

SSK DK102

SSK USB 3.0 to SATA External Hard Drive Docking Station

MODEL: DK102 USER MANUAL

1. Introduction

Thank you for choosing the SSK USB 3.0 to SATA External Hard Drive Docking Station, Model DK102. This device provides a convenient solution for accessing 2.5-inch and 3.5-inch SATA I/II/III HDDs and SSDs without the need for installation into a computer chassis. It supports high-speed data transfer via USB 3.0 with UASP, ensuring efficient and reliable performance. This manual will guide you through the setup, operation, and maintenance of your docking station.



Image 1.1: Front view of the SSK USB 3.0 to SATA External Hard Drive Docking Station, Model DK102. The device is

2. Package Contents

Please verify that all items are present in your package:

- 1x SSK DK102 Docking Station
- 1x USB 3.0 Cable
- 1x 12V/2A Power Adapter
- 1x User Manual

3. Product Overview

Familiarize yourself with the components and interfaces of your docking station.

Tool-Free Installation for All 2.5"/3.5" SATA I/II/III HDD SSD

The Highest Capacity Support Up to 20TB



Type B
USB3.0 Port

DC 12V/2A
Power

ON/OFF
Port



3.5" SATA HDD



2.5" SATA HDD



2.5" SATA SSD



Windows



Mac OS



Linux

Image 3.1: Rear view of the SSK DK102 docking station, highlighting the Type B USB 3.0 Port, DC 12V/2A Power input,

and ON/OFF switch.

Components:

- **SATA Slot:** Top-loading slot for 2.5-inch and 3.5-inch SATA HDDs/SSDs.
- **LED Indicator:** Located on the front, indicates power and activity status.
- **USB 3.0 Type-B Port:** Connects the docking station to your computer via the provided USB 3.0 cable.
- **DC 12V/2A Power Input:** Connects to the included power adapter for device operation.
- **ON/OFF Switch:** Controls the power supply to the docking station.
- **Anti-skid Footpad:** Located on the bottom for stability.

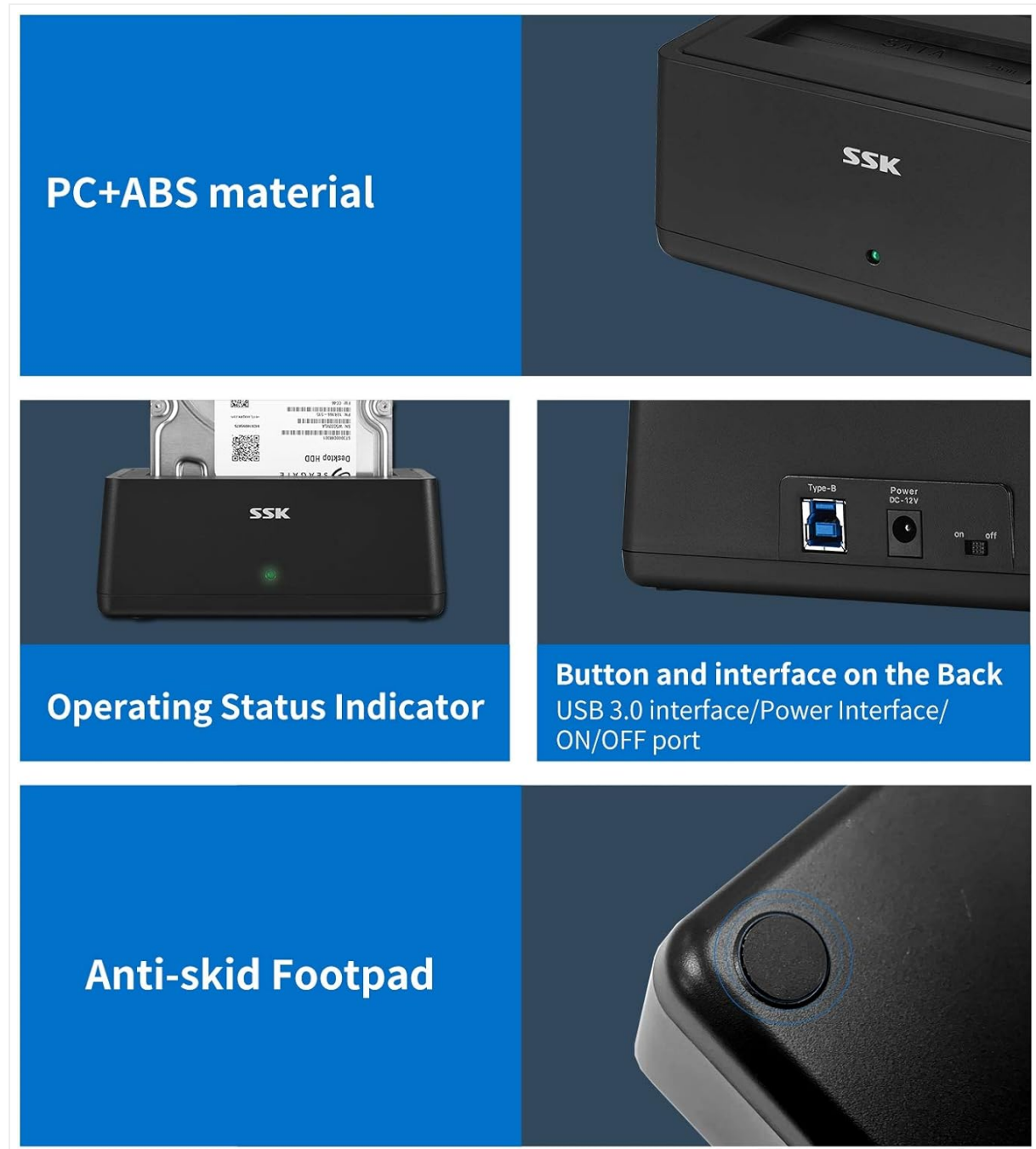


Image 3.2: Detailed view showcasing the PC+ABS material, operating status indicator, back panel buttons and interfaces, and the anti-skid footpad of the SSK DK102.

4. Setup Instructions

Follow these steps to set up your SSK DK102 docking station:

1. **Connect Power Adapter:** Insert the DC 12V/2A power adapter into the power input port on the back of the docking station. Plug the adapter into a power outlet.
2. **Insert Hard Drive:** Gently slide your 2.5-inch or 3.5-inch SATA HDD/SSD into the top-loading slot of the docking station. Ensure it is firmly seated. No tools are required for installation.
3. **Connect to Computer:** Connect one end of the provided USB 3.0 cable to the USB 3.0 Type-B port on the docking station and the other end to an available USB 3.0 port on your computer.
4. **Power On:** Flip the ON/OFF switch on the back of the docking station to the 'ON' position. The LED indicator on the front will illuminate.



Image 4.1: The SSK DK102 docking station with a 3.5-inch hard drive inserted and the power adapter connected to a wall outlet, illustrating a sufficient power supply for large capacity drives.

5. Operating Instructions

Once the docking station is set up and powered on, your computer should automatically detect the connected hard drive. No drivers are typically needed for Windows, macOS, or Linux operating systems.

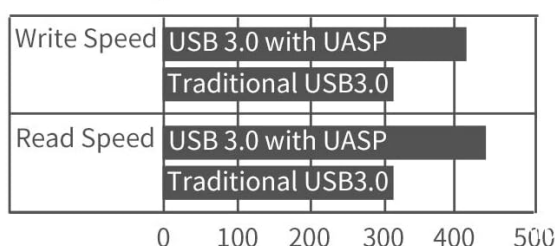
- **Accessing Data:** The hard drive will appear as a removable disk in your computer's file explorer

(Windows) or Finder (macOS). You can now access, transfer, and manage files on the drive.

- **UASP Support:** The docking station supports the UASP (USB Attached SCSI Protocol) for enhanced data transfer speeds, up to 5Gbps, which can be significantly faster than traditional USB 3.0 without UASP.

UASP Protocol Supported, Incredibly Fast Transfers 70% Faster Speed than Traditional USB3.0

USB 3.0 Speed Comparison



USB3.0 CPU Usage Comparison

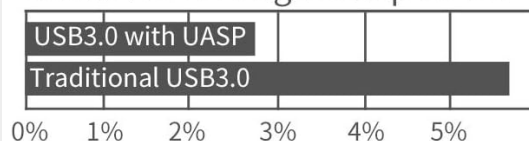


Image 5.1: A chart comparing USB 3.0 with UASP versus traditional USB 3.0 for write and read speeds, showing UASP's performance advantage. A hard drive is shown inserted into the SSK docking station.

- **Hot-Swapping:** You can swap out hard drives effortlessly. Before removing a drive, ensure all data transfer operations are complete and safely eject the drive from your operating system to prevent data corruption.
- **Automatic Sleep Mode:** The docking station features a smart auto-sleep function. If there is no operation for 10 minutes, the device will enter sleep mode to protect your hard drive and conserve power.

Sleep automatically after ten minutes of inactivity

Effectively extend life and protect your data security



Image 5.2: A laptop connected to the SSK DK102 docking station with a hard drive inserted, visually representing the 10-minute automatic sleep feature designed to extend drive life and enhance data security.

6. Specifications

Model Number	SSK DK102
Compatible Drives	2.5-inch & 3.5-inch SATA I/II/III HDD/SSD
Max Capacity Support	Up to 20TB
Interface	USB 3.0 (backward compatible with USB 2.0)
Data Transfer Rate	Up to 5Gbps (USB 3.0)
UASP Support	Yes
Operating System Compatibility	Windows XP/Vista/7/8/8.1/10, Mac OS 10.4-10.11, Linux Kernel 2.4.2 or higher
Power Supply	DC 12V/2A Power Adapter
Material	PC+ABS
Dimensions	5.08 x 3.78 x 2.83 inches

7. Troubleshooting

If you encounter issues with your SSK DK102 docking station, please refer to the following common solutions:

- **Drive Not Detected:**

- Ensure the power adapter is securely connected and the docking station is powered on.
- Verify the hard drive is properly seated in the SATA slot.
- Try connecting the USB 3.0 cable to a different USB port on your computer.
- Test with a different hard drive to rule out a drive issue.
- For new drives, ensure they are initialized and formatted in Disk Management (Windows) or Disk Utility (macOS).

- **Slow Transfer Speeds:**

- Ensure you are connected to a USB 3.0 port on your computer. USB 2.0 ports will operate at slower speeds.
- Verify your operating system and drivers support UASP.
- Check the health of your hard drive.

- **Intermittent Disconnections:**

- Ensure all cables (power and USB) are securely connected.
- Avoid placing the docking station in areas prone to vibration or physical disturbance.
- Try a different USB cable.

- **LED Indicator Behavior:**

- A solid blue/green light typically indicates power on.
- A blinking light usually indicates data activity.
- No light when powered on suggests a power issue or device malfunction.

8. Maintenance

To ensure the longevity and optimal performance of your SSK DK102 docking station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the docking station. Avoid liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the docking station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Ventilation:** Ensure proper ventilation around the docking station to prevent overheating, especially during prolonged use.

9. Warranty and Support

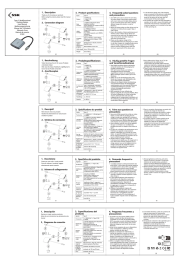

SSK products are designed for reliability and performance. For warranty information and technical support, please refer to the official SSK website or contact your local distributor. Keep your purchase receipt for

warranty claims.

For additional resources and product information, visit the [SSK Brand Store](#).

Related Documents - DK102

 <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>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>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>
 <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>Type-C All-in-One Adapter Product Manual SC211</p>	<p>SSK SC211 Type-C All-in-One Adapter Product Manual</p> <p>Comprehensive user manual for the SSK SC211 Type-C All-in-One Adapter, detailing its specifications, interfaces, connection diagrams, and frequently asked questions. This adapter expands connectivity for laptops and other Type-C devices.</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>
	<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>

Documents - SSK – DK102



[\[pdf\]](#) User Manual

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