



Manuals.plus /

› IO CREST /

› IO CREST Syba SY-ENC50104 4 Bay 3.5" SATA III HDD Non-RAID Enclosure Instruction Manual

IO CREST SY-ENC50104

IO CREST Syba SY-ENC50104 4 Bay 3.5" SATA III HDD Non-RAID Enclosure Instruction Manual

Model: SY-ENC50104

1. INTRODUCTION

The IO CREST Syba SY-ENC50104 is a 4-bay external enclosure designed for 3.5-inch SATA I/II/III hard disk drives. It provides a convenient solution for expanding storage capacity without RAID functionality, allowing individual recognition of each installed drive. This enclosure supports up to four hard drives, with each drive capable of up to 24TB capacity. It features dual eSATA and USB 3.0 interfaces for high-speed data transfer.



Figure 1: Front view of the IO CREST Syba SY-ENC50104 4 Bay Enclosure.

Key Features:

- Supports up to four 3.5" SATA I/II/III HDDs.
- Individual drive recognition (Port-Multiplier mode).
- Maximum capacity of up to 24TB per drive.
- Dual eSATA and USB 3.0 external interfaces for data transfer speeds up to 6Gbps (eSATA) and 5Gbps (USB 3.0).
- Forced convection cooling with an adjustable fan (low, high, auto settings).
- No A/C adapter required; direct DC power connection.
- Compatible with Microsoft Windows (10/8/7/Vista/XP/Server 2016/2012/2008/2003), Apple OSX (10.9+/10.8/10.7/10.6), Linux, and Google Chrome OS.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- (1) 4 Bay Enclosure
- (1) eSATA Cable
- (1) Power Cable

- (16) Screws
- (1) Screw Driver
- (1) USB Cable



Figure 2: Included accessories: enclosure, cables, screws, and screwdriver.

3. SETUP

3.1 Hard Drive Installation

1. Gently pull the handle of an empty drive tray to slide it out of the enclosure.
2. Place your 3.5" SATA HDD into the tray. Ensure the SATA connectors on the drive align with the tray's connectors.
3. Secure the hard drive to the tray using the provided screws and screwdriver.
4. Slide the loaded drive tray back into the enclosure until it clicks into place.
5. Repeat for additional hard drives.



Figure 3: Illustration of hard drive installation into a tray.

3.2 Connecting to Your Computer

The enclosure offers both USB 3.0 and eSATA connectivity. Choose the interface that best suits your system's capabilities.

1. Connect the provided power cable to the enclosure's AC 100-240V port and then to a power outlet.
2. Connect either the USB 3.0 cable or the eSATA cable from the enclosure to the corresponding port on your computer.
3. Ensure your motherboard's SATA port supports Port Multiplier if connecting via eSATA and expecting

multiple drives to be recognized individually.



Snap-on Trays Design

Built-in fixing plates on both sides to firmly secure the hard disk, and the double-arc cushions provide extra layer protection against severe shocks from rough handling, transportation or field operation.



Figure 4: Rear panel with power, eSATA, and USB 3.0 connections.

3.3 Video Guide: Installation and Connection

Your browser does not support the video tag.

Video 1: A step-by-step guide on how to install hard drives and connect the enclosure to your system.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

After connecting all necessary cables, press the power button on the front of the enclosure to turn it on. The power indicator light will illuminate. To power off, press the power button again.

4.2 Drive Recognition

Once powered on and connected to your computer, the operating system should automatically detect the installed hard drives. Each drive will appear as an independent storage volume. If drives are not immediately recognized, ensure all cables are securely connected and the enclosure is powered on.

4.3 Fan Speed Adjustment

The enclosure features an adjustable cooling fan to maintain optimal operating temperatures for your hard drives. Use the fan speed switch on the rear panel to select between 'Low', 'High', or 'Auto' settings. The 'Auto' setting will adjust fan speed based on internal temperature.

4.4 Data Transfer

Utilize the USB 3.0 or eSATA connection for high-speed data transfer. USB 3.0 offers speeds up to 5Gbps, while eSATA can reach up to 6Gbps, facilitating quick and efficient file management.

5. MAINTENANCE

- Keep the enclosure in a well-ventilated area to ensure proper airflow for cooling.
- Regularly check the fan for dust accumulation and clean as necessary to maintain efficient cooling.
- Avoid exposing the enclosure to extreme temperatures, humidity, or direct sunlight.
- Handle the enclosure and hard drives with care to prevent physical damage.

6. TROUBLESHOOTING

- **Drives Not Detected:**
 - Ensure the enclosure is powered on and the power cable is securely connected.
 - Verify that the USB 3.0 or eSATA cable is firmly connected to both the enclosure and the computer.
 - If using eSATA, confirm your computer's motherboard supports Port Multiplier for individual drive recognition.
 - Check that hard drives are correctly seated in their trays and the trays are fully inserted into the enclosure.
 - Test with a different USB or eSATA cable, or a different port on your computer.
- **Slow Data Transfer:**
 - Ensure you are using a USB 3.0 port on your computer for optimal USB speeds. Older USB 2.0 ports will result in slower transfers.

- Verify the integrity of your USB or eSATA cable. A damaged cable can reduce performance.
- Check your computer's drivers for the USB or eSATA controller.
- **Overheating:**
 - Ensure the enclosure is placed in an area with adequate ventilation.
 - Set the cooling fan to 'High' or 'Auto' mode using the switch on the rear panel.
 - Clean any dust from the fan and ventilation grilles.

7. SPECIFICATIONS

Feature	Specification
Model Number	SY-ENC50104
Brand	IO CREST
Material	Metal
Hard Disk Form Factor	3.5 Inches
Max Number of Supported Devices	4
Memory Storage Capacity (Per Drive)	Up to 24TB
Data Transfer Rate (USB 3.0)	5Gbps
Data Transfer Rate (eSATA)	6Gbps
Compatible Devices	Laptop, PC
Operating System Support	Windows, macOS, Linux, Chrome OS
Item Weight	7 Pounds
Product Dimensions	10.25"L x 5.25"W x 8"H

8. WARRANTY AND SUPPORT

Specific warranty information for the IO CREST Syba SY-ENC50104 enclosure is not provided in the product details. Please refer to the manufacturer's official website or contact their customer support for detailed warranty terms and technical assistance.