



# User Guide



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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:

Selecting “*Next*” at the “*Copy Drive*” prompt will prompt you to “*Select 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*”.

Selecting “*Next*” at the “*Set Percent*” prompt will prompt you to “*Copy Drive*”. 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:

Selecting “*Next*” at the “*Copy Type*” prompt will prompt you to “*Source Drive*”. The only option available is Serial. Which allows the user to choose the internal SATA drive as the **Source** drive and performs a copy to the internal SATA Target drive.

Selecting “*Next*” will prompt you to “*Target Drive*”. The only option available is Serial. Which allows the user to choose the internal SATA drive as the **Target** drive.

Selecting “*Next*” at the “*Target Drive*” prompt will prompt you to “*Transfer Mode*”. The options available are as follows:

**UDAM** (default) and **PIO**. This option allows the user to change the data transfer rate between the drives. In UDAM mode, 256 sectors are transferred at a time, some drives will not tolerate such a transfer rate, in the case change the transfer mode to **PIO**.

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

#### **Firmware View**

On the “*View Firmware Rev.*” prompt press “*Select*” to view the firmware revision. Press “*Continue*”.

After pressing “*Continue*”, the “*View FPGA Rev.*” prompt appears. Press “*Select*” to view the FPGA revision. Press “*Continue*” to start “*Copy drives*” prompt.

## 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 the copy process at any time by pressing the “Stop” button. **We recommend always performing 100% COPY.**

- You will be prompted to click “Yes” to upgrade the firmware. The firmware upgrade will then proceed through several stages, as indicated on the screen. **If you stop the upgrade before completion, the process will be cancelled and your firmware will revert back to the base code.**
- You will then get a message saying “Flash Upgrade was Successful”. In order for the upgrade to take effect, you will need to power down your system and start up again.

## Firmware Upgrade

To perform a firmware upgrade, you will need to install the our application on a different PC with Windows® 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 Ez-Copy OFF/ON when Upgrade is done”. At this point, run the application.

There are two ways to upgrade the firmware on your EzRaid application.

If the PC (where the software is installed) does not have a web connection, visit [http://www.ezd2d.com/support\\_downloads.php](http://www.ezd2d.com/support_downloads.php) and download the latest firmware upgrade and then follow these instructions:

- Go to Tools on the toolbar and click on Upgrade Firmware in the dropdown menu.
- A browsing window will open and then choose the firmware upgrade file you downloaded from the Data Protection Solutions website.  
If you have a web connection available, you can perform an upgrade directly from the application as follows:

- Go to Tools on the toolbar and click on Upgrade Firmware in the dropdown menu. The latest firmware will be found by the application using your web connection and you will be asked if you want to upgrade to the latest firmware.
- You will be prompted twice to make sure you want to upgrade the firmware.
- Once you have clicked “Yes” then the application will download the firmware. The firmware upgrade will then proceed through several stages, as indicated on the screen. **If you stop the upgrade before completion, the process will be cancelled and your firmware will revert back to the base code.**

You will then get a message saying “Flash Upgrade was Successful”. In order for the upgrade to take effect, you will need to power down the **EzCopy** unit and turn it back on to resume normal

## Firmware Upgrade (Continued)

If you have a web connection available, you can perform an upgrade directly from the application as follows:

- Go to Tools on the toolbar and click on Upgrade Firmware in the dropdown menu. The latest firmware will be found by the application using your web connection and you will be asked if you want to upgrade to the latest firmware.
- You will be prompted twice to make sure you want to upgrade the firmware.
- Once you have clicked “Yes” then the application will download the firmware. The firmware upgrade will then proceed through several stages, as indicated on the screen. **If you stop the upgrade before completion, the process will be cancelled and your firmware will revert back to the base code.**

You will then get a message saying “Flash Upgrade was Successful”. In order for the upgrade to take effect, you will need to power down the **EzCopy** unit and turn it back on to resume normal

## How to Contact Us

### DPS Technical Support:

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

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.