iodd 2531

iodd ST300 User Manual

Model: 2531 | Brand: iodd

INTRODUCTION

The iodd ST300 is a versatile 2.5-inch (7mm) enclosure featuring a USB-C interface, designed for advanced data management and system booting. It functions as a bootable virtual ODD (Optical Disc Drive) and HDD (Hard Disk Drive), offering robust write protection and an intuitive interface. This manual provides comprehensive instructions for setting up, operating, maintaining, and troubleshooting your iodd ST300 device.

Figure 1: iodd ST300 device overview.

Key Features

- **Bootable ODD (DVD, Blu-ray Rom) Recognition:** Allows booting by selecting an ISO file, functioning as a virtual optical drive.

- **Write Protect Blocker:** Protects data from accidental deletion or modification.

- **Win To Go Support:** Enables running Windows from the device.

- **Auto Sleep:** Conserves power by automatically entering sleep mode.

- **Safely Removal:** Ensures data integrity during disconnection.

- **Firmware Updater:** Allows for easy updates to the device's firmware.

- **Bootable VHD:** Supports booting virtual hard disk images as physical drives.

- **USB Type C Connectivity:** Modern and reversible USB-C interface for fast data transfer.

- **Next Generation Model:** The IODD2531 is an advanced model in the iodd series.

Setup Guide

1. Installing a 2.5-inch Drive

The iodd ST300 is compatible with 2.5-inch SATA HDDs or SSDs (up to 7mm thickness). Follow these steps to install your drive:

1. Gently slide open the enclosure cover.

2. Align your 2.5-inch SATA HDD/SSD with the internal connector.

3. Carefully push the drive into the connector until it is securely seated.

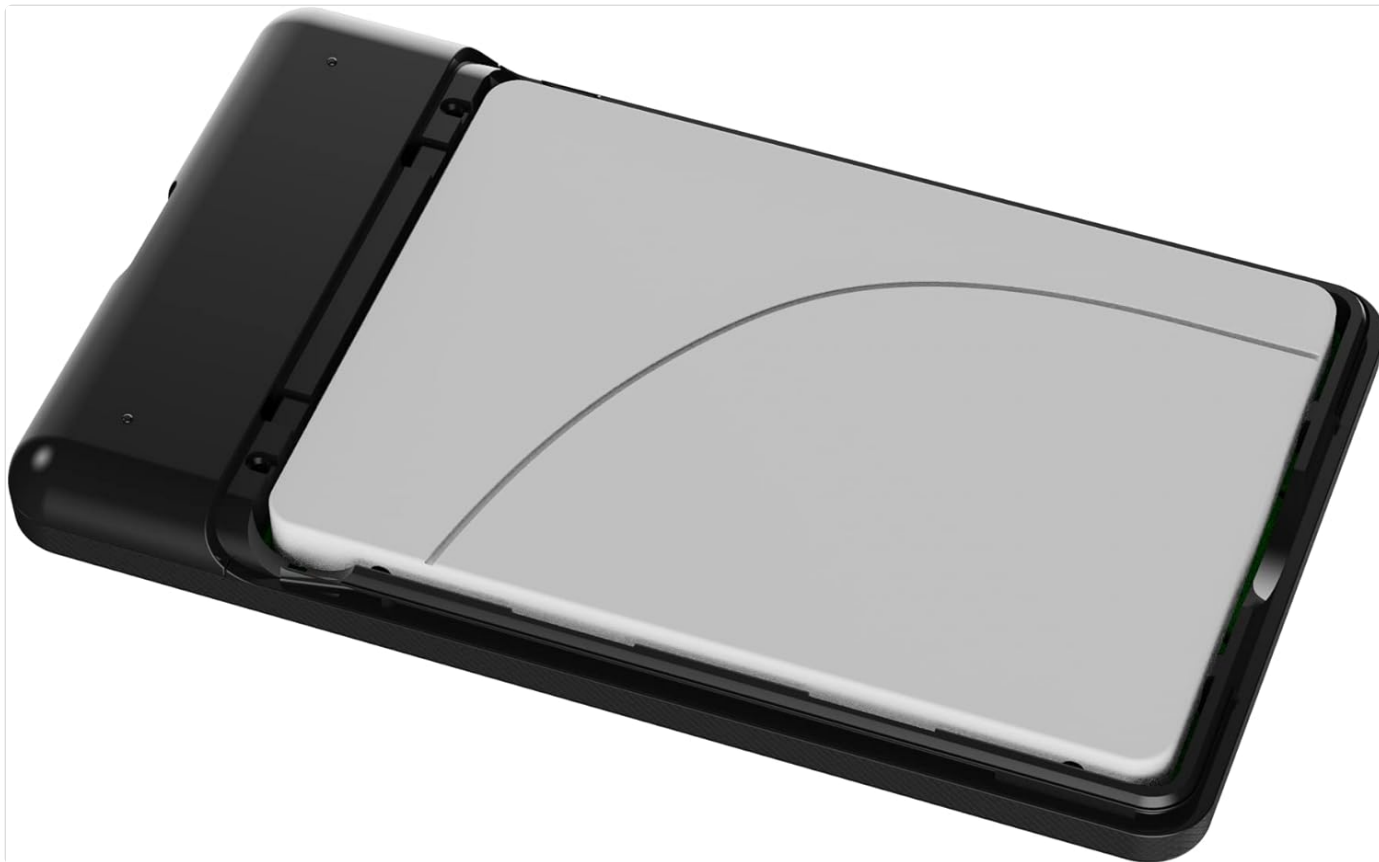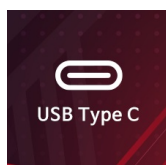4. Close the enclosure cover, ensuring it clicks into place.

Figure 2: Installing a 2.5-inch drive into the iodd ST300.

2. Connecting to Your Computer

Use the provided USB-C cable to connect the iodd ST300 to your computer. The device will be recognized as an external storage device.

Figure 3: USB Type-C port for connecting the iodd ST300.

The iodd ST300 features a modern USB Type-C interface for reliable and fast connections.

3. Initializing and Formatting the Drive

Before use, the installed drive may need to be initialized and formatted. Refer to your operating system's disk management tools for this process. For optimal compatibility, exFAT or NTFS file systems are recommended.
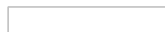
OPERATING INSTRUCTIONS

1. Virtual ODD (Optical Disc Drive) Functionality

The iodd ST300 can emulate an optical disc drive, allowing you to boot from ISO files. This is particularly useful for operating system installations or recovery tasks.

1. Copy your desired ISO files to the root directory of the iodd ST300's internal drive.
2. Use the device's keypad and screen to navigate to the ISO file you wish to mount.
3. Select the ISO file to mount it. The device will then appear as a virtual ODD on your computer.

Figure 4: Navigating and selecting ISO files on the iodd ST300.

The iodd ST300 supports bootable virtual drives for various applications.

Bootable virtual drives are compatible with both UEFI and legacy systems.
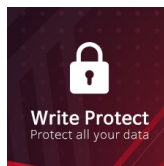
2. Virtual HDD (Hard Disk Drive) Functionality

The device also supports mounting VHD (Virtual Hard Disk) files, allowing you to use virtual disk images as if they were physical drives. This is useful for testing environments or specialized software.
For creating and managing VHDs, it is recommended to use the iodd Admin Manager software, especially for fixed VHDs, as some users have reported fragmentation issues with Windows Disk Management.

3. Write Protect Blocker

Activate the write protect feature to prevent any data from being written to the internal drive. This is crucial when connecting to potentially infected systems or for forensic analysis.

The write protect feature safeguards your data.

4. Admin Manager and Multi-User Support

The iodd ST300 features an Admin Manager for advanced configuration, including password protection and user permissions. This allows for secure multi-user environments, where up to 5 users can have separate passwords and permissions for a single device.
The Admin Manager software facilitates easy management of password configuration files and allows for instant application of user profiles.

Multi-user support with Admin Manager.

Save and manage your configurations easily.

5. Official Product Video

Watch the official product video for a visual demonstration of the iodd ST/LK series features, including virtual drive functionality, encryption, and admin management.

Your browser does not support the video tag.

Video 1: IODD ST/LK series overview and feature demonstration.

MAINTENANCE

To ensure the longevity and optimal performance of your iodd ST300, consider the following maintenance tips:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or humidity.
- Always use the "Safely Remove Hardware" option before disconnecting the device from your computer to prevent data corruption.
- Regularly check for and install firmware updates to ensure the latest features and bug fixes.

Regular maintenance ensures optimal device performance.

TROUBLESHOOTING

If you encounter issues with your iodd ST300, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not recognized by computer.	Loose cable connection, driver issue, or insufficient power.	Ensure USB-C cable is securely connected. Try a different USB port or cable. Check device manager for driver issues. If using a long cable or unpowered hub, try a shorter cable or powered hub.
Cannot boot from ISO/VHD.	ISO/VHD file corruption, incorrect file placement, or BIOS/UEFI settings.	Verify the integrity of the ISO/VHD file. Ensure it's in the root directory. Check your computer's BIOS/UEFI settings to ensure USB booting is enabled and the iodd device is prioritized. Some systems may require a powered USB hub for stable booting.
"Defrag" error message.	Internal drive fragmentation, especially with VHD files.	Defragment the internal drive of the iodd ST300 using your operating system's disk defragmenter. For VHDs, consider recreating them using the iodd Admin Manager.
Device enters sleep mode unexpectedly.	Auto-sleep feature enabled, or power instability.	Adjust auto-sleep settings on the device if available. Ensure a stable power supply from the USB port.

SPECIFICATIONS

Detailed technical specifications for the iodd ST300 (Model: 2531).

Attribute	Detail
Brand	iodd
Model Number	2531
Hardware Platform	PC, Laptop
Operating System Compatibility	Windows, Linux
Item Weight	7 ounces
Product Dimensions (LxWxH)	2.5 x 0.28 x 0.28 inches
Hardware Interface	USB, USB Type C, USB 2.0
Supported Drives	SATA3/2*, 2.5inch 7mm
Virtual Drive (Bootable ISO/VHD Emulation)	Yes

Attribute	Detail
AES256 Encryption	Max up to 76 digits
Admin mode	Yes
2nd Password (Anti-Bruteforce)	Yes
Write Protection	Yes
LCD Display	128x160RGB TFT
Control Interface	Tact-Switch 12keys
Multilingual	Yes

Figure 5: IODD Series Model Comparison, highlighting ST300 features.

WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official iodd website or the comprehensive User Guide (PDF) provided with your product.
You can download the official User Guide (PDF)here.