SSK SD303

SSK SD303 2TB Push-Pull Dual-Interface USB SSD Flash Drive User Manual

Model: SD303

Introduction

This manual provides instructions for the SSK SD303 2TB Push-Pull Dual-Interface USB SSD Flash Drive. This device combines the performance of an external SSD with the portability of a USB flash drive, offering high-speed data transfer and broad compatibility. Please read this manual carefully before using the product to ensure proper operation and longevity.

Key Features

- **High-Speed Performance:** Up to 1000MB/s transfer speed with USB 3.2 Gen2 interface.
- **Dual-Interface Design:** Integrated USB-A and USB-C connectors for versatile connectivity.
- **NAND SSD Chip:** Equipped with SMART checking and TRIM optimization for stable performance.
- **Durable Construction:** Premium zinc alloy casing for enhanced heat dissipation and endurance.
- **4K ProRes HDR Support:** Capture high-quality video directly on compatible iPhone and Android devices.
- **Universal Compatibility:** Plug-and-play with most phones, tablets, computers (Windows, macOS, Android, iOS, Linux).
- **Large Storage Capacity:** 2TB (approximately 1907GB on Windows due to calculation methods).

Setup and Connection

1. Understanding the Push-Pull Dual-Interface

The SSK SD303 features a unique push-pull mechanism to switch between its USB-A and USB-C connectors.

Image Description: A diagram illustrating the SSK SSD Flash Drive's push-pull design. It shows the drive with the USB-A connector extended and an arrow indicating "Press to unlock and slide USB-A connector". Below it, the drive is shown with an internal SSD chip visible, labeled "SSD" and "10Gbps Fast". Further down, the drive is shown with the USB-C connector extended, with an arrow indicating "Press to unlock and slide USB-C connector". Icons for "20% Faster UASP", "SSD Safety Reminder S.M.A.R.T", and "SSD Optimization TRIM" are at the bottom.

- To expose the USB-A connector, press the slider button and push the connector out.
- To expose the USB-C connector, press the slider button and push the connector out from the opposite end.
- Ensure the connector clicks into place securely before use.

2. Initial Connection

The drive is pre-formatted as exFAT for universal compatibility. Simply plug the appropriate connector (USB-A or USB-C) into your device.

Image Description: A collage of images demonstrating the SSK SSD Flash Drive's compatibility. The top row shows the drive connected to a laptop, a smartphone, a smart TV, and a car's infotainment system. The bottom row shows a hand operating the push-pull mechanism to switch between USB-A and USB-C. Below this, icons represent compatible operating systems: Mac OS, iOS, Windows, Android, and Linux.

- **For Computers (Windows/macOS/Linux):** Insert the USB-A or USB-C connector into an available port. The drive should appear as a removable storage device.
- **For Mobile Devices (iPhone/Android/Tablet):** Insert the USB-C connector into your device.
  - **Note for iPhone:** Requires iOS 17 or later and USB-C Pro models for full-speed transfer.
  - **Note for Android:** Devices must support OTG (On-The-Go) functionality. Some phones with limited power output may require an external power source.

Operation

1. File Transfer (General)

Once connected, the SSK SD303 functions like any standard external storage device.

- **To copy files to the drive:** Drag and drop files from your device to the SSK SSD folder.
- **To copy files from the drive:** Drag and drop files from the SSK SSD folder to your device.
- Actual transfer speed varies based on the host device, USB 3.2 Gen2 interface, and file type.

Image Description: A screenshot of CrystalDiskMark 7.0 showing read and write speeds of 1084.47 MB/s and 1020.59 MB/s respectively, indicating 10Gbps high-speed transfer. The SSK SSD Flash Drive is shown connected to a laptop. A comparison chart illustrates USB 3.2 Gen2 (10Gbps), USB 3.1 Gen1 (5Gbps), and USB 2.0 (480Mbps) speeds.

2. File Transfer for iPhone (iOS 17+ with USB-C Pro models)

For iPhones with a USB-C port (iPhone 15/16/17 Pro or newer models), you can directly transfer photos and videos.

1. Connect the SSK Flash drive into the Type-C port on your iPhone.
2. Open the "Photos" App and choose the photos you want to transfer.
3. Alternatively, open "Files" App, click "Browse", and you will see the SSK drive.
4. To transfer, select files, click "Share", then "Save to Files", choose the SSK drive as the target, and click "Save".

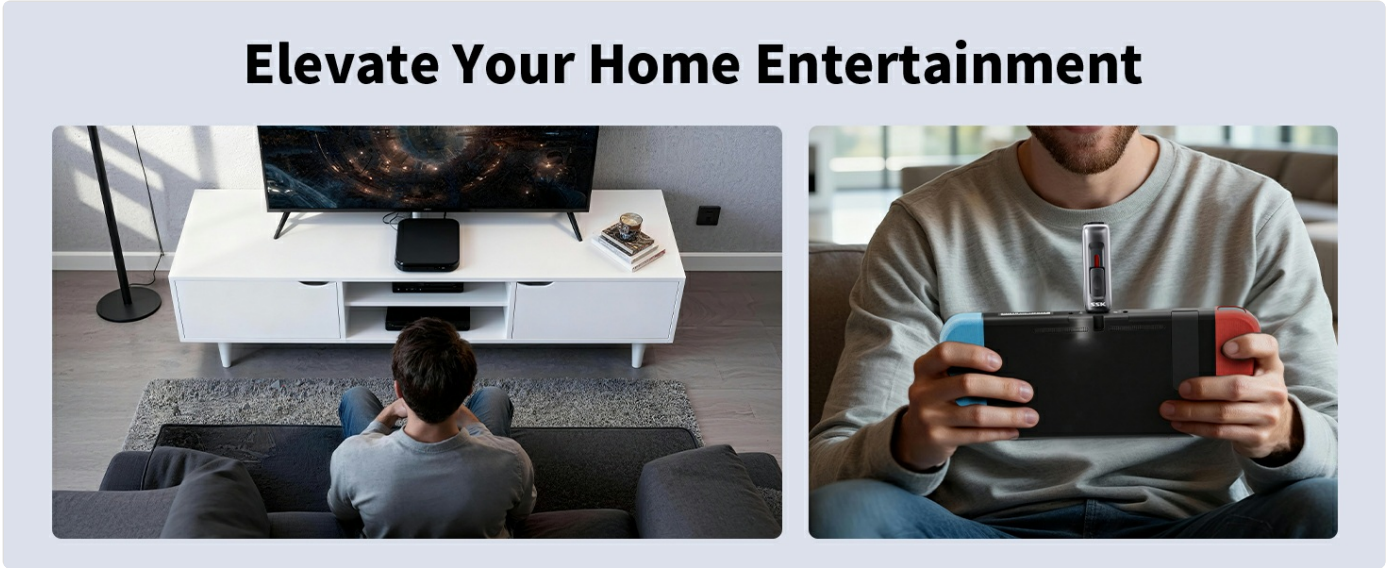

Image Description: A five-step visual guide for transferring items from an iPhone to the SSK SSD. Step 1: Select items in the Photos app and click Share. Step 2:

Tap "Save to Files". Step 3: Navigate back to the "Browse" tab. Step 4: Locate "SSK SSD" as the target drive. Step 5: Save and wait for the transfer to complete.

3. Capturing 4K ProRes HDR Video for iPhone

On compatible iPhone Pro USB-C models, you can capture 4K 60Hz ProRes HDR videos directly to the SSK SD303.

1. Go to iPhone **Settings** > **Camera** > **Formats**.
2. Turn on "Apple ProRes".
3. Open the **Camera App**, turn on "ProRes", and start recording. The video will be saved directly to the connected SSK SSD.

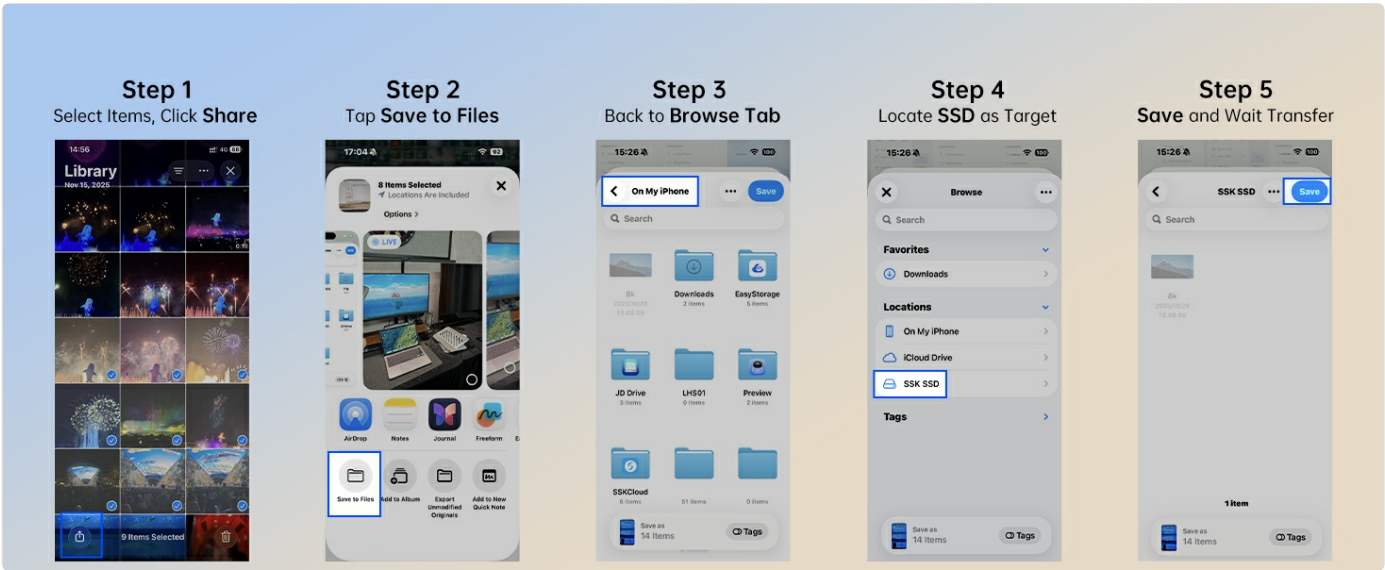

Image Description: An iPhone 15/16/17 Pro model is shown connected to the SSK SSD Flash Drive, actively recording 4K HDR ProRes video. The text highlights "Capture high-bitrate footage directly to the USB SSD" and "Free up phone storage" and "Shoot without limits". A note states: "Only iPhone 15/16/17 pro or newer models support ProRes".

Image Description: A five-step visual guide for enabling ProRes video recording on an iPhone and storing it on the SSK SSD. Step 1: Enter Camera Settings. Step 2: Enable ProRes Video. Step 3: Choose Video Format. Step 4: Locate SSK SSD in the Browse Tab. Step 5: Video File Stored Here.

4. Photo/File Backup for Android Phone/Tablet

For Android devices that support OTG functionality, you can back up photos and files.

1. Open the album/file manager on your Android device.
2. Select the data you wish to transfer, then choose 'Copy' or 'Move'.
3. Click 'Save' and select the SSK drive as the destination folder.

Image Description: A two-step visual guide for backing up photos/files from an Android phone/tablet to the SSK SSD. Step 1: Open the album/file, select the data, and choose 'Copy' or 'Move'. Step 2: Click 'Save' and select the destination folder (SSK drive). A note reminds users to ensure their phone or tablet supports OTG function.

Maintenance and Care

- **Safe Ejection:** Always safely eject the USB drive from your computer or device before physically removing it. This prevents data corruption and ensures data integrity.
- **Heat Dissipation:** The zinc alloy casing is designed to dissipate heat efficiently. It is normal for the flash drive case to warm up during continuous high-speed transfers. This does not indicate a malfunction.
- **Storage:** Store the drive in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the drive. Avoid using liquid cleaners or solvents.

Troubleshooting

1. Drive Not Recognized

- Ensure the drive is fully inserted into the USB port.
- Try a different USB port on your device.
- Test the drive on another computer or compatible device to rule out a device-specific issue.
- For mobile devices, ensure OTG functionality is enabled (if applicable) and that the device provides sufficient power.

2. Slow Transfer Speeds

- Verify that your host device supports USB 3.2 Gen2 (10Gbps) for optimal performance. Connecting to a USB 2.0 port will result in significantly lower speeds.
- Large numbers of small files transfer slower than a few large files of the same total size.
- Continuous heavy usage can cause the drive to warm up, which is normal. While the zinc alloy casing helps, prolonged high-speed transfers might experience slight speed reductions to maintain stability.
- Ensure no other demanding tasks are running on your computer during transfers.

3. Displayed Capacity Differs

The 2TB flash drive may show approximately 1907GB on Windows and 2TB on macOS. This difference is due to varying calculation methods:

- Windows typically calculates 1GB as 1024MB.

- SSD systems and macOS typically calculate 1GB as 1000MB.

This is a standard industry practice and does not indicate a defect in the product's storage capacity.

Image Description: A graphic titled "Attention: Full Capacity Flash Drive" showing three screens: Windows displaying 1907GB, Mac OS displaying 2000GB, and iOS/Android displaying 2000GB. Text explains that 2TB SSD drives often display around 1907GB on Windows but full 2000GB on macOS due to different calculation methods (1GB = 1024MB on Windows vs. 1000MB on SSDs).

4. Data Corruption / Drive Errors

- **Crucial:** Always safely eject the drive before removal. Abrupt removal can lead to data loss or drive damage.
- If the drive frequently requires reformatting or shows errors, contact SSK customer support.

SPECIFICATIONS

Feature	Detail
Brand	SSK
Model Name	SD303/2TB
Model Number	SD303
Memory Storage Capacity	2 TB
Hardware Interface	USB 3.2 Gen 2
Read Speed	1000 Megabytes Per Second
Flash Memory Type	NAND
Special Features	1000MB/s NAND SSD Chip, Push-Pull Dual-Interface, SMART & TRIM
Compatible Devices	Laptop, iPhone (USB-C Pro models), Android (OTG supported), Tablet, Windows PC, Mac
Connectivity Technology	USB
Color	Space Gray
Item Dimensions (D x W x H)	0.33"D x 0.86"W x 2.83"H
Item Weight	40 Grams
Manufacturer	SSK Corporation

Warranty and Support

The SSK SD303 2TB Push-Pull Dual-Interface USB SSD Flash Drive comes with a**3-year warranty**.
For technical support, warranty claims, or further assistance, please contact SSK customer service through their official website or the retailer where the product was purchased.

Product Demonstration Video

Your browser does not support the video tag.

Video Description: An official product video from SSK demonstrating the features and usage of the Push-Pull Dual USB Solid-State Flash Drive. The video shows the drive being connected to an iPhone, a tablet, and a laptop, highlighting its dual USB-A and USB-C interfaces, high-speed data transfer capabilities, and compact design. It also shows the drive being used to transfer files and store data.