



User Guide



Acknowledgements

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Box Contents

- 1 **EzCOPY™** unit
- 1 **EzRAID™** Application CD
- Quick Start Guide
- 1 Null modem cable
- 1 Extension power cable
- 6 Mounting Screws

User Guide

- Place the **EzCOPY** on a leveled surface.
- If necessary, unlock the drive caddies using the keys provided, then pull on the caddy handles to remove the two caddies from the **EzCOPY**.
- Be sure to install the “Source” or Master drive into the “Source” slot on the **EzCOPY** unit.
- Install your “Target” or Destination drive into the other drawer and insert it into the “Target” slot. **Make sure the additional SATA hard drive is equal to or greater than the capacity of the original drive.** Lock the drawers.
- Attach the AC power cord to the **EzCOPY** unit and plug it into an available outlet and power the unit ON.

Configuring the EzCOPY unit

Before You Begin

During the configuration use either of the Blue buttons adjacent to the LCD to select the options displayed on the LCD.

The **DD4 EzCOPY** ships with default parameters. The parameters can be customized to suit user’s needs. The options are as follows:

Setting Percent to Copy

Selecting “*Next*” at the “*Copy Drive*” prompt will prompt you to “*Set Copy Percent*”. Press “*Select*” to set copy percent:

Set Copy Percent allows the user to change the percent of the **Source** drive to be copied to the **Target** drive. **We recommend always performing 100% copy. 100% is the default setting.** Press “select” at the prompt. Two options will appear on the screen: “*Inc*” and “*Save*”. Use the “*Inc*” option to change the percent. Once the percent desired is reached, press “*Save*”.

Setting Copy Type

Selecting “*Next*” at the “*Set Copy Percent*” prompt will prompt you to “*Copy Type*”. Press “*Select*” to set copy type:

Copy Type allows the user to choose the method of copying the drives. The options available are as follows:

Full - Allows the user to copy the **entire** hard drive, independent of the quantity of useful data found on the drive - default

Used Block (For Windows only) - Allows the user to copy only the part of the drive that contains useful data. This method typically results in a much faster copy.

Setting Source Drive

Selecting “*Next*” at the “*Copy Type*” prompt will prompt you to “*Source Drive*”. The only option available is Serial.

Setting Target Drive

Selecting “*Next*” will prompt you to “*Target Drive*”. The only option available is Serial.

Setting Transfer Mode

Selecting “*Next*” at the “*Target Drive*” prompt will prompt you to “*Transfer Mode*”.

Setting Transfer Mode allows the user to change the data transfer rate between the drives. The options available are as follows:

UDMA - (default) In this mode, 256 sectors are transferred at a time.

PIO - Some drives will not tolerate UDMA transfer rate. In this case change the transfer mode to this mode.

Selecting “*Next*” at the “*Transfer Mode*” prompt will prompt you to “*Firmware View*”.

Setting HPA (Host Protected Area) Copy

Selecting “*Next*” at the “*View Firmware Rev.*” prompt will prompt you to “*View FPGA Rev.*” prompt. Selecting “*Next*” at the “*View FPGA Rev.*” prompt will prompt you to “*BIOS Upgrade*” prompt. Selecting “*Next*” at the “*BIOS Upgrade*” prompt will prompt you to “*HPA Copy*”.

HPA Copy allows the user to choose whether or not an HPA copy will take place. The options available are “*YES*” on “*NO*” (default).

Copying Drives

- The LCD will prompt you to “Copy Drive”. Before you proceed, make sure **copy percent is set to 100%**. Then choose “Select” to start the COPY process.
- Make sure the LCD reads “Copy In Progress”, the copy percentage is progressing and the size of the source drive is correct.

Note: You can interrupt **ONLY** the **FULL** copy process at any time by pressing the “Stop” button. **We recommend always performing 100% COPY.**

Firmware Upgrade

To perform a firmware upgrade, you will need to install our application on a different PC with Windows® O/S and connect the EzCOPY unit via serial (RS232) port. Connect the male side of included null modem cable to the back of the EzCOPY unit. Then connect the female side of the null modem cable to your PC serial port.

IMPORTANT: Before running the application, use the Blue buttons adjacent to the LCD to scroll to “Bios Upgrade” prompt. Selecting “*Select*” at the “BIOS Upgrade” prompt will prompt you to “Turn EzCopy OFF/ON when Upgrade is done”.

Run the application. On menu items go to Edit and choose Preferences. Check the box next to “Search My Serial Port”. Press next and exit the program. Re-run the application again.

There are two ways to upgrade the firmware on your DupliDisk™ application:

1. If the PC (where the DupliDisk™ application is installed) does not have a web connection, visit our web site (from a different computer) at: <http://www.arcoide.com/content.aspx?PageId=295> and download the latest firmware upgrade and copy the file to the PC (where the DupliDisk™ application is installed) and then follow these instructions:
 - Right click on the EzCopy image and select Upgrade Firmware.
 - Choose **Local Disk**.
 - Browse to the location where the firmware upgrade was copied.
 - You will be prompted to click “**OK**” to upgrade the firmware:

Firmware Upgrade (Continued)

Note: If you stop the upgrade before completion, the process will be cancelled and your firmware will revert back to the base code or your last upgrade version.

- Once you have clicked “OK” then the application will proceed with the firmware upgrade. The firmware upgrade will then proceed through several stages, as indicated on the screen.
 - You will then get a message saying “Firmware Upgrade Completed Successfully” and you will be prompted to choose to shut down the system. Please select “NO”.
 - In order for the upgrade to take effect, you will need to power down your EzCopy unit and start it up again.
 - You can now resume to normal operation.
2. If you have a web connection available, you can perform an upgrade directly from the DupliDisk™ application as follows:
- Right click on the EzCopy image and select Upgrade Firmware.
 - Choose **DPS website** and EzRAID™ will connect directly to the website and get the latest firmware.
 - You will be prompted to click “**OK**” to upgrade the firmware:

If you stop the upgrade before completion, the process will be cancelled and your firmware will revert back to the base code or your last upgrade version.

- Once you have clicked “OK” then the application will proceed with the firmware upgrade. The firmware upgrade will then proceed through several stages, as indicated on the screen.
- You will then get a message saying “Firmware Upgrade Completed Successfully” and you will be prompted to choose to shut down the system. Please select “No”.
- In order for the upgrade to take effect, you will need to power down your EzCopy unit and start it up again.
- You can now resume to normal operation.

Note: Full manual can be accessed from the help menu within the application or the EzRaid™ application CD.

How to Contact Us

DPS Technical Support:

By telephone	954.925.7347
By facsimile	954.925.2889
By electronic mail	support@EzD2D.com
By mail	3100 North 29th Court Hollywood, Florida 33020 USA
Hours of Support	Monday — Friday 9 AM — 5 PM Eastern Standard Time

In the unlikely event your **EzCOPY™DD4** is in need of repair, you will need to obtain a Return Merchandise Authorization (RMA) number. An RMA number is required before returning the product to DPS. To obtain an RMA number, please have your product serial number handy and call DPS at the telephone number above. Ship the product back to us in its original carton or equivalent with the RMA number, your name, and address on the shipping label.