.

Your browser does not support the video tag.

Video: An overview of the SSK 1050MB/s External Solid State Drives, highlighting its features and compatibility.

MAINTENANCE

Data Backup

Regularly back up any important data stored on the SSD to another reliable storage medium to prevent data loss.

Formatting

The SSD usually ships in exFAT format for universal compatibility. Some batches may use NTFS. If reformatting is necessary, ensure all data is backed up as reformatting will erase all contents. exFAT is recommended for broad compatibility across iPhone, Android, Windows, and Mac systems.

Physical Care

The 2mm thick aluminum alloy case provides superior heat dissipation and a premium feel. While durable, avoid excessive physical shock or exposure to extreme temperatures.

Aluminum Alloy Shell Solid & Shockproof

Special Heat Dissipation Design



1m Shockproof



Heat Dissipation Design



Image: Close-up of the SSK Portable SSD, highlighting its aluminum alloy shell and compact form factor.

TROUBLESHOOTING

SSD Not Recognized

- Ensure the cable is securely connected to both the SSD and your device.
- Try a different USB port on your device.
- Test with a different cable if available.
- For Android devices, verify that OTG functionality is enabled in your device settings.

Slow Transfer Speeds

- Ensure you are connected to a USB 3.2 Gen2 (10Gbps) compatible port. Older USB 2.0 ports will significantly reduce speeds.
- Actual file transfer speeds can vary based on the host device's USB specification, the size and number of files, and the drive's current state.
- The SSD maintains steady 10Gbps speeds for transfers smaller than 250GB due to SLC caching.

Capacity Discrepancy

The displayed capacity of a 1TB SSD may appear as approximately 931GB on Windows. This is due to

algorithmic differences where 1GB is interpreted as 1024MB on Windows versus 1000MB on SSDs. macOS typically shows the full 1TB.

SPECIFICATIONS

Brand	SSK
Model Number	SD500
Digital Storage Capacity	1 TB
Hard Drive Interface	PCIE x 4
Connectivity Technology	USB 3.2 GEN2, USB-C/USB-A
Read Speed	Up to 1050 MB/s
Write Speed	Up to 1000 MB/s
Item Weight	1.06 ounces
Product Dimensions	2.68 x 1.46 x 0.47 inches
Color	Grey
Special Features	LED Light, Portable, S.M.A.R.T. Monitoring, TRIM Support

Mini Portable Design

Beautiful shape and Easy to Carry



Image: The SSK Portable SSD held in a hand, illustrating its compact and portable dimensions.

WARRANTY AND SUPPORT

SSK Direct stands behind every product purchased from their store. For any assistance with our products, please contact SSK Direct customer support.

Optional data recovery plans are available for purchase separately to provide additional protection for your data.

Related Documents - SD500



Portable solid state flash drive
User Manual
SD301



Before using the product, please read this user manual carefully.

[SSK SD301 Portable Solid State Flash Drive User Manual](#)

Discover the SSK SD301 Portable Solid State Flash Drive, a high-speed external SSD featuring dual USB-A and USB-C interfaces for broad compatibility across computers, tablets, and smartphones. This user manual provides essential information on its features, connection, usage, and storage capacity, ensuring optimal performance and data security.

 <p>Portable solid state flash drive User Manual SD300</p>  <p><small>Before using the product, please read this user manual carefully.</small></p>	<p>SSK SD300 Portable Solid State Flash Drive User Manual</p> <p>User manual for the SSK SD300 Portable Solid State Flash Drive, detailing product features, connection instructions, compatibility, and troubleshooting.</p>
 <p>Portable solid state flash drive User Manual SD301</p>  <p><small>Before using the product, please read this user manual carefully.</small></p>	<p>SSK SD301 Portable Solid State Flash Drive User Manual</p> <p>User manual for the SSK SD301 portable solid state flash drive, detailing its package contents, product features, notes before use, storage capacity explanation, USB interface compatibility, connection and usage instructions, and quality assurance information.</p>
  <p>SSK-DK100 User Manual</p>	<p>SSK-DK100 Dual Bay HDD Docking Station User Manual</p> <p>User manual for the SSK-DK100 dual bay hard drive docking station, detailing its features, specifications, installation, mobile hard drive mode, and offline cloning capabilities.</p>
  <p>HDD Docking Station User Manual DK108</p>	<p>SSK DK108 Dual Bay HDD Docking Station User Manual</p> <p>User manual for the SSK DK108 Dual Bay HDD Docking Station. Learn about its features, how to use it in Mobile Hard Disk and HUB modes, and find solutions to common problems. Supports 2.5/3.5 inch SATA HDDs/SSDs with USB 3.0 connectivity.</p>
	<p>SSK SC302 Type-C Multifunctional Docking Station User Manual</p> <p>User manual for the SSK SC302 Type-C Multifunctional Docking Station. This guide provides detailed information on product description, connection diagrams, technical specifications, and frequently asked questions. The adapter supports 4K/60Hz resolution via HDMI and 100W Power Delivery (PD) fast charging, compatible with various systems including Windows, macOS, Android, and Linux.</p>