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Inateck SA02003C-BK

Inateck SA02003C Dual Bay Hard Drive Docking Station

Model: SA02003C-BK

Brand: Inateck

Introduction

The Inateck SA02003C is a versatile dual-bay docking station designed for 2.5-inch and 3.5-inch SATA HDDs and SSDs. It provides a convenient solution for data transfer, backup, and offline cloning, supporting capacities up to 20TB per bay. With USB 3.0 and UASP support, it ensures high-speed data transmission. The integrated RGB lighting adds a dynamic visual element, indicating drive activity and status.

Package Contents

Please verify that all items listed below are included in your package:

- 1 x Inateck SA02003C Docking Station
- 1 x User Manual
- 1 x 12V/3A Power Adapter
- 1 x USB 3.0 Type-C Data Cable

Image: Contents of the Inateck SA02003C package.

Product Overview

The Inateck SA02003C docking station features a robust design with intuitive controls and indicators for efficient operation.

Image: Front view of the Inateck SA02003C docking station.

Components:

- **Drive Bays (A & B):** Slots for inserting 2.5-inch or 3.5-inch SATA HDDs/SSDs.
- **Power Button:** To turn the device on/off.
- **Power Indicator LED:** Illuminates when the device is powered on.
- **Drive Activity LEDs (A & B):** Indicate read/write activity for each drive.
- **Clone Progress LEDs (25%, 50%, 75%, 100%):** Show the progress of offline cloning.
- **Clone Button:** Initiates the offline cloning process.
- **USB 3.0 Type-C Port:** For connecting to a computer.
- **DC Power Input:** For connecting the power adapter.
- **RGB LED Strip:** Provides dynamic lighting effects.

Setup

Follow these steps to set up your Inateck SA02003C docking station:

1. **Connect Power:** Plug the 12V/3A power adapter into the DC power input port on the back of the docking station, then plug the adapter into a power outlet.
2. **Insert Drives:** Gently insert your 2.5-inch or 3.5-inch SATA HDDs or SSDs into the drive bays (Slot A and/or Slot B) until

they are securely seated. Ensure the SATA connectors align correctly.

3. **Connect to Computer (Optional):** If you intend to use the docking station as an external drive, connect the provided USB 3.0 Type-C data cable from the docking station's USB-C port to an available USB port on your computer.
4. **Power On:** Press the power button on the docking station. The power indicator LED will illuminate.

Operating Instructions

1. Data Transfer Mode

When connected to a computer via the USB 3.0 Type-C cable, the docking station functions as an external drive enclosure. It supports USB 3.0 speeds up to 5Gbps and UASP (USB Attached SCSI Protocol) for enhanced transfer performance.

- Insert one or two drives into the bays.
- Connect the docking station to your computer.
- The drives will appear as removable storage devices on your computer.
- You can now drag and drop files, or use them as any other connected storage.

Image: High-speed data transfer via USB 3.0.

2. Offline Cloning

The docking station supports offline cloning, allowing you to duplicate a source drive to a target drive without needing a computer connection.

1. **Prepare Drives:** Ensure the docking station is powered off and disconnected from any computer. Insert the *source drive* (the drive you want to copy from) into Slot A and the *target drive* (the drive you want to copy to) into Slot B. **Note:** The target drive must be equal to or larger in capacity than the source drive.

2. **Power On:** Turn on the docking station.
3. **Initiate Cloning:** Press and hold the 'Clone' button for approximately 3-5 seconds until the cloning progress LEDs (25%, 50%, 75%, 100%) begin to flash.
4. **Confirm Cloning:** Briefly press the 'Clone' button again to confirm. The cloning process will begin, and the progress LEDs will illuminate sequentially to indicate completion percentage.
5. **Completion:** Once all four progress LEDs are solid, the cloning process is complete. Power off the docking station before removing the drives.

Important: All data on the target drive will be erased during the cloning process. Back up any important data on the target drive before proceeding.

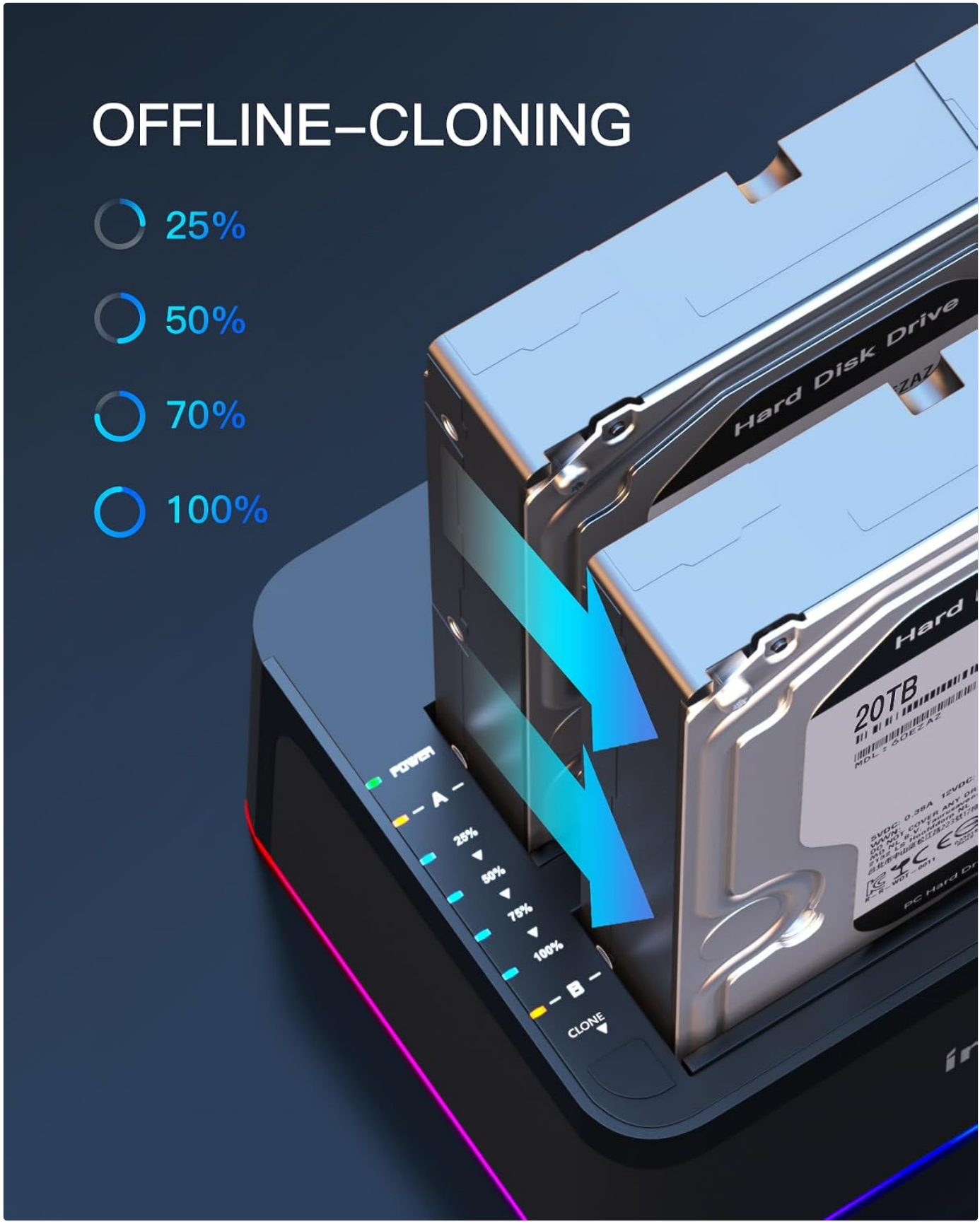

Image: Offline cloning process illustration.

3. RGB Lighting Effects

The docking station features dynamic RGB lighting that provides visual feedback on its status:

- **Active Mode:** When a hard drive is actively working (reading or writing data), the RGB LED lights will flash rapidly.
- **Idle/Sleep Mode:** When hard drives are in sleep mode or have been removed, the RGB lights transition to a breathing mode, indicating a low-power state.

Image: RGB lighting effects indicating drive activity.

4. Automatic Sleep Function

To conserve energy and extend drive lifespan, the docking station will automatically enter sleep mode after 30 minutes of inactivity. The RGB lights will switch to breathing mode when in sleep state.

Image: Automatic sleep function after 30 minutes of inactivity.

5. Hot-Swapping

The Inateck SA02003C supports hot-swapping, meaning you can insert or remove drives while the docking station is powered on and connected to a computer, without needing to restart the system. This feature is tool-free, driver-free, and plug-and-play.

Image: Hot-swapping functionality.

Compatibility

The Inateck SA02003C docking station offers broad compatibility:

- **Drive Types:** Compatible with 2.5-inch and 3.5-inch SATA I/II/III HDDs and SSDs.
- **Maximum Capacity:** Supports up to 2 x 20TB hard drives.
- **Operating Systems:** Compatible with Windows XP/7/8/10/11 and Mac OS 10.3 and above versions.
- **Devices:** Can be connected to laptops, desktop PCs, and other devices with a USB port.

Image: System compatibility with Windows and Mac OS.

Troubleshooting

Issue: Drive not recognized by computer.

Solution: Ensure the power adapter is securely connected and the docking station is powered on. Check the USB cable connection to both the docking station and the computer. Try a different USB port on your computer. For new drives, they may need to be initialized and formatted in Disk Management (Windows) or Disk Utility (Mac) before use.

Issue: Offline cloning fails or does not start.

Solution: Verify that the source drive is in Slot A and the target drive is in Slot B. Ensure the target drive's capacity is equal to or larger than the source drive's capacity. Make sure the docking station is disconnected from the computer during cloning. Follow the cloning steps precisely, including holding and then briefly pressing the clone button.

Issue: Slow data transfer speeds.

Solution: Ensure you are connected to a USB 3.0 port on your computer. Older USB 2.0 ports will result in slower speeds. Verify that your operating system and drivers support UASP for optimal performance. The actual speed may also depend on the performance of the hard drives themselves.

Issue: RGB lights are not working as expected.

Solution: Check if the docking station is powered on. The RGB lights indicate drive activity; if no drives are active or inserted, they may be in breathing mode. Ensure the drives are properly seated.

Specifications

Model Number	SA02003C-BK
Compatible Drive Types	2.5" / 3.5" SATA HDD & SSD
Max Capacity Supported	2 x 20TB
Interface	USB 3.0 Type-C
Data Transfer Rate	Up to 5Gbps (USB 3.0)
Features	Offline Cloning, UASP Support, RGB Lighting, Hot-Swap, Automatic Sleep
Power Adapter	12V/3A
Product Dimensions	5.91 x 4.49 x 2.4 inches
Item Weight	9.1 ounces

Maintenance

To ensure the longevity and optimal performance of your Inateck SA02003C docking station, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the docking station. Avoid using 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 the docking station has adequate ventilation to prevent overheating, especially during prolonged operation.
- **Power Disconnection:** Always disconnect the power adapter from the wall outlet when the device is not in use for

extended periods.

Warranty and Support

Inateck products come with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or visit the official Inateck website. If you encounter any issues or require technical assistance, please contact Inateck customer support through their official channels. Provide your product model number (SA02003C-BK) and a detailed description of the problem for efficient service.

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