

**iodd IODD\_MINI**

# iodd ST400 (512GB SSD) External Enclosure

## USER MANUAL

Comprehensive guide for setup, operation, and maintenance of your iodd ST400 device.

### Product Overview

The iodd ST400 is a versatile 2.5-inch external enclosure designed to house an SSD, offering advanced functionalities beyond standard external drives. It features bootable virtual ODD (Optical Disc Drive) and HDD (Hard Disk Drive) capabilities, AES256 encryption for data security, and a built-in offline TXT viewer. This device is ideal for IT professionals, system administrators, and users requiring secure and flexible data management solutions.

### Key Features:

- AES256-XTS 76 Digits Encryption for robust data protection.
- Recognized as Bootable ODD (DVD, Blu-ray Rom) for booting from ISO files.
- Bootable Virtual HDD (VHD) and FDD (Floppy Disk Drive) support.
- Write Protect Blocker to prevent accidental data modification.
- Windows To Go (Win2Go) compatibility for portable operating systems.
- AutoSleep function for power efficiency and Safely Removal for secure disconnection.
- SuperSpeed USB 3.1 Gen 1 (USB-C Type) for fast data transfer.
- Embedded Offline TXT Viewer for secure text file access.

### Setup and Initial Configuration

#### 1. Installing the SSD:

1. Carefully open the iodd ST400 enclosure.
2. Insert your 2.5-inch SATA SSD into the designated slot, ensuring proper alignment with the connector.
3. Secure the SSD within the enclosure, typically with provided screws or clips.
4. Close the enclosure securely.

#### 2. Connecting to a Computer:

- Connect the iodd ST400 to your computer using the supplied USB-C cable.
- The device will power on and display the main menu on its screen.

### 3. Initial Drive Preparation:

- For first-time use, the internal SSD may need to be formatted. Access Disk Management (Windows) or Disk Utility (macOS) to initialize and format the drive.
- Create partitions as needed for storing ISO files, VHDs, and other data.

## Operating Instructions

### Device Interface and Navigation:

The iodd ST400 features a small display screen and a numeric keypad for navigation and input. Use the arrow keys (typically 2, 4, 6, 8) to navigate menus, '5' for selection, and '0' for back/cancel. Specific button functions may vary based on context.



*The iodd ST400 features a clear display screen showing mounted ISO and VHD files, along with a numeric keypad for navigation and password entry. The screen indicates various virtual drive types and file paths.*

### 1. Virtual ODD (Optical Disc Drive) Function:

This feature allows the iodd ST400 to be recognized by a computer as a physical CD/DVD/Blu-ray ROM drive. You can mount ISO image files directly from the device's internal storage, making it ideal for installing operating systems or running live environments without physical discs.

1. Copy your desired .iso files to the internal storage of the iodd ST400.
2. On the device's screen, navigate to the folder containing your .iso files.

3. Select the .iso file you wish to mount. The device will then present itself as an optical drive to the connected computer.
4. To unmount, select the currently mounted ISO or navigate to the unmount option on the device.

## 2. Virtual HDD (Hard Disk Drive) Function:

The iodd ST400 can emulate up to four virtual hard drives simultaneously from VHD or VMDK files. This is useful for booting various operating systems (e.g., Windows To Go, Linux) or for creating isolated work environments.

1. Create .vhd or .vmdk files using appropriate software (e.g., Disk Management in Windows, or dedicated VHD tools).
2. Copy these virtual disk files to the internal storage of the iodd ST400.
3. On the device, navigate to the virtual HDD menu and select the .vhd/.vmdk file(s) you wish to mount.
4. The connected computer will recognize these as physical hard drives or removable drives.

## 3. AES256 Encryption and 2nd Password Feature:

The iodd ST400 provides robust AES256-XTS encryption with support for up to 76-digit passwords. It also includes a unique '2nd password' feature to prevent brute force attacks, enhancing data security significantly.

1. To enable encryption, access the security settings menu on the device.
2. Set your primary encryption password.
3. Configure the '2nd password' feature. This password, when paired with the device, adds an extra layer of protection against unauthorized access, especially if the encrypted drive is cloned.
4. Ensure you remember both passwords, as data recovery without them is not possible.

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*This video demonstrates the security features of the iodd ST400, including its AES256 encryption and the '2nd password' feature designed to prevent brute force attacks. It also showcases the embedded offline TXT viewer, allowing secure viewing of text files directly on the device.*

## 4. Write Protect Blocker:

This function allows you to enable or disable write protection for the mounted drives, preventing accidental deletion or modification of data. This is particularly useful when working with sensitive system files or during virus scanning.

- Access the 'Write Protect' option in the device's menu.
- Toggle the setting to 'Enable' or 'Disable' as required.

## 5. AutoSleep and Safely Removal:

- **AutoSleep:** The device automatically enters a sleep mode after 10 minutes of inactivity to conserve power and extend drive lifespan.
- **Safely Removal:** Use the dedicated hotkey on the device to spin down the internal HDD/SSD before disconnecting it from the computer, ensuring data integrity.

## 6. Embedded Offline TXT Viewer:

The iodd ST400 includes an offline TXT viewer, allowing you to securely view text files directly on the device's screen without connecting to a computer. This is useful for storing and accessing sensitive information like passwords or serial numbers securely.

- Copy .txt files to the internal storage of the iodd ST400.
- Navigate to the TXT viewer function on the device.
- Select the desired .txt file to view its content on the device's screen.

## Maintenance and Care

- Keep the device clean by wiping it with a soft, dry cloth. Avoid liquid cleaners.
- Store the iodd ST400 in a cool, dry place away from direct sunlight and extreme temperatures.
- Regularly check the manufacturer's website for firmware updates to ensure optimal performance and security.
- Handle the device with care to prevent physical damage, especially to the screen and keypad.

## Troubleshooting Common Issues

Problem	Possible Cause	Solution
Device not recognized by computer.	Loose USB connection, faulty cable, driver issue.	Ensure USB cable is securely connected. Try a different USB port or cable. Restart your computer.
Cannot boot from virtual drive (ISO/VHD).	Incorrect boot order in BIOS, corrupted ISO/VHD file, virtual drive not properly mounted.	Check your computer's BIOS/UEFI settings to ensure the iodd ST400 is set as a boot device. Verify the integrity of your ISO/VHD files. Ensure the virtual drive is correctly mounted on the iodd device.
Encryption password not accepted.	Incorrect password entry, '2nd password' feature active.	Double-check your password. If the '2nd password' feature is enabled, ensure you are entering the correct sequence or password. Refer to the encryption section for details.
Slow data transfer speeds.	Using a USB 2.0 port, cable issue, drive fragmentation.	Ensure you are connected to a USB 3.0/3.1 port. Use the original or a high-quality USB-C cable. Defragment the internal SSD if necessary (though less common for SSDs).

## Technical Specifications

Feature	Detail
Model	IODD_MINI (ST400 Series)
Storage Capacity	512 GB Solid State Drive (internal)
Interface	USB 3.1 Gen 1 (USB Type-C)
Encryption	AES256-XTS (up to 76 digits)
Virtual Drive Support	Virtual ODD (ISO), Virtual HDD (VHD, VMDK), Virtual FDD

Feature	Detail
Operating System Compatibility	Windows 7 and later, Mac OS X 10.0 Cheetah and later, Linux
Dimensions (LxWxH)	3.54 x 1.57 x 0.35 inches
Weight	3 ounces
Power Source	DC +5V USB power

## Warranty Information and Support

The iodd ST400 comes with a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official iodd website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or to inquire about service, please contact iodd customer support through their official website. Keep your purchase receipt and product serial number handy when contacting support.

Additional resources, including updated drivers and firmware, may be available on the iodd support page.