Intelligent U3

USB 3.1 Duplicator & Tester
(USB/USB-HDD)

User Manual vA.08

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G &S Version v A.08

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Before You Start

Important Notice

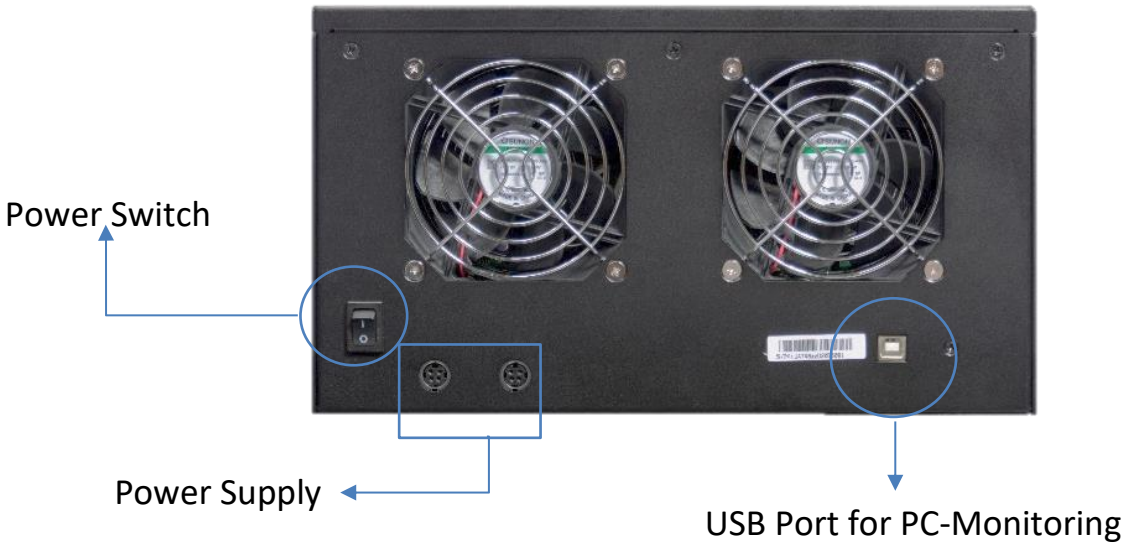
- Carefully read the entire manual before operating.
- Never turn off the power while the firmware is updating.
- Devices will operate at high temperature during high-speed tasks. Please wear protective gloves to prevent burns when handling devices.
- Devices working in high temperature may cause it to slow down or even shut down. Please make sure the devices are not overheated.
- Ensure machine and operator are properly grounded to prevent ESD.
- Make sure the source device is correct and functioning.
- Equal capacity of source and target is recommended for guaranteed data consistency.
- Using the Copy+Compare function provides the most flawless duplication.
- Damage incurred due to noncompliance with our operating instructions will void the warranty.
- Store the equipment safely when not in use and keep out of the reach of children.
- Use only approved, stable power sources.
- Use product only in a clean, dry, dust free, and ventilated area. Liquids or foreign debris can severely damage your duplicator.
- It is typical for the machine to heat up during operation.
- While in use, do not move the duplicator or remove devices.
- Static electricity may cause duplication error. Please pay attention to the duplicator's environment and operator's equipment. Purchasing static electricity elimination equipment to avoid static electricity shock while in high static electricity areas.
- Devices will operate at high temperatures during selected tasks.
- Wear protective gloves to prevent burns when handling devices.
- Static electricity may cause duplication error. Please pay attention to the duplicator's environment and operator's equipment. Purchasing static electricity elimination equipment to avoid static electricity shock while in high static electricity areas.
- If you want to change your Log password, please keep your password in a safe place in case you lose it. Please understand that the manufacturer does not provide password reset service due to the consideration of personal privacy.

Product Introduction

1. Hardware Overview

Front View

Back View



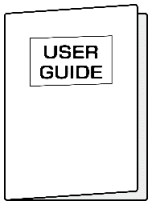
2. Package

Duplicator x1

12V 12.5A DC Adapter x 1

*12V 9A for 8 Ports

Power Cord x 1



User Manual x 1

PC-LINK Cable x 1

1 pair of Gloves*

*Wear protective gloves to prevent burns when handling devices.

3. Power Adapter

Standard contents that include power adapter(s) are sufficient for USB devices. Optional power adapter(s) are required when cloning/erasing USB-HDD. Each model may require a different power adapter per its need. The following reference tables illustrate adapter requirements for each machine.

USB reference table (USB/USB-HDD)

Ports	Adapter	Adapter volume needed when copying USB	Adapter volume needed when copying USB HDD
8	12V 9A	1	1
16 & 24	12V 12.5A	1	2
32 & 40	12V 12.5A	1	3
48	12V 12.5A	1	4

Notice Symbols

Special items, procedures, or notes to be observed prior to use.

Note	Refers to related duplicator operations, special details, tips, or suggestions for operational effectiveness.

Caution	Refers to procedures that need to be adhered to or precautions.

Function Table

*Below functions and features subject to change without notice.

<table>
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<tr><td>2. Compare</td><td colspan="2">Bit-for-bit comparison between the source and target flash medias.</td></tr>
<tr><td>3. Copy&Compare</td><td colspan="2">First copies, then compares the target to the source once duplication is completed.</td></tr>
<tr><td rowspan="14">4. Media Check</td><td colspan="2">4.1 Signal+H2+Format
Precheck the 2.0 / 3.0 signal of the flash’s first, then do H2 and Format.</td></tr>
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Checks the flash’s quality by reading and writing H2 files, then format the flash’s.</td></tr>
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Checks the flash’s quality by reading and writing H2 files.</td></tr>
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<tr><td colspan="2">4.9 Minimum Read Speed
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<tr><td colspan="2">4.10 Minimum Write Speed
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<tr><td rowspan="3">4.12 Set Capacity Limit</td><td>4.12.1 Set Upper Limit</td></tr>
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<tr><td>4.12.3 Clear Limit</td></tr>
<tr><td>5. Signal Detection</td><td colspan="2">5.1. USB2 and USB3</td></tr>
</table>

	Detects both USB2.0 and USB3.1 signals of the device.	
	5.2. Only USB3 Detects USB3.1 signal of the device.	
	5.3. Only USB2 Detects USB2.0 signal of the device.	
6. Utilities	**6.1 Information**	**6.1.1 USB Info.** This feature will show flash's data information, file format, content size, and capacity.
		6.1.2 System Info. This feature will show system information, such as, model number and software version.
	6.2 Erase	**6.2.1 Quick Erase** Erases flash media's index table only, it takes short time to execute this function.
		6.2.2 Full Erase Fully erases, bit for bit, data on flash, including format and content.
		6.2.3 DoD Erase Erases flash three times complying with USA Department of Defense (DoD) standards.
		6.2.4 NSA Erase *(Available in G Series)* Erases device(s) complying with NSA Standards.
	6.3 Do Format	**6.3.1 Auto Format** Auto formats media to FAT16 or 32.
		6.3.2 FAT16 Format Formats media to FAT16.
		6.3.3 FAT32 Format Formats media to FAT32.
		6.3.4 exFAT Format Formats media to exFAT.
	6.4 Calc. CRC64 Calculates the CRC64 value of the source port's flash media.	
	6.5 Calc. Hash MD5 (*Available in G Series)* Calculates the MD5 value of the source port's flash media.	
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<tr><td rowspan="13">7. Setup</td><td colspan="3">7.1 Start-up Menu
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<tr><td colspan="2">Whole Media
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<tr><td colspan="2">Only USB 2.0</td></tr>
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<tr><td colspan="3">7.9 Skip Source Bad Sectors
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<tr><td colspan="3">7.10 Delete Disk Signature After Copy
Allow user to delete Disk Signature After Copy or not.</td></tr>
<tr><td colspan="3">7.11 Check VIP/PID (Available in G Series)
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<tr><td colspan="3">7.12 Language
Sets system language.</td></tr>
</table>

<table>
<tr><td rowspan="8"></td><td colspan="2">7.13 Select Speed
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<tr><td rowspan="4">7.14 Active Hash
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<tr><td>Hash MD5</td></tr>
<tr><td>Hash SHA256</td></tr>
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<tr><td colspan="2">7.15 Minimum Speed
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<tr><td rowspan="3">7.16 Check USB Signal Before Copy
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<tr><td>Check Target</td></tr>
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Outputs today’s log records.</td></tr>
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Outputs recent log records.</td></tr>
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<tr><td rowspan="3">8.4 Advanced Function
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<tr><td rowspan="5">9. Write Protect</td><td colspan="2">9.1 Copy+ Write Protect
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<tr><td>10. Burn-In
(Available in</td><td colspan="2">10.1 Burn-In (Copy+Comp)
Performs Burn-in test on USB targets by copying & comparing the source.</td></tr>
</table>

Golden Series)	**10.2 Burn-In (Auto Data)** Automatically performs the Burn-in test on USB targets.
	10.3 Set Burn Time Sets the Burn-In test duration.
	10.4 Set Loop Count Sets the Burn-In test loop count. Each test loop contains a writing & comparing test.
	10.5 Set Test Range Sets the flash card test range.
	10.6 Set Bad Limit Sets the Burn-In test error tolerance.
	10.7 Set Data Pattern Sets the burn-in test writing pattern.
	10.8 Compare Count Per Loop Sets the data reading count per loop.
	10.9 Power Off Between Loop Sets the power off time between each data writing and reading loop.
	10.10 Compare Count Per Copy Sets the burn-in test data reading count per loop. (copy+compare)

Function Description

1. Copy

Step 1: Prepare source and target devices.

Note	Recommendation: Target device(s)' capacity must be equal to or larger than the source device capacity.

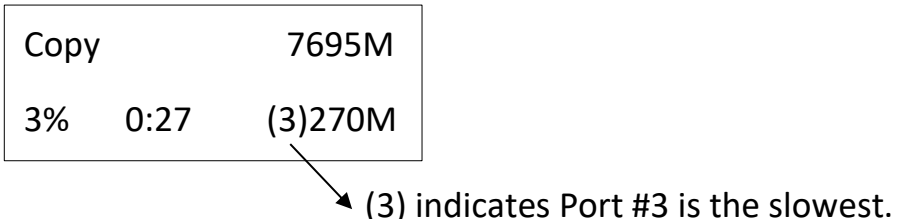
Step 2: Connect source and target devices.

Step 3: Proceed to copy.

Scroll to select "1. Copy", then press "OK" to start the duplication process.

Note	The number of working/connected targets will be displayed on LCD. Press "OK" to start.

The information below states what is displayed on the LCD during duplication.



Note	• Before duplication, select the data area at "7.1 Copy area" • Press ▲▼ together for 5 seconds to stop operation on the slowest device. • Press "ESC" for 5 seconds to stop all the copy jobs.

Step 4: Copy Completed!

The quantity of passed or failed target device(s) and the copied duration will be displayed on the LCD after duplication completes.

Note	• If flash card is removed during copy process, the system will stop immediately, and red light will illuminate to notify user the copy has failed. Removing the flash card during copy is strongly discouraged as it will damage the flash card. • Backup the data on target flash cards before starting the copying process as any pre-existing data will be lost once copy is complete.

2. Compare

The compare function checks the accuracy of copy result. Scroll to select "2. Compare", then press "OK" to start the verification process.

3. Copy+Compare

Sequentially automates from Function 1, Copy to Function 2, then Compare.

Scroll to select "3. Copy+Compare", then press "OK" to start the automated duplication and verification process.

4. Media Check

Note	• You can set the checking range in [4. Media Check >> Setup Range]. • To protect source data, the system default setting will not execute this function on the master device. • The source port will not perform any formatting because this function will delete the flash media's data.

4.1 Signal+H2+Format

This function can precheck the 2.0 / 3.0 signal of the flash's first, then performs a read and write test to determine the flash's quality. After H2 (Keep Format) test, the device will be formatted back to its original format (Supports FAT16, FAT32, exFAT)..

4.2 H2+Format

This function performs a read and write test to determine the flash's quality. After H2 (Keep Format) test, the device will be formatted back to its original format (Supports FAT16, FAT32, exFAT).

4.3 H2

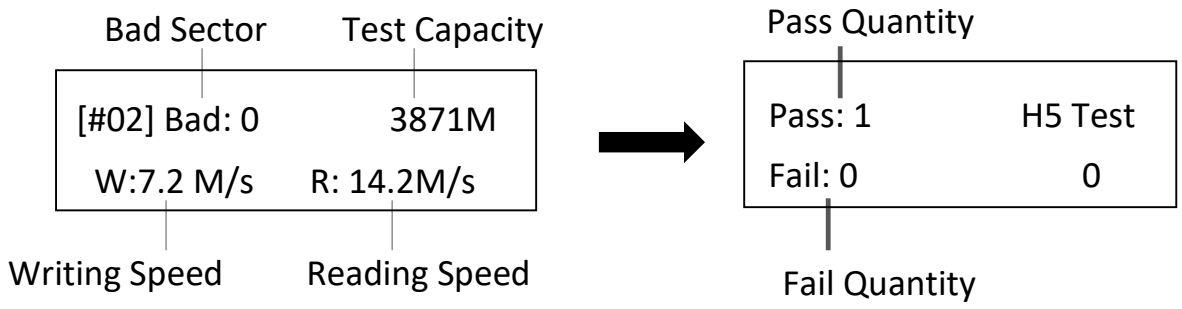
This function performs a read and write test to determine the flash's quality. After H2 (Overwrite) test, the device will contain H2 files which can be verify again through computer's software if necessary.

4.4 Signal+H5+Format

This function can precheck the 2.0 / 3.0 signal of the flash's first, then performs a read and write test to determine the flash's quality. The flash's original data will be erased during this test. The USB will be formatted into FAT32..

4.5 H5+Format

This function performs a read and write test to determine the flash's quality. The flash's original data will be erased during this test. The USB will be formatted into FAT32.



Note	The flash device will be formatted at FAT 16/32 once testing is complete.

4.6 Setup Range %

This function sets the quality check capacity range. Use the ▲▼buttons to set the range from 1 to 100%. The higher the percentage, the longer it takes.

4.7 Setup Range MB

This function sets the quality check capacity range in MB. Use the ▲▼buttons to set the range.

Note	The duplicator will abide by whichever was set last if both Range% and Range MB are set.

4.8 Set Error Limit

This function sets the error tolerance range while checking the flash. Use the ▲▼ buttons to set the error limit value. Select units to use (Sector, KB, MB, GB), then select the value.

4.9 Minimum Read Speed

This function can be used to select the flash media whose reading speed is too slow. Users can set an expected minimum reading speed for media check, so the flash media that doesn't reach the minimum speed value will be identified.

4.10 Minimum Write Speed

This function can be used to select the flash media whose writing speed is too slow. Users can set an expected minimum writing speed for media check, so the flash media that doesn't reach the minimum speed value will be identified.

Note	When the red-light illuminates to indicate that an error has occurred, use the▲▼buttons to view the error information.

4.11 Low Speed Tolerance Time

Sets the tolerance time when flash does not reach the minimum speed from 5~99 seconds. The default value is 5 seconds.

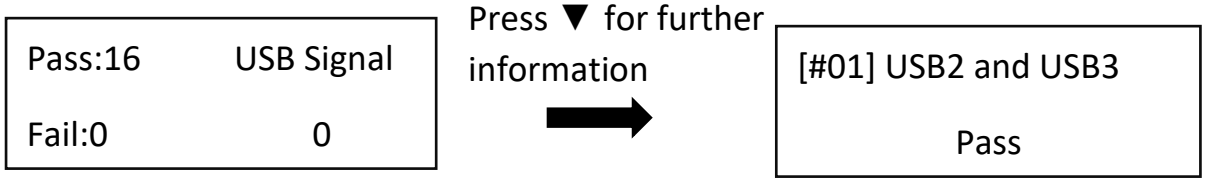
4.12 Set Capacity Limit

This function is used to set the flash device testing capacity limit. Users can set an upper and lower limit of the flash capacity. To reset, select "clear limit".

5. Signal Detection

5.1. USB2 and USB3

This function detects both USB2.0 and USB3.1 signal of the device. If any signal can't be recognized, it will show red light.



5.2. Only USB3

This function detects USB2.0 signal of the device.

5.3. Only USB2

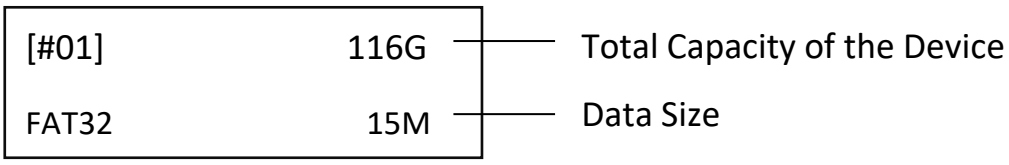
This function detects USB3.1 signal of the device.

6. Utilities

6.1 Information

❶ USB Info.

This setting displays the flash media's basic information such as file format, content size, and total capacity.
Use the ▲▼buttons to view the information of each flash media, source included.



Note	Using this function will not delete the flash media content or format.

❷ System Info.

This function displays system information such as model number and software version.

6.2 Erase

❶ Quick Erase

This function erases flash data while keeping the format if the original flash format is FAT16/32. Use the ▲▼buttons to view status, progress, and information.

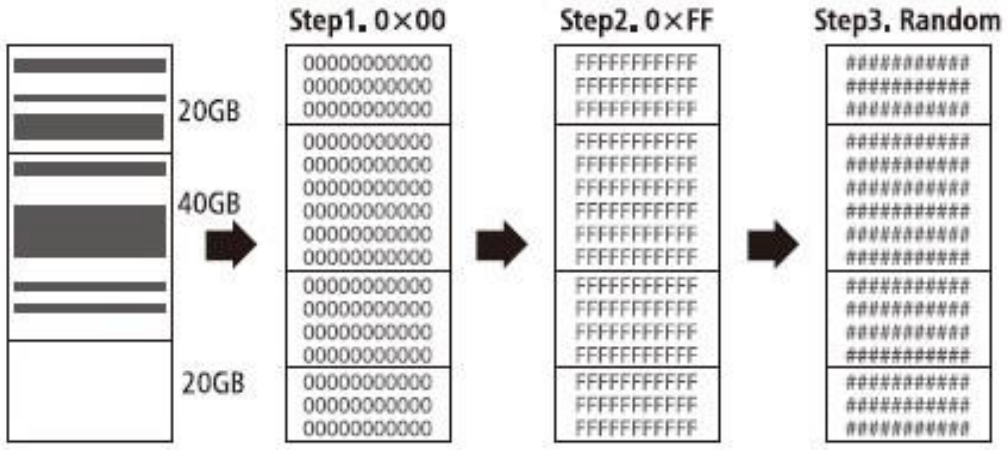
Note	Quick erase function will erase only FAT 16/32 formatted flashes.

❷ Full Erase

Completely erases the entire flash media, including format and content. This task takes longer. Pressing <ESC> during this process will abandon the task, but the original format and content will no longer be readable.

❸ DoD Erase

DoD Erase complies with the U.S.A. Department of Defense (DoD 5220) standards by erasing the flash three times, which guarantees that data is completely scrubbed.



Note	Use the ▲▼buttons to view the status of each port during erase.

❹ NSA Erase *(Available in G Series)*

This function will erase device(s) complying with NSA Standards.

6.3 Do Format

❶ Auto Format

This function formats flash into FAT. Plug in the flash media and press "OK". The system will automatically detect its capacity, then format the media per its capacity.

- If the flash media format is already FAT16 or FAT32, the format function won't alter its original format.
- If the original flash media is not FAT format, i.e. NTFS, Linux or FAT multi-partition. The system will format per flash's capacity. If capacity is above 2GB, the system will format the flash to FAT32 and below 2GB, the system will format the flash to FAT16.

Capacity < 2GB	Format FAT16
Capacity > 2GB	Format FAT32

❷ FAT16 Format

Sets the FAT16 format.

❸ FAT32 Format

Sets the FAT32 format.

❹ exFAT Format

Sets the exFAT format.

6.4 Calc. CRC64

This function will count the CRC64 value for the source port. The CRC64 value is an easy way to double check the source data is correct.

6.5 Calc. Hash MD5 (*Available in G Series)*

This function will count the MD5 value for the source port. The MD5 value is an easy way to double check the source data is correct.

6.6 Calc. Hash SHA256 (*Available in G Series)*

This function will count the SHA256 value for the source port. The SHA256 value is an easy way to double check the source data is correct.

Caution	User is responsible for verification of targets' quality. Testing a few completed targets in a mass production environment for quality control is recommended.

6.7 System Update

Step 1: Prepare a USB drive for update.

Connect a USB drive to PC. Download the latest firmware, unzip the BIOS firmware, then save it to the root directory in the USB drive.

Note	The USB's format must be: FAT16 or FAT32. Please place the unzipped "file.bin" into the USB for update.

Step 2: Proceed to update firmware.

Connect USB drive. Scroll to select "6.7 System Update", then press "OK" to start the firmware update process.

Caution	The firmware update process may take longer than 5 minutes. Please do not disrupt power or process during BIOS update. If interrupted, the system will become useless. We will not be held responsible for any damages.

7. Setup

7.1 Start-up Menu

This function allows user to select the default function to display during equipment initialization.

7.2 Copy Area

❶ System and Files

Also known as "Quick Copy". The source's format is automatically analyzed and if it's recognizable, such as, FAT 16/32/64, NTFS, or Linux ext. 2/3/4, the system will copy the data only, rather than the entire flash.

Note	If the file format is not recognized, the whole flash card, including empty space, will be copied even if you specify copy area in "System and Files".

❷ Whole Media

The system will copy the whole flash card, including empty space and format. This function is useful when users want to copy the whole flash or have a flash source with an unknown format. "Whole media" copies take a bit longer to complete.

❸ Percentage (%) (*Available in G Series)*

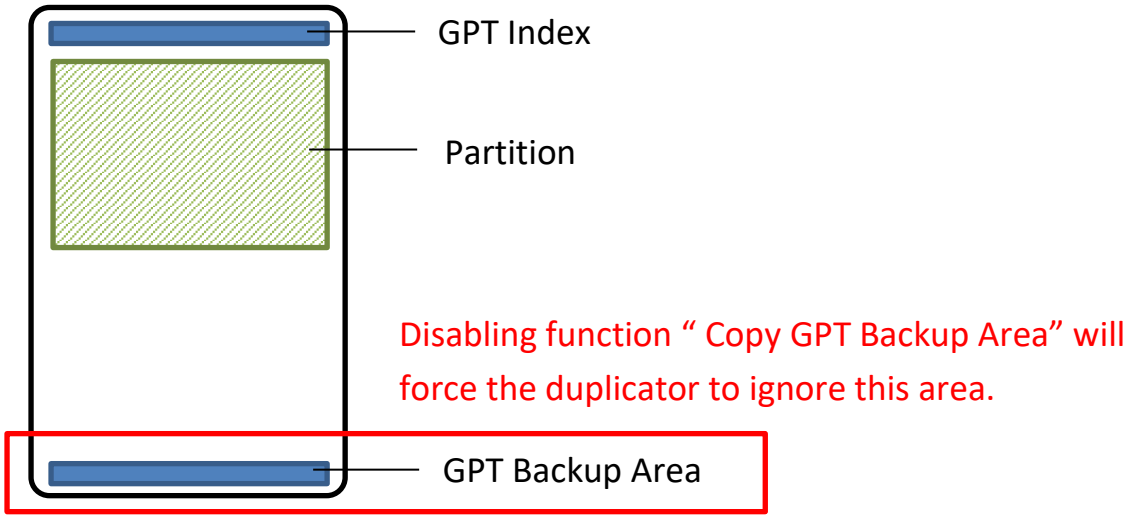
Select percentage of source capacity to copy. Users can choose the Start/End Percentage. For example, if the Start Percentage is set to 85% and the End Percentage is set to 90%, the system will only copy 85% to 90% of the total capacity of the source.

[Copy Mode] Percentage (%)

7.3 Copy GPT Backup Area

Disabling this function makes the duplicator ignore the GPT backup area, and thus allows the duplicator to copy from a big capacity device to a small capacity device(s).

Note	The partition size of the source HDD should be smaller than target capacity.



Caution	GPT backup areas will be rebuilt automatically the next time Windows reboots. For Linux, tools such as gdisk can rebuild these backups.

7.4 Button Sound

Controls whether to hear a sound when a button is pressed.

7.5 Active USB Revision

Sets the operating protocol for the duplicator.

❶ Both USB 2.0/3.0 :

The duplicator will detect USB3.1 first. If the device does not support USB3.1 protocol, the machine will detect USB2.0 instead.

❷ Only USB 2.0 :

The duplicator will detect USB2.0 only.

❸ Only USB 3.0 :

The duplicator will detect USB3.1 only. If the device does not support USB3.1 protocol, it will show “Fail.”

7.6 Target Tolerance

This function sets the capacities tolerance range between the source and target flash. If the capacity is outside the tolerance range, the copy will fail.

❶100% Same

❷ No Limit

❸ Allow Tolerance

Set UP Limit: The target capacity can be bigger than the source capacity.
Set UP Limit: The target capacity can be smaller than the source capacity.

[Target Tolerance]	➡	[Set UP Limit]	➡	[Set LOW Limit]
Allow Tolerance		2 %		0 %

7.7 Asynchronous

Users can activate Asynchronous copy by selecting “Enable” or deactivating it by selecting “Disable” For Asynchronous copy to run, the source’s data must be smaller than the system’s buffer memory and set to “Enable”. However, if set to “Disable”, regardless of content size, synchronous copy will be performed.

The conditions of executing “Asynchronous Copy”		
	DISABLE Asynchronous Copy	**ENABLE** Asynchronous Copy
Data **>** Buffer	⊗	⊗

Data < Buffer		

Note	The buffer memory may vary depending on product model.

7.8 Power Off Time Between Copy+Compare

The use of this setting is highly advised as it prevents data loss due to unstable flash. Users can set the time gap of power supply between copy and compare. The time gap can be set from 0 to 15 seconds. The default is "3".

7.9 Skip Source Bad Sectors

Skips Source bad sectors during Copy/ Compare/ Erase.
Scroll to select "Skip Source Bad Sectors", then press "OK" to scroll through the available values for skipping source bad sectors. If the data of source is critical and needs to be a full clone, it is recommended to set "0."

7.10 Delete Disk Signature After Copy

Allow user to delete Disk Signature after copy or not.

7.11 Check VID/PID (*Available in G Series)*

This function verify source and targets for the same VID/PID, prior to proceeding functions: Copy/Compare/Copy&Compare.

7.12 Language

Sets the system's language. (English, Japanese, Spanish)

7.13 Select Speed

There are 3 transmission speed options:

- Slower Mode
- Normal Mode (Default)
- Faster Mode

Use a good quality flash media that supports a faster mode. If unsure about the flash quality or notice a high copy/compare failure rate, use a slower transmission speed. The default setting is "Normal Mode".

7.14 Active Hash

Select which Hash Value to calculate.

- No Hash
- Hash MD5
- Hash SHA256
- CRC64

After the Copy/ Compare/ Copy&Compare is completed, the LCD will display the specified Hash Value.

Note	The Hash Value will also be recorded in the Log Report. *(Available in G Series)*

7.15 Minimum Speed

Allows user to disable or set minimum threshold speed during Copy and Compare. Users can set the speed value amongst 0～60 MB/s. The system will fail if any device does not achieve minimum speed.

7.16 Check USB Signal Before Copy

Allow user to precheck USB Signal before execute copy function. Only the USB that passes the signal detection is allowed to execute Copy function. The default setting is Both USB2.0/3.0.

Note	If you want to change the setting of USB Signal detection, you can go through the function “Active USB Revision”. You can choose “Only USB2.0” or “Only USB3.0”.

7.17 Set to Default

Restores all settings back to manufacturer defaults.

8. Log Manager *(Available in G Series)*

The log manager is an excellent management tool for operation control purposes. It can record duplication operation, system, and targets information details.

8.1 Out Today Report

❶ Insert flash media into Port 1.

❷ Go to "Out Today Report” and press “OK” to output today’s log records.

❸ Remove flash media and read the log report on PC.

8.2 Out Recent Report

❶ Insert flash media into Port 1.

❷ Go to "Out Recent Report" and press “OK” to output the log records from the last 28 days.

❸ Remove flash media and read the log report on PC.

8.3 Out Period Date

❶ Insert flash media into Port 1.

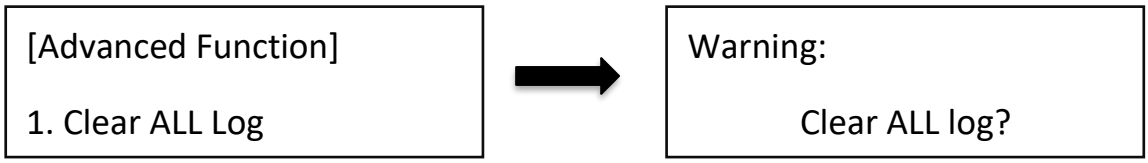
❷ Go to "Out Period Date" and press “OK” to output the log records from a specific date.

8.4 Advanced Function

Enter protective password to access advanced functions. The default password is "123456".

❶ Clear ALL Log

After entering the password, all the log records can be cleared from the duplicator.



Caution	Before using function “Clear ALL Log” during PC connection, please observe the following steps: 1. Close the PC-Link software (LV07B) or 2. Disconnect the duplicator from PC *The PC-Link software (LV07B) is designed to continuously record log reports. If user executes “clear log records” on the duplicator while LV07B is still running, the conflict between LV07B and duplicator might lead a serious system error.

❷ Setup Password

Setting a password ensures the duplicator’s log records are protected.

Note	• During your first linkage, please wait for a few minutes on PC to complete create the log database from duplicator.

	• When the output LOG REPORT function is executed, the LOG Report in txt and CSV format will be output together. • The log manager can store up to 60,000 records. If the storage limit is exceeded, the system will automatically remove the oldest record and replace it with the newest. • Changing the default password is highly advised as to ensure record protection. • If you want to change your Log password, please keep your password in a safe place in case you lose it. Please understand that the manufacturer does not provide password reset service due to the consideration of personal privacy.

❸ Adjust Time/Date

Adjusts the duplicator's time clock displayed on the LCD monitor.

9. Write Protect

Note	W-mode USB drives are required.

Caution	Interrupting write protect process may damage your USB drive.

A USB with write protection cannot be erased, formatted, or deleted.

Step1: Prepare a source USB and some W-mode equipped USB targets.
Step2: Plug in USBs.
Step3: Scroll to [9. Write Protect] and press "OK." Select the 3 sub-functions.

9.1 Copy+WriteProtect

Copies data from the source to targets and then set write protection on targets.

Caution	If the sticks were originally protected, the system will automatically release protection, then copy.

9.2 Copy+Comp+WriteP.

Copies data from the source to targets, compares, then set the write protection on targets.

Caution	If the sticks were originally protected, the system will automatically release protection, then copy+compare.

9.3 Set Write Protect

Sets write protection on targets.

Note	• This function is not executable on the source port. • It takes a few seconds to set write protection on all targets.

9.4 Set Write Enable

This functions release write protected USB drives. Insert flash device in any port, select [Set Write Enable], then press "OK". Within 5-10 seconds, the system will release write protected USB drive(s).

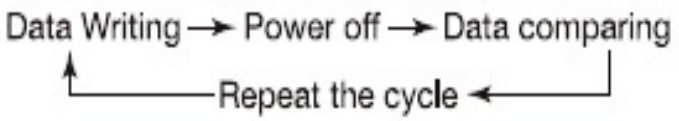
Note	• Requires W-mode USB drive(s). • This function is not executable on the source port. • Data will be deleted after releasing write protection. • If it is not supported USB, it will show error message “USB chip Not Support!”

9.5 Show USB WP Info

Displays basic information for W-Mode USB drives.

10. Burn-In *(Available in G Series)*

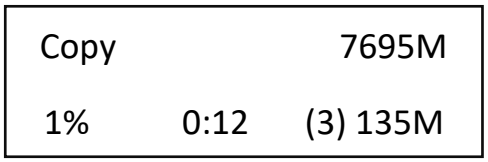
Burn-In is the most useful flash configuration method. The Burn-In test contains three steps: data writing, power off, and data comparing (reading). Users can set writing loop, compare loop, power off time, and writing pattern as needed.

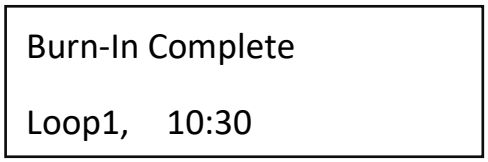


Note	Write protected devices do not support burn-in function.

10.1 Burn-In(Copy+Comp)

The Burn-In test on flash targets continually copies & compares source data. You could view related settings in the table below. The duplicator would abide by the last setting picked if users chose both “Burn Time” and “Loop Count.”





10.1 Burn In (Copy&Comp)	10.3 Set Burn Time
Prepare one Physical Source.	10.4 Set Loop Count
	10.6 Set Bad Limit
	10.9 Power Off Between Loop
	10.10 Compare Count Per Copy

10.2 Burn-In (Auto Data)

The Burn-In test on flash targets continually copies & compares source data. You could view related settings in the table below. The duplicator would abide by the last setting picked if users chose both “Burn Time” and “Loop Count”.

10.2 Burn-In (Auto Data)	10.3 Set Burn Time
No physical Source needed. Choose [8.7 Set Data Pattern] to automatically run test.	10.4 Set Loop Count
	10.5 Set Test Range
	10.6 Set Bad Limit
	10.7 Set Data Pattern
	10.8 Compare Count Per Loop
	10.9 Power Off Between Loop

Note	This function does not require a source device. The system will defer to user’s “Set Data Pattern” settings.

10.3 Set Burn Time

User can set the Burn-In test interval. The test time ranges from 30 mins to 365 days. The default setting is 2 hours.

[Set Burn Time]
30 min

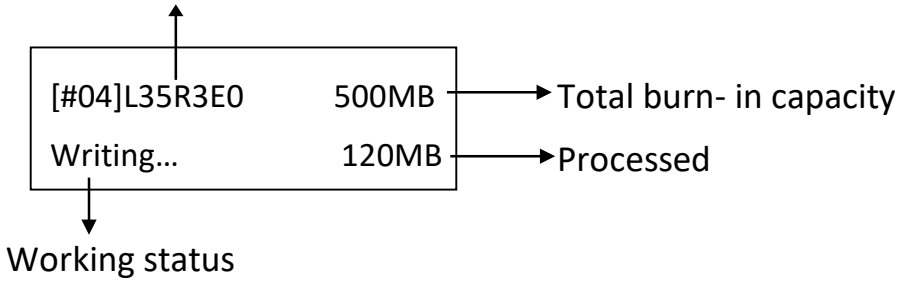
10.4 Set Loop Count

Sets the flash media's Burn-in test loop quantity. Each loop contains 3 processes: writing, power off, and comparing. The loop quantity can be set from 0 to 99999. The default setting is five loops.

L35: The 35th Loop.

R3: The 3th compare in the 35th loop.

E0: Total error quantity.



Note	• Loop 0 is equal to Loop 99999 • The duplicator will abide by the last setting picked if users chose both "Burn Time" and "Loop Count."

10.5 Set Test Range

Sets the flash media test range. The range can be set from 1% to 100%. The default setting is 100%.

[Set Test Range]
100%

Note	"Test Range" setting is only available in [8.2 Burn-In (Auto Data)].

10.6 Set Bad Limit

Sets the error tolerance. Tolerance can be set from 1-10000 bad sectors. The system will count per whole test, not per loop.

[Set Bad Limit]
0

10.7 Set Data Pattern

Sets the Burn-In test writing value. There are two data patterns:

- Auto Pattern: The default value will be used during burn-in test. Default value is random repetition of FF and 00.
- User Defined: Users can manually indicate which value to use during burn-in test. The setting is only 1 byte.

Note	“Data Pattern” setting is only available in [8.2 Burn-In (Auto Data)].

10.8 Compare Count Per Loop

Sets the compare count in each loop during Auto Data burn-in test. The default setting is three compare (reading) tests per loop.

Note	“Compare Count Per Loop” setting is only available in [10.2 Burn-In (Auto Data)].

10.9 Power Off Between Loop

Sets the power off time range between loops. This can be set from 1 to 60 seconds. The default setting is 60 seconds.

10.10 Compare Count Per Copy

Sets the compare count in each loop during Copy & Compare burn-in test. The default setting is one compare (reading) test per loop.

Note	Can only be set in [8.1 Burn-In (Copy+Compare)].

How to use PC-Monitoring

PC-monitoring is a convenient tool to monitor real-time status information such as: duplication progress, testing results, and operation log. This information is viewed on your computer screen. This section contains installation and operation instructions.
How to Launch PC-Monitoring:

Step 1: Copy “LV07B” to your PC.

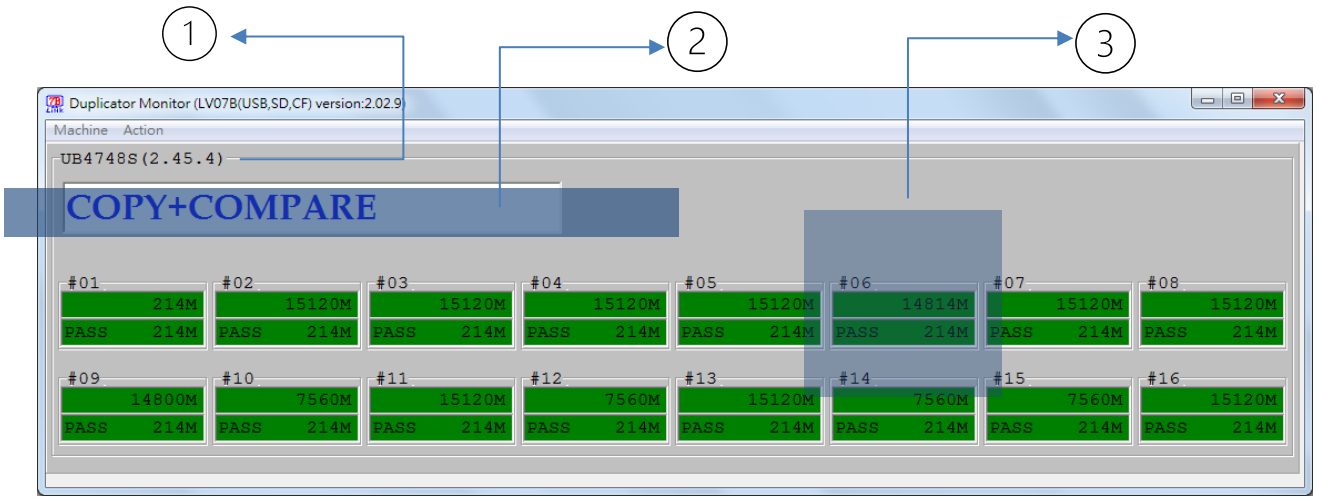
Step 2: Connect the PC-LINK cable from computer to the duplicator.

Step 3: Power On the duplicator.

Step 4: Launch LV07B by double clicking on software icon "LV07B ".

Caution	• Before Step 4, make sure the duplicator has completed boot-up. • There are configuration files when launching LV07B. Make sure you are launching the .exe file on the PC, and not with the provided our mini-CD software.

Step 5: When “STANDBY” is displayed on the screen, the duplicator has linked to the computer successfully and is ready to use the real-time monitoring function.



① Machine ID (FW Version)

② Screen Area-This area will display the function currently being executed.

③ Port Information

Step 6: If the screen above does not appear, please repeat steps 1 thru 4.

Note	If the system requests “Run the program as an Administrator”, right click “LV07B”, then set it in “Properties” > “Compatibility”.

Specifications subject to change without notice.