

SSK SD500

SSK External SSD SD500 User Manual

Model: SD500 | Brand: SSK



Image: Front view of the SSK External SSD SD500, a compact grey device with an orange loop.

1. INTRODUCTION

The SSK External SSD SD500 is a high-speed, portable solid-state drive designed for efficient data storage and transfer. Featuring USB 3.2 Gen2 connectivity, it offers rapid read and write speeds, making it ideal for various devices including Windows, Mac, Android phones, and tablets. Its compact and durable design ensures reliable performance on the go.

2. WHAT'S IN THE Box

- SSK External SSD SD500 (250GB)

- USB-C to USB-C Cable (10Gbps)
- USB-A to USB-C Cable (10Gbps)

Universal Compatibility

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



Image: The SSK SSD shown alongside its included USB-C to USB-A and USB-C to USB-C cables, highlighting universal compatibility.

3. SETUP GUIDE

1. **Connect the SSD:** Use the provided USB-C to USB-C cable or USB-A to USB-C cable to connect the SSK SD500 to your computer, smartphone, or tablet.
2. **Device Recognition:** The SSD is plug-and-play and should be automatically recognized by your operating system (Windows, Mac, Android, Linux).
3. **Initial Formatting (if needed):** For optimal performance or if the drive is not recognized, you may need to format the drive. Refer to your operating system's disk management tools for instructions. *Note: Formatting will erase all data on the drive.*



Image: The SSK SSD connected to a laptop via a USB cable, demonstrating a typical setup.



Image: The SSK SSD connected to a smartphone, illustrating its use with mobile devices.

4. OPERATING INSTRUCTIONS

- **Data Transfer:** Drag and drop files to and from the SSK SD500 as you would with any other external drive. The drive supports up to 1050MB/s read and 1000MB/s write speeds for rapid transfers. An LED light indicates active data transfer.
- **Consistent Performance:** The SSD utilizes SLC caching (25% of available capacity) to maintain steady 10Gbps speeds during large file transfers (up to 62GB) without slowdowns.
- **iPhone 4K ProRes Support:** This portable SSD is capable of empowering 4K60Hz ProRes HDR video capture for compatible iPhone models, with low power consumption (less than 2.4 Watts).
- **Health Monitoring:** S.M.A.R.T. monitoring helps you keep track of the solid-state drive's health. TRIM technology ensures consistent write speeds and extends the lifespan of the portable SSD.



Image: Graphic illustrating the high read and write speeds of the SSK SSD compared to traditional HDDs.



Image: Screenshot of CrystalDiskMark benchmark results showing high sequential read and write speeds for the SSD.

5. IMPORTANT DATA HANDLING NOTES

To protect your data and ensure the longevity of your SSK External SSD, please adhere to the following critical guidelines:

- **Back up Important Data:** Always back up any important data promptly to prevent loss.
- **Safe Eject:** Always perform a safe "eject" operation (e.g., "Safely Remove Hardware" on Windows, "Eject" on Mac) each time before physically unplugging the drive.
- **Avoid Sudden Disconnection:** Never unplug the drive during data transfers, and avoid any sudden power loss to the device.

Failing to follow these methods could prevent the drive from mounting normally on the next use and may require reformatting before it can be used again. Repeated improper disconnections can also cause irreversible damage to the drive and the data stored on it!



Image: The SSK SSD highlighting its aluminum alloy shell and shockproof design for enhanced durability.

6. TROUBLESHOOTING

- **Drive Not Detected:**

- Ensure the cable is securely connected to both the SSD and your device.
- Try a different USB port on your device.
- Try the other included USB cable.
- Restart your computer/device.
- Check your device's Disk Management (Windows) or Disk Utility (Mac) to see if the drive is visible but unformatted or uninitialized.

- **Slow Transfer Speeds:**

- Ensure your device's USB port supports USB 3.2 Gen2 (10Gbps) for maximum speed. Older USB 2.0 or 3.0 ports will result in slower speeds.
- Avoid running multiple demanding applications during large file transfers.
- Ensure the drive is not overheating (though the aluminum case is designed for heat dissipation).

- **Data Corruption/Drive Errors:**

- Always perform a safe eject before disconnecting the drive.
- If errors persist, consider reformatting the drive (see Setup Guide), but be aware this will erase all data.

7. SPECIFICATIONS

Brand	SSK
Model Number	SD500
Digital Storage Capacity	250 GB
Hard Drive Interface	PCIE x 4 (NVMe)
Connectivity Technology	USB-C 3.2 Gen2
Max Read Speed	Up to 1050 MB/s
Max Write Speed	Up to 1000 MB/s
Compatible Devices	Desktop, Laptop, Smartphone, Tablet (Linux, Mac, PC, Android, iPhone)
Item Weight	1.06 ounces (approx. 30g)
Product Dimensions (LxWxH)	2.7 x 1.48 x 0.49 inches (approx. 6.86 x 3.76 x 1.24 cm)
Material	Aluminum Alloy Case
Special Features	Portable, Shockproof, Heat Dissipation Design

Mini Portable Design

Beautiful shape and Easy to Carry



Image: Graphic illustrating the compact dimensions of the SSK SSD, emphasizing its mini portable design.



Image: The SSK SSD shown with various compatible devices including a mobile phone, laptop, Smart TV, PS4, and Smart Speaker.

8. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official SSK website or the full User Manual PDF provided with your product. You can also find the User Manual PDF [here](#).

For further assistance, please contact SSK customer support through their official channels.

 Portable solid state flash drive User Manual SD301  <small>Before using the product, please read this user manual carefully.</small>	<p>SSK SD301 Portable Solid State Flash Drive User Manual</p> <p>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  <small>Before using the product, please read this user manual carefully.</small>	<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>
 Portable solid state flash drive User Manual SD301  <small>Before using the product, please read this user manual carefully.</small>	<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>
 SSK-DK100 User Manual	<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>
 HDD Docking Station User Manual DK108	<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>
 SSK SC302 Type-C Multifunctional Docking Station User Manual	<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>