

ICY BOX IB-168SK-B

ICY BOX IB-168SK-B External 3.5-inch SATA Hard Drive Quick Swap Enclosure User Manual

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the ICY BOX IB-168SK-B external 3.5-inch SATA hard drive quick swap enclosure. This device is designed for convenient and rapid exchange of 3.5-inch SATA hard drives, offering a robust and efficient solution for data management.

Key features include:

- Quick and tool-free hard drive installation and removal.
- Compatibility with all 3.5-inch SATA hard drives.
- Integrated rubber padding to reduce vibrations and noise.
- Support for hot-swapping functionality.
- NSS (No-Scratch SATA) mechanism designed for over 50,000 hard drive changes.
- PC compatibility.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1x ICY BOX IB-168SK-B External 3.5-inch SATA Hard Drive Enclosure
- 1x Set of keys for the lock mechanism
- 1x SATA data cable (typically included)
- 1x SATA power cable (typically included)
- 1x User Manual (this document)

3. SETUP INSTRUCTIONS

3.1 Installing the Enclosure into a PC Bay

The IB-168SK-B is designed to fit into a standard 5.25-inch drive bay in your computer case.

1. **Prepare your PC:** Power off your computer and disconnect all cables. Open the computer case to access the internal drive bays.

2. **Locate a 5.25-inch bay:** Identify an available 5.25-inch drive bay. Remove any front panel covers or brackets if necessary.
3. **Insert the enclosure:** Carefully slide the IB-168SK-B enclosure into the chosen 5.25-inch bay from the front of the case until it is flush with the front panel.
4. **Secure the enclosure:** Use screws to secure the enclosure to the drive bay on both sides. Ensure it is firmly in place to prevent movement.
5. **Connect cables:** Connect a SATA data cable from the enclosure's rear SATA port to an available SATA port on your motherboard. Connect a SATA power cable from your power supply unit to the enclosure's rear SATA power port.

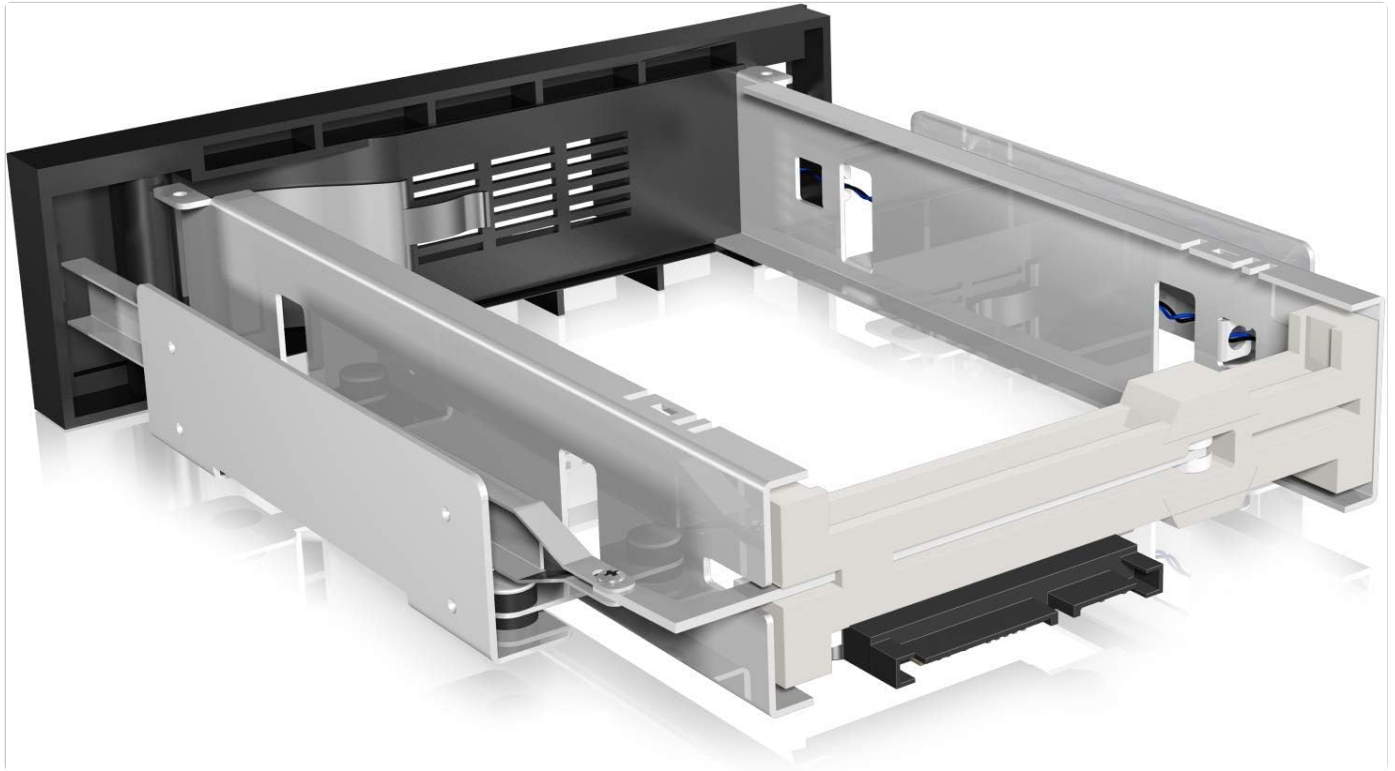


Image: Rear view of the enclosure, illustrating the SATA data and power connections.

3.2 Installing a 3.5-inch SATA Hard Drive

The enclosure features a quick-swap mechanism for easy hard drive installation.

1. **Unlock the front panel:** Use the provided key to unlock the front panel of the enclosure. Turn the key to the unlock position and open the front door.
2. **Insert the hard drive:** Gently slide your 3.5-inch SATA hard drive into the open bay. Ensure the SATA connectors on the hard drive align with the connectors inside the enclosure. Push firmly until the hard drive is fully seated and clicks into place.
3. **Close and lock:** Close the front door of the enclosure. Turn the key to the lock position to secure the hard drive. This also ensures proper electrical contact and prevents accidental removal.



Image: A 3.5-inch hard drive being inserted into the enclosure.



Image: Front view of the enclosure with the hard drive bay closed and locked.

4. OPERATING INSTRUCTIONS

4.1 Powering On and Drive Recognition

After installing the hard drive and securing the enclosure, power on your computer. The operating system should detect the newly installed hard drive. If it's a new drive, you may need to initialize and format it through Disk Management (Windows) or Disk Utility (macOS) before use.

4.2 Hot-Swapping Hard Drives

The IB-168SK-B supports hot-swapping, allowing you to remove and insert hard drives while the computer is running. To perform a hot-swap:

1. **Safely Eject (if applicable):** Before removing a drive, ensure all data transfers are complete and safely eject the drive through your operating system's "Safely Remove Hardware" or "Eject" function.
2. **Unlock and Open:** Use the key to unlock the front panel and open the door.
3. **Remove Drive:** Gently pull the hard drive out of the bay.
4. **Insert New Drive:** Slide the new 3.5-inch SATA hard drive into the bay, ensuring proper alignment.
5. **Close and Lock:** Close the front door and lock it with the key. The operating system should detect the new drive.

Important: Always ensure the drive is not actively being accessed before removing it to prevent data loss or corruption.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the enclosure. Avoid liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the ventilation slots on the front panel are not obstructed to allow for proper airflow and cooling of the hard drive.
- **Key Management:** Keep the provided keys in a safe place. The lock mechanism is crucial for securing the hard drive and enabling the quick-swap function.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Hard drive not detected by the computer.	<ul style="list-style-type: none">◦ Incorrect cable connection.◦ Hard drive not fully seated.◦ Hard drive not initialized/formatted.◦ Enclosure not powered.	<ul style="list-style-type: none">◦ Check SATA data and power cable connections.◦ Ensure the hard drive is pushed firmly into the bay and the door is locked.◦ For new drives, initialize and format in Disk Management/Disk Utility.◦ Verify the PC's power supply is connected and functioning.
Enclosure door does not close or lock.	<ul style="list-style-type: none">◦ Hard drive not fully inserted.◦ Obstruction in the bay.	<ul style="list-style-type: none">◦ Ensure the hard drive is completely seated.◦ Check for any foreign objects preventing the door from closing.
Excessive vibration or noise.	<ul style="list-style-type: none">◦ Hard drive not properly secured.◦ Faulty hard drive.	<ul style="list-style-type: none">◦ Ensure the enclosure is securely mounted in the PC bay and the hard drive is locked in place.◦ Test the hard drive in another enclosure or directly connected to the motherboard to rule out drive issues.

7. SPECIFICATIONS

Feature	Detail
Brand	ICY BOX
Model Number	IB-168SK-B
Color	Black
Product Type	3.5-inch Hard Drive Enclosure
Connections	SATA
Material	Plastic, Metal

Feature	Detail
Compatible Devices	PC
Special Features	Quick Swap, Hot-Swap Support, NSS (No-Scratch SATA)





8. WARRANTY AND SUPPORT




Specific warranty information for the ICY BOX IB-168SK-B is not provided within this manual. For details regarding warranty coverage, technical support, or spare parts availability, please refer to the manufacturer's official website or contact their customer service directly. The manufacturer is RaidSonic Technology.

Information regarding software updates for this product is not available.



Related Documents - IB-168SK-B

	<p>ICY BOX IB-3640 Series: 4-Bay External JBOD & RAID HDD Enclosures</p> <p>Explore the ICY BOX IB-3640 Series, external 4-bay JBOD and RAID enclosures designed for 3.5" SATA I/II/III HDDs. These enclosures feature trayless assembly, silent operation, and support for USB 3.0, eSATA, and Firewire interfaces, offering flexible and high-capacity storage solutions.</p>
	<p>ICY BOX IB-3640 Series Multi-Bay RAID Enclosure Manual</p> <p>Comprehensive user manual for the ICY BOX IB-3640 Series multi-bay hard drive enclosures, covering installation, RAID configuration, operation, and safety precautions. Supports models like IB-3640SU3 and IB-RD3640SU3.</p>
	<p>ICY BOX IB-289-C3 Manual: USB Type-C Enclosure with Keypad Encryption</p> <p>Comprehensive manual for the ICY BOX IB-289-C3, a USB Type-C external enclosure featuring keypad encryption, AES hardware encryption, and toolless drive installation. Includes safety instructions, setup guide, and LED descriptions.</p>
	<p>ICY BOX IB-AC640-C3 External Enclosure User Manual</p> <p>User manual for the ICY BOX IB-AC640-C3 external enclosure, detailing its features, contents, and setup for ultra-slim SATA drives.</p>

 Manual IB-127CL-U3 <small>2 Bay Docking & Cloning Station for 2.5" & 3.5" SATA drives</small> Handbuch <small>2 Bay Docking & Klonstation für 2,5" & 3,5" SATA Laufwerke</small> 	<p><u>ICY BOX IB-127CL-U3: 2-Bay SATA HDD Docking & Clone Station User Manual</u></p> <p>Comprehensive user manual for the ICY BOX IB-127CL-U3, detailing features, installation, safety precautions, and usage for its 2-bay SATA HDD docking and cloning capabilities.</p>
	<p><u>ICY BOX IB-M2S253 M.2 SATA to 2.5" SATA Adapter Installation Guide</u></p> <p>Detailed installation guide for the ICY BOX IB-M2S253, a 2.5-inch enclosure for M.2 SATA SSDs, enabling connection via SATA. Learn how to install your M.2 SATA drive.</p>