



Saphire 1:1 Duplicator (SHDUESA)

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Technical Support

If you need any assistance to get your unit functioning properly, please have your product information ready and contact Addonics Technical Support at:

Hours: 8:30 am - 6:00 pm PST

Phone: 408-453-6212

Email: <http://www.addonics.com/support/query/>

I. HDD Duplicator Overview

Note: Make sure that the capacity of the target hard disk is equal or larger than the source hard disk.



Step 1

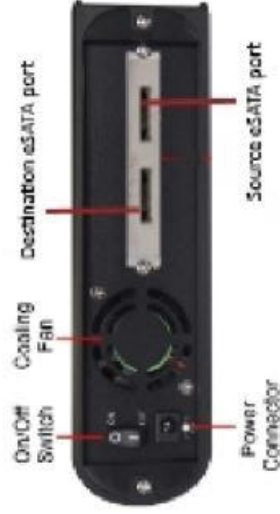
Connect the **Source drive** into the source eSATA port at the back of the HDD Duplicator. Make sure that the source eSATA drive is powered on.

Step 2

Connect the **Target drive** into the target eSATA port at the back of the HDD Duplicator. Make sure that the target eSATA drive is powered on.

II. Connecting the power cable and powering on

- a. Attach the power adapter that comes with the unit to the power connector on the back of the unit.
- b. A power switch is located at the back of the enclosure. Push the switch to the ON position



NOTE: This function scans the entire disk before proceeding. Providing a drive that is as small as possible is strongly recommended.

9-04. Compare Firmware

Used to confirm correct firmware. Connect a drive formatted as FAT containing one partition with the firmware file in the root directory.

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9-05. Quick Erase HDD

Scans the ports, then quickly erases all sectors on all connected drives.

9-06. HW Diagnostic

Starts comprehensive tests for LCD, SDRAM, HDD ports, and Flash memory.

9-07. Load Default

Resets all configuration settings to default.

9-08. Link Option

Enables USB Mode option on the Main Menu. This feature is not supported. Default setting is ON.

9-09. USB Auto-Link

Automatically enables USB Mode. This feature is not supported. Default setting is ON.

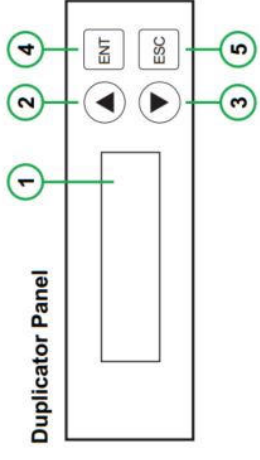
9-10. COPY HPA

Enables copy functions to duplicate the source drive's Host Protected Area. Normally this area is defined as not available to a host controller as defined by ATA/SATA specifications.

The Duplicator Panel

There are four buttons and an LCD on the panel of HDD Duplicator.

1. LCD shows a function or a message.
2. Use to scroll up function menus.
3. Use to scroll down function menus.
4. Use to execute a function.
5. Use to cancel a function.



Quick Start

By default, the duplicator will initialize, scan for drives and offer the copy function. Insert the source and target drives, power up the unit, wait for the copy function to appear, then press ENT.

Canceling Functions

When selection menu options, canceling is done by pressing ESC. When the unit is busy performing an operation such as copy, verify, or overwrite, the operation can be canceled by holding the ESC button until the unit beeps.

Duplicator Functions

The duplicator has three menu sections: The Main menu, Setup Options, and Advanced Setup Options. Setup Options is accessed through the Main menu. Advanced Setup Options is accessed by holding the ESC button from any other menu until the unit beeps.

When the duplicator completes some of the functions it will record a log of the most recent activity. Select VIEW LOG to review the latest function's results.

Main Menu:

1. Copy HDD

Scans the ports, then copies from the source to any targets found.

2. Compare HDD

Scans the ports, then any targets found will be compared to the source.

3. PreScan Source

Reads all blocks on the source drive to confirm no I/O errors are encountered.

4. ReScan BUS

Manually scans all ports and reports how many units were found.

5. Source Size

Examines the source drive and reports total space and space used, if drive contains compatible partitions. Press up/down to change display, ESC to exit.

6. Setup

Enters the Setup menu. See Setup Options for details.

7. USB Mode

Not supported.

8. Fast Copy

When this setting is ON, the duplicator will attempt to copy the source drive's contents instead of the entire disk. Also controls Compare function. Default setting is OFF.

NOTE: Target drive size is still required to be equal to or greater than source. Only works with source drives formatted using Master Boot Record. If the source drive has a boot record other than MBR, the entire disk will be copied as if Fast Copy were OFF. If the source drive is formatted with a Master Boot Record and contains only FAT32 or NTFS partitions, identical partitions will be created on the target(s) and only the files will be copied. If the source drive with MBR format includes partitions other than FAT32 or NTFS, all sectors of all partitions (including FAT32 and NTFS) will be duplicated.

Enabling Fast Copy may not produce bootable duplicates.

9. Adv Setup

Enters Advanced Setup Options menu. Only available when holding ESC on any main menu option. See Advanced Setup Options.

Setup Options:

6-01. Language

Use this option to select the language of the system, currently only English is supported.

6-02. Copy Size

Controls how much of the source drive to use for copy operations, in percentage. Default setting is ALL (100%).

6-03. Startup Menu

Sets the first menu option to appear after boot. Default setting is Copy HDD.

6-04. Auto Compare

Controls whether or not targets are compared automatically when copy is complete. Default setting is OFF.

6-05. Copy with Size

Causes duplicate drive to report to an operating system the exact same total size as source when copy is complete. Works only on drives formatted using a Master Boot Record. Default setting is OFF.

6-06. Button Sound

Enables audible beep when pressing buttons. Default setting is ON.

6-07. Device Info

Displays information about connected drives. Main display is drive manufacturer and size. Press up/down to select drives, ENT to display model number and firmware revision of selected drive.

6-08. System Info

Displays firmware version and date.

Advanced Setup

9-01. Detect HDD Delay

Sets delay between attempts to detect disk connection or disconnection. Default setting is 4 seconds.

9-02. Read Error Skip

Sets whether a sector or block may be skipped if a read error occurs on the source drive. Default setting is OFF.

9-03. Update Firmware

Used to apply firmware updates. Connect a drive formatted as FAT containing one partition with the firmware file in the root directory.