

SSK DK103

SSK DK103 Dual Bay USB 3.0 SATA Hard Drive Docking Station User Manual

Model: DK103 | Brand: SSK

1. INTRODUCTION

The SSK DK103 is an aluminum dual-bay docking station designed for 2.5-inch and 3.5-inch SATA I/II/III HDDs and SSDs. It features USB 3.0 connectivity with UASP support for fast data transfers and includes an offline cloning/duplicator function, allowing you to duplicate hard drives without a computer connection. This manual provides detailed instructions for setup, operation, and maintenance of your docking station.



Figure 1: SSK DK103 Dual Bay Hard Drive Docking Station

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1x SSK DK103 Dual Bay Docking Station
- 1x USB 3.0 Cable
- 1x 12V/3A Power Adapter
- 1x User Manual

3. PRODUCT OVERVIEW

The SSK DK103 features a durable aluminum alloy shell for efficient heat dissipation and includes various ports and indicators for ease of use.



Figure 2: Rear Panel Connections (DC Port, USB 3.0 Port, Power Switch)

Components:

- **Drive Bays (A & B):** Slots for inserting 2.5-inch or 3.5-inch SATA HDDs/SSDs.
- **Power Button:** Controls the power supply to the docking station.
- **Clone Button:** Initiates the offline cloning process.
- **LED Indicators:** Display power status, drive activity, and cloning progress (25%, 50%, 75%, 100%).
- **USB 3.0 Port:** Connects the docking station to your computer for data transfer.
- **DC-12V Power Input:** Connects to the included power adapter.
- **Anti-skid Footpads:** Located on the bottom for stability.

4. SETUP INSTRUCTIONS

4.1 Installing Hard Drives

1. Ensure the docking station is powered off and disconnected from your computer.
2. Gently insert your 2.5-inch or 3.5-inch SATA HDD/SSD into the drive bays (A and/or B) until it is securely seated. Ensure the SATA connector aligns correctly.



Figure 3: Inserting Hard Drives

4.2 Connecting to Power and Computer

1. Connect the 12V/3A power adapter to the DC-12V input port on the docking station and then plug it into a power outlet.
2. Connect the included USB 3.0 cable from the docking station's USB 3.0 port to an available USB port on your computer.
3. Press the power button on the docking station to turn it on. The LED indicators will illuminate.
4. Your computer should automatically detect the connected drives. For new drives, you may need to initialize and format them through your operating system's Disk Management utility before use.

5. OPERATING INSTRUCTIONS

5.1 Data Transfer (Connected to Computer)

When connected to a computer via USB 3.0, the docking station functions as an external drive enclosure. Drives inserted into the bays will appear as separate drives on your computer.

- Ensure the docking station is powered on and connected to your computer.
- Access the drives through your computer's file explorer (Windows) or Finder (macOS).
- Drag and drop files to transfer data between your computer and the inserted drives, or between the two inserted drives.
- The docking station supports UASP (USB Attached SCSI Protocol) for enhanced data transfer speeds, up to 5Gbps, when connected to a UASP-enabled USB 3.0 port.

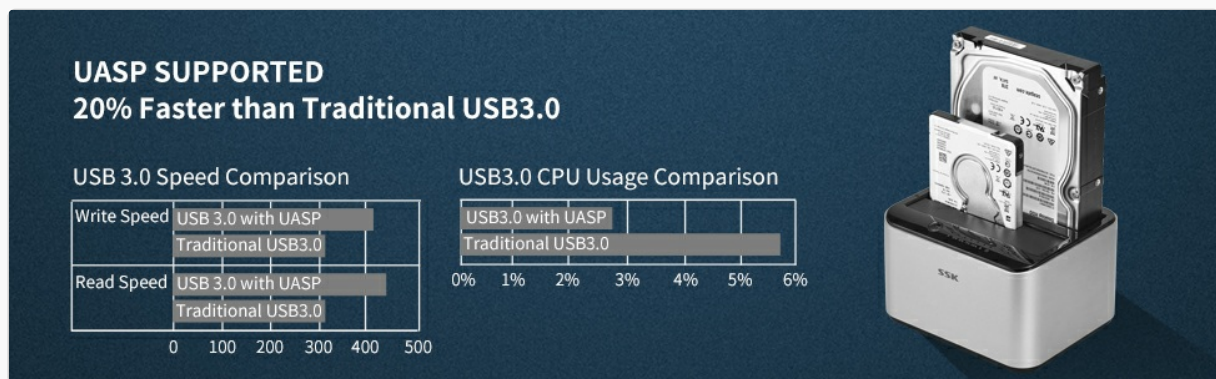


Figure 4: UASP Protocol for Faster Data Transfers

5.2 Offline Cloning/Duplication

The offline cloning function allows you to duplicate data from a source drive (Disk A) to a target drive (Disk B) without a computer connection.

Important Considerations Before Cloning:

- The target drive (Disk B) must have a capacity equal to or larger than the source drive (Disk A).
- Ensure both source and target drives are functioning correctly.
- All existing data on the target drive (Disk B) will be erased during the cloning process. If you need to save data from Disk B, transfer it to another location before cloning.
- Do not unplug drives directly during the cloning process. Wait for the completion notification.

Cloning Steps:

1. Ensure the docking station is powered off and disconnected from any computer.
2. Insert the source drive (the drive you want to copy FROM) into Bay A.
3. Insert the target drive (the drive you want to copy TO) into Bay B.
4. Press and hold the Clone button for approximately 3-5 seconds until the LED indicators begin to flash.

5. Release the Clone button. The cloning process will begin.
6. The LED indicators (25%, 50%, 75%, 100%) will illuminate sequentially to show the cloning progress.
7. Once all LED indicators are solid (100%) and you hear three 'bang' noises, the cloning process is complete.
8. Press the power button to turn off the docking station before removing the drives.



Figure 5: Offline Cloning Process

6. COMPATIBILITY

The SSK DK103 docking station is compatible with a wide range of operating systems and devices:

- **Operating Systems:** Windows XP / Vista / 7 / 8 / 8.1 / 10, macOS 10.4 to 10.11, Linux Kernel 2.4.2 or greater.
- **Hard Drive Types:** All 2.5-inch and 3.5-inch SATA I/II/III HDDs and SSDs.
- **Maximum Capacity:** Supports up to 2x16TB (32TB total) hard drives.
- **Compatible Devices:** Desktop computers, laptops, smartphones (with appropriate adapters, not included), tablets (with appropriate adapters, not included), televisions (for media playback).



Figure 6: Example Usage with a Gaming Console



Figure 7: Example Usage with a Smart TV

7. MAINTENANCE

To ensure optimal performance and longevity of your SSK DK103 docking station:

- Keep the device in a clean, dry environment, away from direct sunlight and extreme temperatures.
- Avoid dropping or subjecting the device to strong impacts.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.
- Ensure proper ventilation around the device, especially when multiple drives are in use.

8. TROUBLESHOOTING

Common Issues and Solutions:

- **Drives not detected by computer:**
 - Ensure the docking station is powered on and the USB cable is securely connected to both the docking station and the computer.
 - Verify that the hard drives are properly seated in the bays.
 - Try connecting to a different USB port on your computer.
 - For new drives, check Disk Management (Windows) or Disk Utility (macOS) to initialize and format the drive.
 - Test the drives directly in a computer or another enclosure to confirm they are functional.
- **Offline cloning fails or does not start:**
 - Ensure the docking station is disconnected from the computer before initiating cloning.
 - Confirm the target drive (Disk B) capacity is equal to or larger than the source drive (Disk A).
 - Ensure both drives are properly inserted and functional.
 - Press and hold the Clone button for the specified duration (3-5 seconds).
- **Slow data transfer speeds:**
 - Ensure you are using a USB 3.0 port on your computer. USB 2.0 ports will operate at slower speeds.
 - Verify that your computer's USB 3.0 port supports UASP for optimal performance.
 - The actual speed depends on the hard drive's performance. SSDs will be faster than HDDs.

9. SPECIFICATIONS

Feature	Specification
Model Number	DK103
Material	Aluminum Alloy
Interface	USB 3.0 (backward compatible with USB 2.0)
Drive Compatibility	2.5-inch & 3.5-inch SATA I/II/III HDD/SSD
Number of Bays	2
Max Capacity Supported	2 x 16TB (32TB total)
Data Transfer Rate	Up to 5Gbps (USB 3.0 with UASP)
Functions	Data Transfer, Offline Cloning/Duplication

Power Adapter	12V/3A
Operating System Support	Windows, macOS, Linux
Product Dimensions	5.08 x 3.78 x 2.83 inches
Item Weight	1.32 pounds (0.6 kg)

10. SAFETY INFORMATION

Please observe the following safety guidelines:

- Use only the provided 12V/3A power adapter. Using an incorrect adapter may damage the device or cause a fire.
- Do not expose the device to water or excessive moisture.
- Avoid disassembling the device. This will void the warranty and may cause damage.
- Protect your data: Always safely eject drives from your computer before disconnecting the USB cable or powering off the docking station.
- During offline cloning, ensure the process is complete before removing drives. Premature removal can lead to data corruption.
- The docking station includes built-in protections against overcurrent, overvoltage, short circuits, and leakage to ensure safe operation.



Figure 8: Power Protection Features

11. WARRANTY AND SUPPORT

SSK products typically come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official SSK website for detailed warranty terms and conditions.

For technical support, product inquiries, or warranty claims, please contact SSK customer service through their official channels. Contact information can usually be found on the SSK website or on the product packaging.