



Portable USB Duplicator

2 Copy USB Duplicator & Tester



User's Guide

2CUSB

Version 1.2

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I. Product Introduction

1. Overview

EZ Dupe's new compact USB Duplicator will produce up to two mirror image copies of any USB device at lightning fast speed – up to 2GB per minute.

The Checking Capability will determine defective devices & the Capacity Checker enables you to determine the actual capacity of a device. The Speed Measuring function will determine a devices actual read & write speed.

2. Features

- Quick checking function to easily detect defective Flash devices
- Standalone, no PC required
- High data transfer speed up to 2GB/ min
- Compact, lightweight design and user friendly with operation
- Supports multiple Flash devices such as SD, MS, and CF through a qualified USB interface card reader.

3. Package Contents

2CUSB Portable USB Duplicator

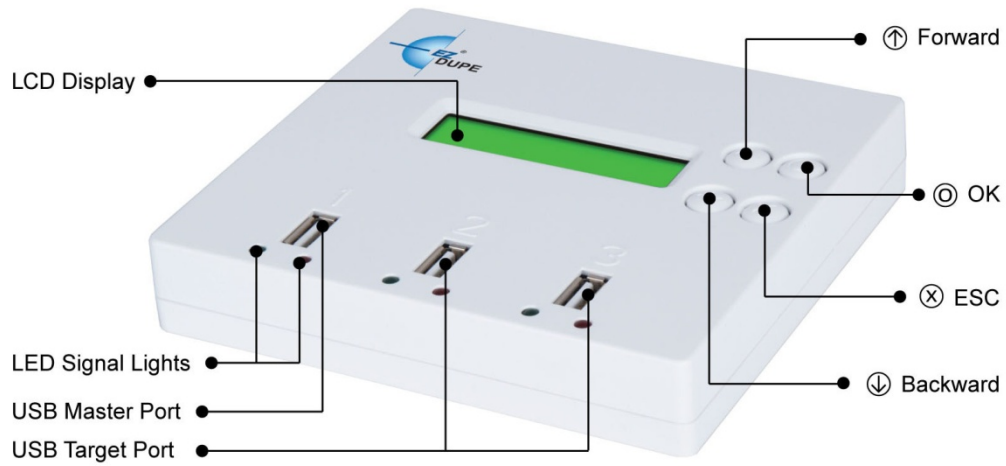


Power Adapter (+5V, 2A)



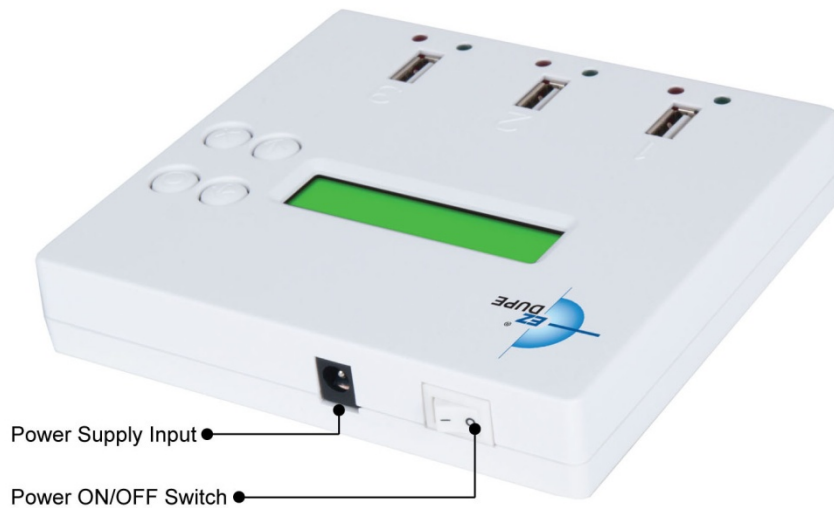
4. Basic Instructions

A. System Overview

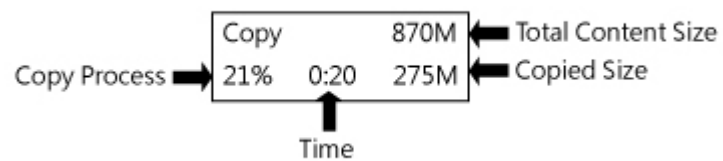


B. Side

Power ON/OFF Switch and Power Supply Input



C. LCD Configuration



5. Function Table

Function	Description
1. Copy	USB/SD/Micro SD/CF Flash copy.
2. Compare	This option makes bit-by-bit comparison between the master source and all other copied flash cards.
3. Copy+Compare	This option will make a copy first and then compare the copied Flash devices with the source immediately after the copy has finished.
4. Utility	
4.1 Device Info.	This function will show the Flash device's general information including capacity, format and data size.
4.2 Chk USB Virus	To check USB VIRUS on Flash devices.
4.3 Capacity Check	To check Flash devices real capacity.
4.4 Format FAT	To execute Flash FAT16/32 format.
4.5 Measure Speed	To measure Flash device's read and write speed.
4.6 Erase Content	To quickly erase the contents on a Flash device (support FAT format).
4.7 System Info.	To check the firmware version.
4.8 System Update	To update the firmware via USB.
5. Setup	
5.1 Copy Area	To set copy area.
5.1.1 Only Data Area	To detect the format FAT16, 32/NTFS/Linux (Ext2, Ext3) and directly copy the data area.
5.1.2 Whole Media	To copy the Flash devices whole content including empty space.
5.2 Button Beep	To hear a beep or not when pressing a button.
5.3 Language	Supports English and Japanese

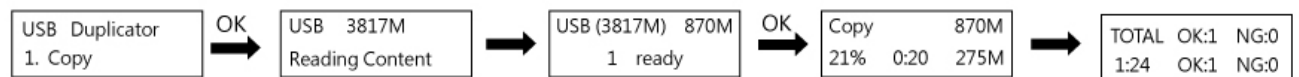
II. Function Introduction

1. Copy

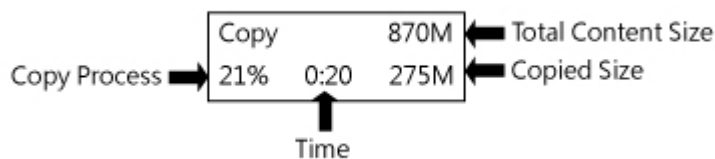
The 2CUSB Portable USB Duplicator copies data from source Flash devices to target Flash devices. The default setting copy area is “Data Only”. If you would like to change the copy area from “Data Only” to “Whole HDD” or “All Partitions”, please refer to function [5.1 Copy Area] to select other copy modes.

Copy steps:

Insert source Flash Device (Master) and target Flash devices into duplicator → Select [1. Copy] → Press [OK] → The LCD will show the number of target Flash devices detected and Press [OK] to start copying → Copy processing → Copy finished → Press [ESC] to finish copy.



In <Data Only> Mode:



****Do not remove any Flash device while it is processing.**

**** It is strongly recommended that the target devices and source (master) have the same capacity.**

**** After copying, the target flash device data and format will be the same as the source flash device. Original data on target flash devices will no longer exist.**

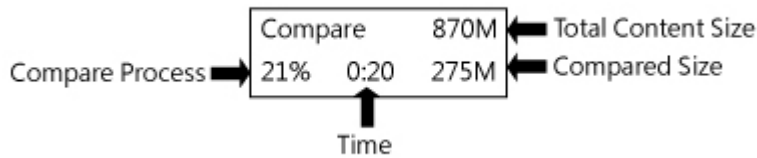
**** When the copying process is in progress, the green LED will flash. When the process has finished the green LED will stop flashing but will remain illuminated. If an error occurs the red LED will illuminate.**

2. Compare

This function is used to check if the data on the source Flash device is identical to the copied Flash devices after duplication.

Compare Steps:

Insert Flash devices into duplicator → Select [2. Compare] → Press [OK] → Compare Processing → Compare finished → Press [ESC] to finish compare.



***Do not remove any Flash device while it is processing.*

*** When the copying process is in progress, the green LED will flash. When the process has finished the green LED will stop flashing but will remain illuminated. If an error occurs the red LED will illuminate.*

3. Copy & Compare

This function first makes a copy and then compares the target Flash devices with the source (master) Flash device to ensure data integrity.

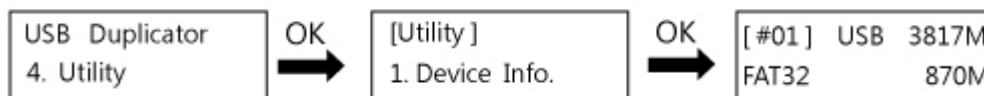
4. Utility

4.1 Device Info.

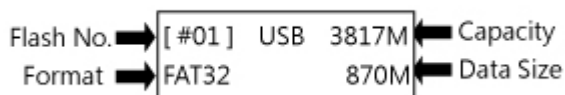
This function displays the Flash device's general information including capacity, format and data size.

Show Flash device's Info. Steps:

1. Insert Flash devices into duplicator → Select [4. Utility] → Press [OK] → Select [4.1 Device Info.] → Press [OK] → System displays the devices info.



2. Press [Forward]/ [Backward] to check other Flash devices' info. → Press [ESC] to finish



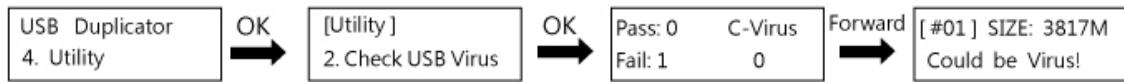
4.2 Check USB Virus

This function quickly helps to check USB Flash devices for any hidden USB VIRUSES.

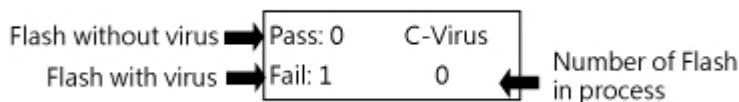
***This function is specially designed for Auto Run USB VIRUS checking only, not for other types of viruses. It can only check to see if the virus is present, but cannot clean or eliminate the virus.*

Show Flash device's USB virus Steps:

1. Insert Flash devices into duplicator → Select [4. Utility] → Press [OK] → Select [4.2 Chk USB Virus] → Press [OK] → System will search for USB Viruses
When red LED is on, it means the system found a potential risk of a USB Auto run virus.



2. Press [Forward]/[Backward] to check other Flash devices' for viruses → Press [ESC] to finish

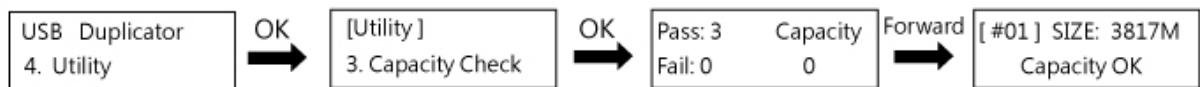


4.3 Capacity Check

This function checks Flash device's real capacity and checks to ensure that the Flash devices work.

Check Flash device's real capacity Steps:

1. Insert Flash devices into duplicator → Select [4. Utility] → Press [OK] → Select [4.3 Capacity Check] → Press [OK] → System analyzes the Flash device's real capacity



2. Press [Forward]/[Backward] to check other Flash devices' real capacity → Press [ESC] to finish

***Capacity check function supports asynchronous operation; you can plug in and pull out Flash devices to check their real capacity continuously without pressing any other buttons.*

4.4 Format FAT

This function formats Flash devices. The system will automatically format the Flash device according to its capacity. If the Flash devices capacity is above 2GB, the system will format the Flash device to FAT32, if the Flash devices capacity is below 2GB, the format will be FAT16. During the format process, you can check each Flash device's formatting status by pressing [Backward]/ [Forward].

***The source (master) port (port #1) does not execute format function.*

Formatting Flash device Steps:

1. Insert Flash devices into duplicator → Select [4. Utility] → Press [OK] → Select [4.4 Format

FAT] → Press [OK] → System formats the Flash devices



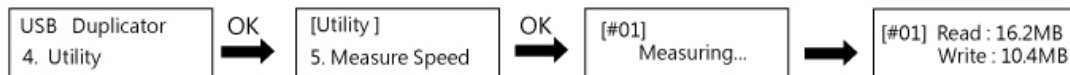
2. Press [Forward]/ [Backward] to check other Flash devices' format status → Press [ESC] to finish.

4.5 Measure Speed

This function measures a Flash device's read and write speed.

Check Flash device's speed Steps:

1. Insert Flash devices into duplicator → Select [4. Utility] → Press [OK] → Select [4.5 Measure Speed] → Press [OK] → System checks the Flash devices speed.



2. Press [Forward]/ [Backward] to check other Flash devices' speed → Press [ESC] to finish.

4.6 Erase Content

This function erases a Flash device's data content, it will not erase Flash FAT16/32 format. If format is not FAT16/32, the quick erase will not execute.

***The source port (port #1) does not execute erase function.*

Erasing Flash device's content Steps:

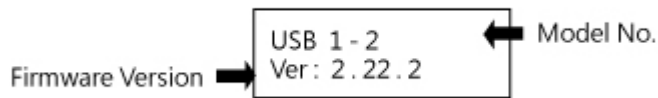
1. Insert Flash devices into duplicator → Select [4. Utility] → Press [OK] → Select [4.6 Erase Content] → Press [OK] → System quickly erases the data on Flash devices



2. Press [Forward]/ [Backward] to check other Flash devices' erasing status → Press [ESC] to finish.

4.7 System Info.

This function shows the basic information of this system, which includes model number and firmware version.



4.8 System Update

This function updates the system's firmware version. Please save an un-zipped update file to your Flash device (DO NOT save the file in a folder). Insert the Flash device in slot (port #1) and select [8 System Update], press [OK], the system will automatically start to update firmware. When it finished, turn the system off for 5 seconds and then turn it on, the new firmware will be upgraded.

5. Setup

5.1 Copy Area

There are two options for copy: Only Data Area and Whole Media.

Only Data Area: This function automatically analyzes the source Flash device's file format. If the format is FAT16, 32/NTFS/Linux (Ext2, Ext3) which is recognizable by the system, it will copy the data only instead of copying the whole Flash device content. If the format is non-recognizable, the system will copy the whole Flash device including empty space. For example a 2GB Flash card which is FAT32 file format and has only 50 MB of data inside; the system will only copy that specific 50MB of data, and will only take a few seconds to copy the source (master) device.

*** The default setting of copy area is "Only Data Area".*

Whole Media: By setting up the duplicator to Whole Media function, the system will copy the whole Flash devices content, including the empty space and format. This function is used when you have a Flash source (master) which has an unknown file format and you don't want the system to be confused by such a format. For example a 2GB flash card which is FAT32 file format and has only 50 MB of data inside; if you setup "Whole Media" the system will copy the whole 2GB of content on your Flash device. It will take much longer to copy the source.

5.2 Button Beep

You can select to hear a beep or not when you press the buttons.

5.3 Language

This function is to setup the language.

III. FAQ

Q1: Can I use 2CUSB to copy other Flash devices such as Micro SD?

A1: Some users may use a USB card reader to copy other types of Flash devices, such as SD, CF, and Memory Sticks etc. Due to the different quality and stability of the USB card readers in the market, a poor-quality card reader may damage the system and the quality of copies. Therefore, it is recommended to copy SD/Micro SD/CF by using a qualified USB card reader.

EZ Dupe's card reader supports all major Flash devices including SD, Micro SD and CF.

Q2: Can I use USB devices with larger capacity that differs from the other devices for duplication in this system? (For example 4GB to 1GB)

A2: To avoid unexpected poor quality data duplication, it is strongly recommended that target and source devices have the same capacity.

Q3: What is the biggest capacity of Flash that 2CUSB can support?

A3: Theoretically, it may support larger capacities. Based on our current tests, the 2CUSB can support flash devices with a capacity of 16GB.

Q4: Can 2CUSB check all kinds of virus?

A4: 2CUSB's check USB Virus function is for checking Autorun Virus only and not for cleaning.

Q5: Can I copy data by USB HDD?

A5: Not recommend to use it for copy of USB HDD. There will be higher failure rate using some hard drives, especially with big capacity. It is highly recommended to use professional hard drive duplicator to make copies of HDD.

VI. Specification

Model	2CUSB	
Target	1:2	
Operation	Stand alone	
Support media	USB1.1 / USB2.0 SD / SDHC / Micro SD / MMC / Mini SD / CF (by USB multimedia card reader)	
Display	2 x 16 Monochrome LCD display	
Control Button	4 push buttons (Forward , Backward, OK, Esc)	
LED	LED(Green/Red) on each slot	
Temperature	Working	5°C~45°C
	Storage	-20°C~85°C
Humidity	Working	20%~80%
	Storage	5%~95%
Power Supply	+5V, 2A	
Copy mode	Only Data Area, Whole media	
Check function	Device Info., Capacity Check, Measure Speed	
Language	English, Japanese	
System Dimension (LxWxH inches)	4.7" x 5.1" x 1"	
<p>* USB multimedia card reader is optional accessory. *This model is for Flash Dupe only, not support USB HDD duplication. *It is strongly recommended to use same capacity Flash disc for duplication. *The above information is for marketing reference only. The actual specification may subject to change without notice.</p>		



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