MOBILE PRO
SD MICRO SD CARD TO HDD
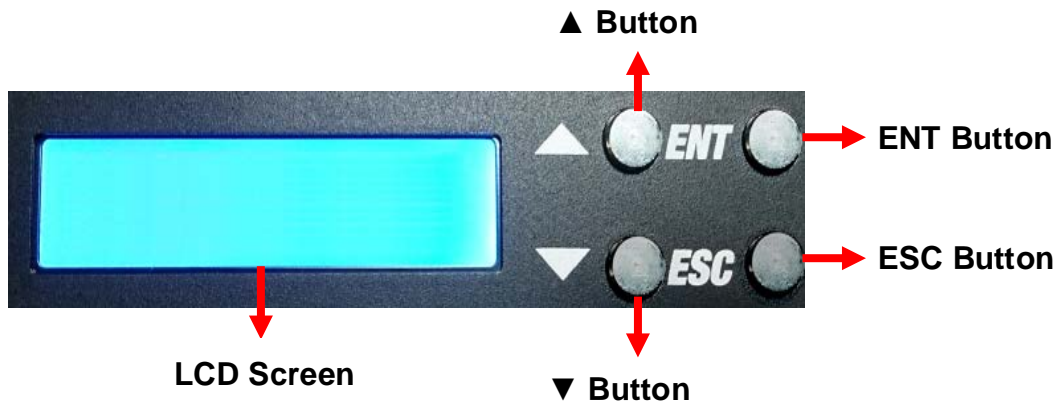# BACK-UP STATION

USER MANUAL

I.   Introduction

Thank you for purchasing this Mobile Pro SD to HDD Backup Station. Mobile Pro SD to HDD Backup Station is an ultra-thin and compact device with light weight of less than 0.5 kg. It is so small to carry around, giving you the better ability for mobile work. Whether videos, photos or other files can be fully backed up from SD card to a hard disk drive (HDD) anytime and anywhere, to ensure that important data is never lost. Compatible with all major brands of SD card, Mobile Pro supports the latest SDXC card specifications as well. Additional feature such as unique source analysis can analyze the SD card contents and intelligently copy only data area to speed up the process time. Total up to 10 SD cards can be backed up simultaneously to a HDD, saving you from copying SD card one by one while achieving higher productivity on the road.

1.   Features

a.   Powered by a power adapter or power bank

b.   User friendly and portable design makes back up of SD cards easily

c.   Light weight, heavy-duty and durable construction

d.   No warm-up or cool-down required

e.   Standalone solution; No computer needed

f.   Real-time display with detailed information

g.   Supports up to10 SD card backup simultaneously

h.   Easily to check the used and available space on the HDD

2. LCD Front Panel Overview

▲ Button

ENT Button

ESC Button

LCD Screen

▼ Button

▲**Button:** *Up, Backward:* To navigate backward in the menu.

▼**Button:** *Down, Forward:* To navigate forward in the menu.

ENT Button: *Enter, OK:* Execute the function.

ESC Button: *Escape, Cancel:* Go back to the previous level in the menu.

3. Specifications

Operating Type	Stand-alone (No PC Required)	
Supported Media	Source	SD, SDHC, SDXC
	Target	2.5" SATA HDD
Supported File System	Source	FAT16/32, exFAT.
	Target	exFAT
Power Requirement	DC 5V/2.1A (Power Bank or Adapter)	
LCD Display	2 x 16 characters (Backlit)	
Buffer Memory	128MB	
Control Button	4 push buttons	
Speed	SD Card reading speed: 25MB/sec HDD writing speed: 150MB/sec	

II. Warning

1. The tasks mentioned in this user's manual are as following: Copy and the functions under Utility sub menu, such as Format HDD 、 Format SD and Media Information.

2. The Green LED flashes during the execution process of a task. After the task is done, the Green LED will stay solid if the process is successful, otherwise the Red LED will be on if the process is failed.

3. Press and hold ESC button during the execution process of a task will stop and exit the execution of the task.

4. DO NOT unplug SD card or HDD from the system during the execution process of a task. It may cause damage to the system and media device.

5. DO NOT plug in SD card until the system boots up. It may cause abnormal results if a SD card with quality issue is plugged in before or during the boot up process.

6. Copy speed is limited by SD card and HDD device themselves. Each SD card and HDD has its own reading and writing speed. If the copy speed is too slow, consider replacing with another type of SD card or HDD.

III. Menu Overview

1. Copy

This function copies the data from all the SD card(s) into the target HDD. Please insert the SD card(s) and target HDD to the Mobile Pro backup station first, and press OK button to start the copy process. User will be asked whether to create a new folder or not on the HDD. Please select **Yes** or **No**, or press ESC button to exit. During the copy process, HDD and SD cards information can be viewed by using the ▲▼ buttons to switch.
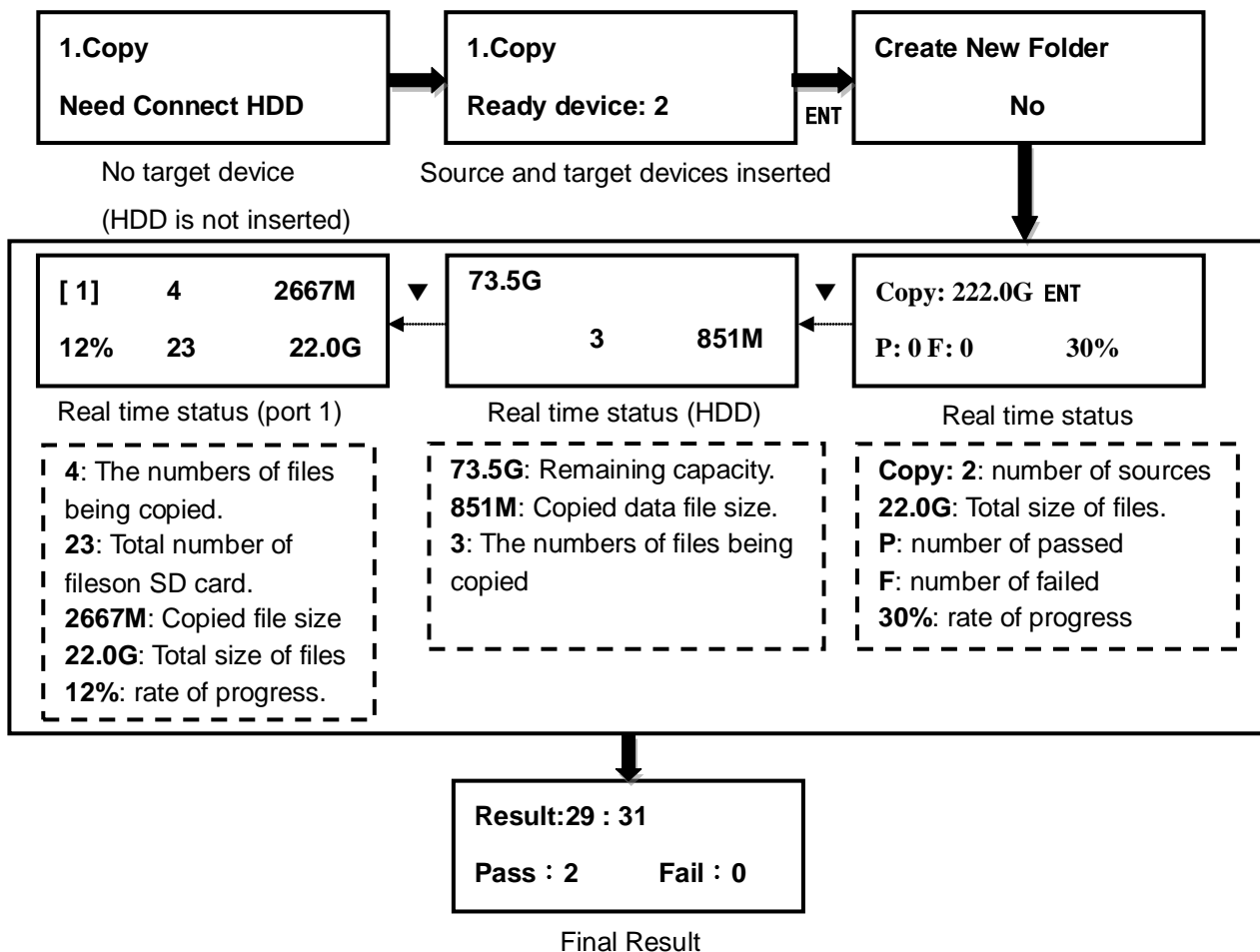
Selecting **Yes:** a new file folder will be created for the copied files. File folder names are PROJ0001, PROJ0002, etc.

Selecting **No:** the copied files will be saved under the previously created file folder (a new file folder will be created if there is no such one created before).

ESC: exit back to main menu.

For example, two SD cards need to be backed up to a HDD. Select **Yes** to create new folder after Copy process starts. System will create a main file folder PROJ0001, and create sub file folders for saving data file under PROJ0001 according to the port number for each SD card. The file folder name is PORT01-0001 for the data copied from the SD card at port 1, and the file folder name is PORT02-0001 for the data copied from the SD card at port 2, etc.
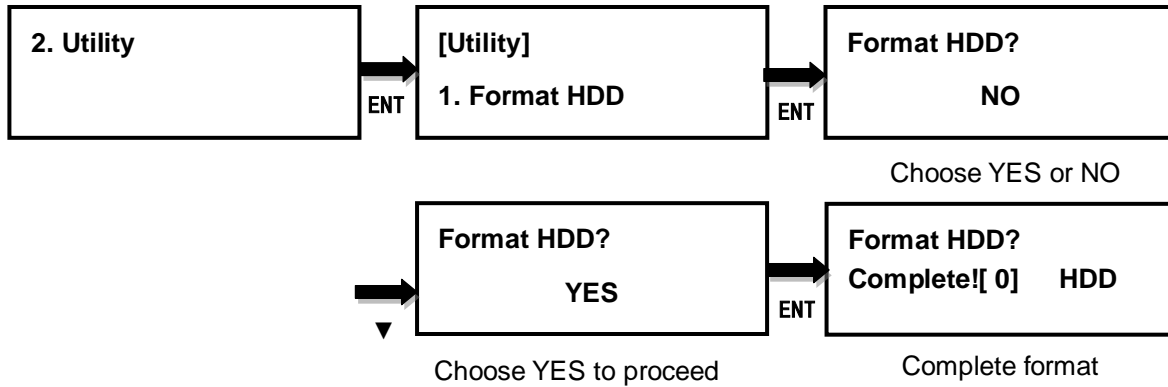
For the second time to copy while **Yes** is selected to create new folder, system will create another main file folder as PROJ0002, and everything else remains the same as stated earlier. If **No** is selected, the sub file folders will be created under the previously created main file folder, such as PROJ0001. The sub file folder name is PORT01-0002 for the data copied from the SD card at port 1, and the sub file folder name is PORT02-0002 for the data copied from the SD card at port 2, etc.

1.Copy	1.Copy	Create New Folder
Need Connect HDD	Ready device: 2	No

No target device   Source and target devices inserted

(HDD is not inserted)

[1] 4 2667M	73.5G	Copy: 222.0G ENT
12% 23 22.0G	3 851M	P: 0 F: 0 30%

Real time status (port 1)   Real time status (HDD)   Real time status

- **4**: The numbers of files being copied.
- **23**: Total number of fileson SD card.
- **2667M**: Copied file size
- **22.0G**: Total size of files
- **12%**: rate of progress.

- **73.5G**: Remaining capacity.
- **851M**: Copied data file size.
- **3**: The numbers of files being copied

- **Copy: 2**: number of sources
- **22.0G**: Total size of files.
- **P**: number of passed
- **F**: number of failed
- **30%**: rate of progress

Result:29 : 31
Pass：2   Fail：0

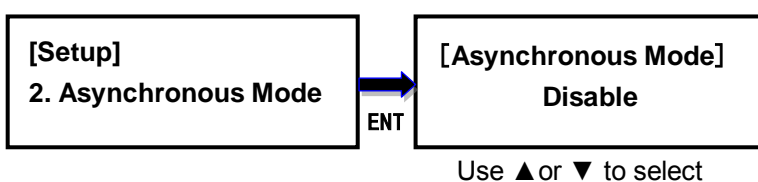Final Result

2. Utility

2.1. Format HDD

This option allows to format the target HDD to exFAT file system format. User will be asked if it is sure to format the target HDD before the Format.

2. Utility	ENT	**[Utility]** **1. Format HDD**	ENT	**Format HDD?** **NO**	
				Choose YES or NO	

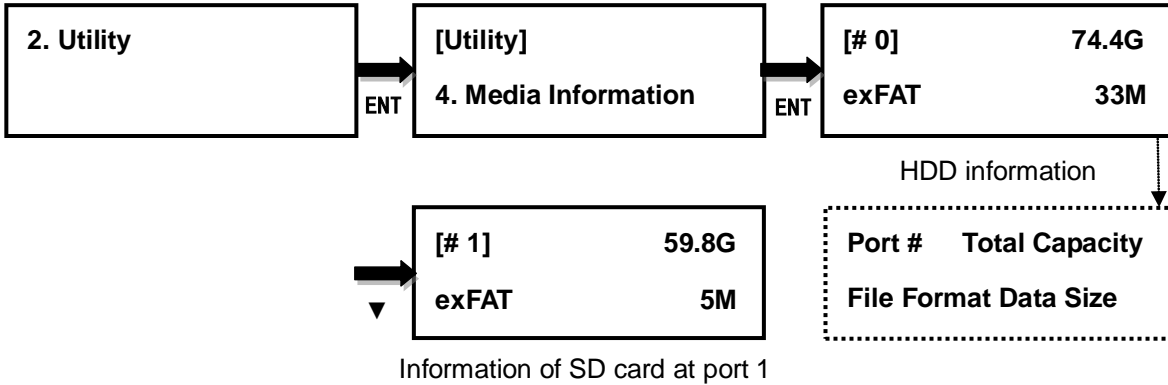|				
▼	**Format HDD?** **YES**	ENT	**Format HDD?** **Complete![0] HDD**	
	Choose YES to proceed		Complete format	

2.2. Asynchronous Mode

Asynchronous Mode means that the Back-up station does not have to wait for all SD cards inserted in order to start the execution of the task at the same time. No matter the data size of the SD cards, Back-up station can asynchronously execute the task if Asynchronous Mode is enabled. The default setting is Disable.

a. Insert HDD first, select Copy from the menu and press **ENT** button. Back-up station will start to execute the task now.

b. SD card can be plugged in during the execution process, and will start to execute the task immediately

c. SD card can be removed when it finishes the execution process and its green LED is solid on. New SD card can be plugged into the same channel for execution of the task again.

d. After the task is done for all SD cards, press ESC button to exit from the task.

e. Don't need to wait for all SD cards to be done. Each channel executes the task asynchronously.

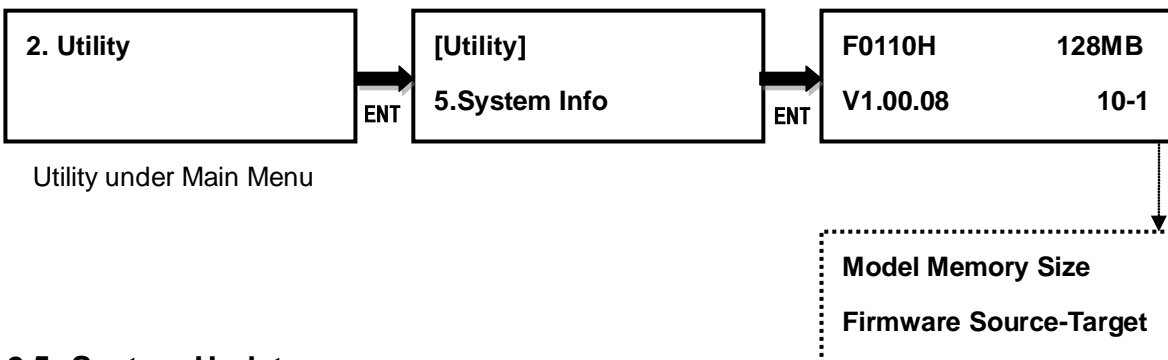|			
[Setup] **2. Asynchronous Mode**	ENT	**[Asynchronous Mode]** **Disable**	
		Use ▲or ▼ to select	

2.3. Media Information

This option displays the information of selected media device, such as total capacity, file system format and the size of data content.

2. Utility	→ ENT	[Utility] 4. Media Information	→ ENT	[# 0]　　　　　74.4G exFAT　　　　　33M

HDD information

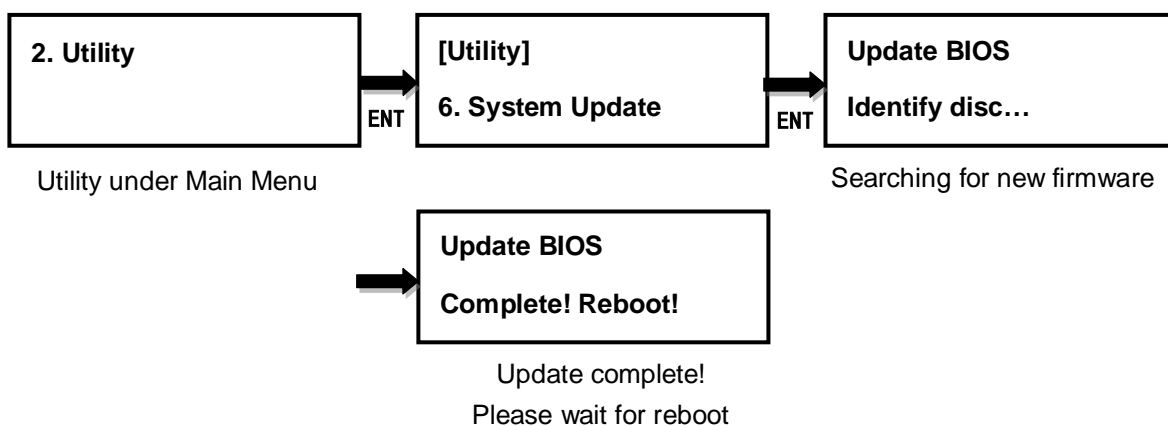| → ▼	[# 1]　　　　　59.8G exFAT　　　　　5M		Port #　　Total Capacity File Format Data Size

Information of SD card at port 1

2.4. System Info

This option displays general information of the system, including controller model, system memory size, firmware version and number of sources.

2. Utility	→ ENT	[Utility] 5.System Info	→ ENT	F0110H　　　　128MB V1.00.08　　　　10-1

Utility under Main Menu

Model Memory Size Firmware Source-Target

2.5. System Update

This option allows to update the firmware of system when necessary. Please obtain the proper firmware file from manufacturer, and save the unzipped file under home folder on the SD card **(DO NOT save the file under sub folder)**. Insert the SD card containing the firmware into the first SD port and press ENT. It will update the system, reboot after update, and operate under the new firmware. Only supports FAT32 file system format.

2. Utility	→ ENT	[Utility] 6. System Update	→ ENT	Update BIOS Identify disc…

Utility under Main Menu　　　　　　　　　　　　　　　　　Searching for new firmware

→	Update BIOS Complete! Reboot!

Update complete!
Please wait for reboot

2.6. Setup Button Beep

This option allows to set up button sound from the following options: Button & Warning, OFF, Warning only. The default setting is Button & Warning.

2.Utility		[Utility]		[Setup Button Beep]
	ENT	7. Setup Button Beep	**ENT**	Button & Warning
Utility under Main Menu				Use ▲ ▼ to change option

	[Button Beep]		[Button Beep]		Setup Complete!
▼	OFF	▼	Warning Only	**ENT**	
	Use ▲ ▼ to change option		Use ▲ ▼ to change option		