RACKMOUNT
CD/DVD DUPLICATOR

USER MANUAL

I. Introduction

Thank you for purchasing DVD/CD Duplicator. This duplicator is specifically engineered to run stand-alone without additional computer. With a simple four-button interface, the Duplicator provides a fast and reliable solution for DVD and CD duplication up to 11 targets from one single master disc.

1. Features

- Serial ATA (SATA) interface: Faster transfer rate, more reliable error check.
- 4-button control panel: Functional and user-friendly design
- DVD/CD duplication: Proven performance & compatibility

2. LCD Front Panel Overview
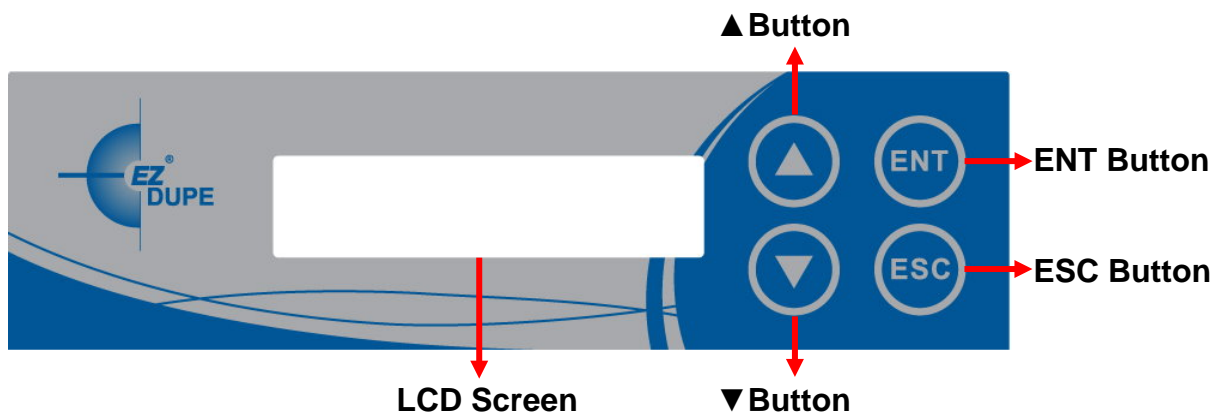
▲Button: *Up, Backward:* To navigate backward in the menu.

▼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

Model	DVD/CD Duplicator
Target	Up to 11 target.
Operation	Standalone (No PC or Software is required)
Supported Format for Disc	DVD ROM, DVD-R, DVD-RW, DVD+R, DVD+RW, CD-DA, CD ROM, CD-R, CD-RW, Multi-session Photo CDT, CD-I, Video CD, CD ROM XA, & CD Extra (CD Plus)
Control Button	4 button
Writing Speed for Disc	DVD-R: 24X, DVD+R: 24X, DVD-RW: 6X, DVD+RW: 8X, DVD+R DL: 8X, DVD-R DL: 8X, CD-RW: 40X, CD-R: 52X;(Actual write speed depends upon media & drive specifications
Recording Discs	12cm 4.7GB DVD-R/RW, 12cm 4.7GB DVD+R/RW, 12cm 8.5GB DVD+R DL, 12cm 8.5GB DVD-R DL, 12cm 80min / 700MB CD-R, 12cm 74min / 650MB CD-RW, 8cm 1.47GB mini DVD-R, 8cm 24min / 210MB mini CD-R, 8cm 50MB Business Card CD-R
Power Supply	115V or 230V (Selector Switch)

Humidity	Working	20% ~ 80%
	Storage	5% ~ 95%
Temperature	Working	32oF ~ 167oF
	Storage	-4oF ~ 185oF

II. Warning

1. **DO NOT** turn off the machine when the task is under execution. It may damage the duplicator or drives.

2. **DO NOT** remove drives when the task is under execution. It may damage the duplicator or drives.

3. The master channel cannot be written (only can be read) to avoid damaging the data in the master drive.

III. Menu

1. Copy

This command will copy the master disc placed in the designated Source Drive to all target discs in the Writer Drives. This process burns all data contained on the master disc to the target discs so the copies are exact duplicates of the master disc.

1. Copy	1. Copy	1. Copy
# 0: No Disc => 0	# 0: 2048MB => 0	# 0: 2048MB => 5
No Disc is inserted	Master disc is inserted	5 target discs are inserted

	Copy x 5 2048M	Result:
ENT	10% 204M	Pass: 5 Fail: 0
	Coping process	Final result

x 5: number of target.
2048M: source capacity
10%: rate of progress
8.9X: burning speed
204M: copied size
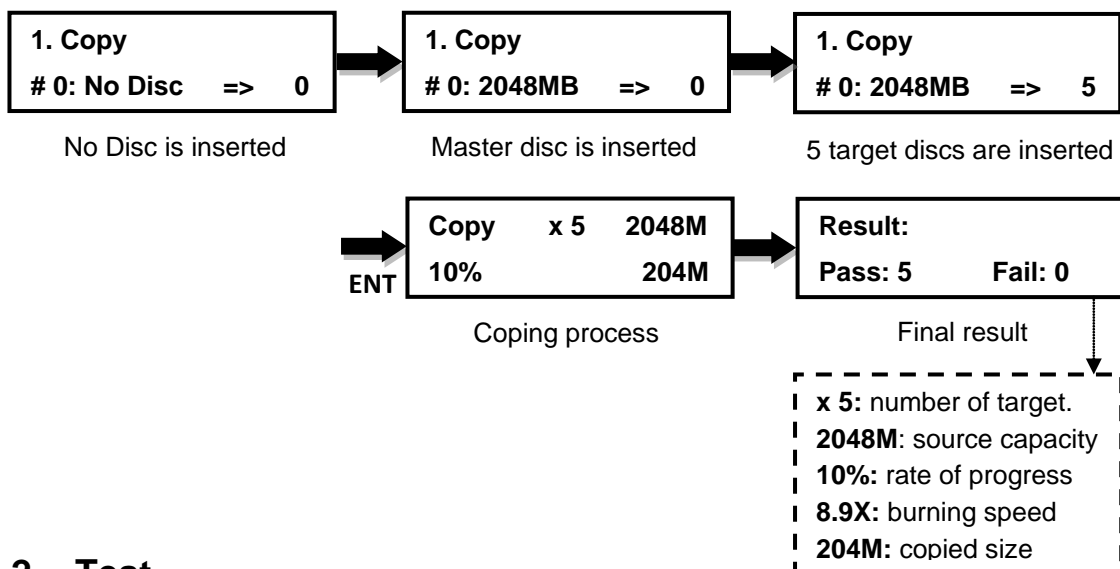
2. Test

This command will simulate the copy process and make sure all target discs are usable. The test process does NOT burn anything to the blank disc(s). A built-in diagnostic algorism is used to verify the chance of successful copy for each target disc.

2. Test	Test x 3 2048M	Result
# 0: 2048MB => 3	50% 1024M	Pass: 3 Fail: 0
ENT		
3 target discs are inserted	Test in process	Final result
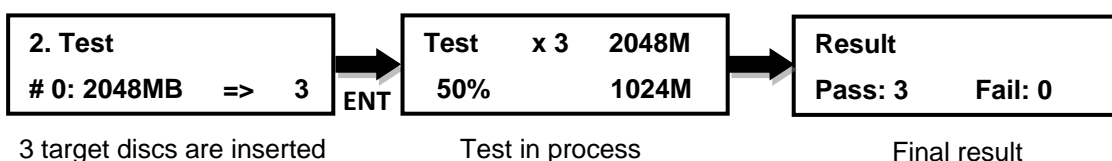
Note: Test mode can only be done with DVD-R and CD-R media.

3. Copy + Verify

This command will perform the copy process, and immediately follow with a verification process on all target discs automatically. This command is useful especially for audio CD duplication.

3. Copy + Verify # 0: 2048MB => 3	**ENT**	Copy x 3 2048M 50% 1024M	**Copy process is finished**
3 target discs are inserted		Copy in process	

	Verify x 3 2048M 50% 1024M	Result Pass: 3 Fail: 0
	Verify in process	Final result

Note: The verification process uses a **Disc Readability Check** to individually check the presence of data on each copy. This process does not compare the contents of duplicated discs against that of the master. It only verifies that the duplicated discs are readable.

4. Copy + Compare

This command will perform the copy process, and immediately follows with a comparison between the master disc and the copied disc(s) automatically to ensure the copies are exact duplicates of the master disc. This command is especially useful for DVDs, data CDs and video CDs.
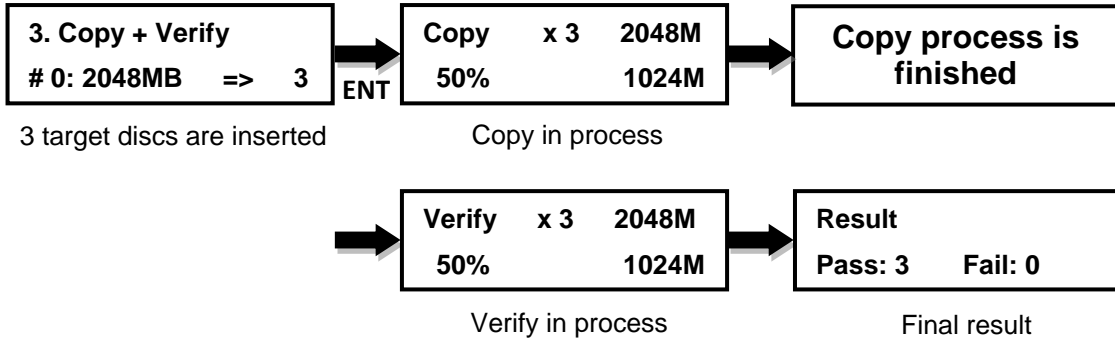
4. Copy + Compare # 0: 2048MB => 3	**ENT**	Copy x 3 2048M 50% 1024M	**Copy process is finished**
3 target discs are inserted		Copy in process	

	Compare x 3 2048M 50% 1024M	Result Pass: 3 Fail: 0
Note:	Compare in process	Final result
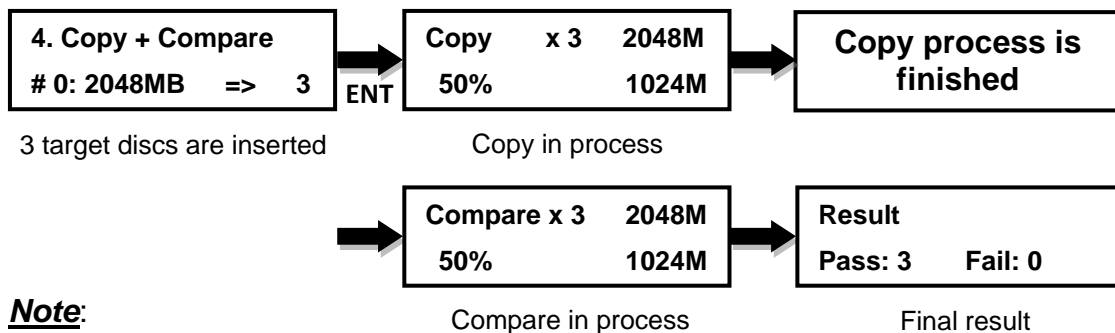
1. The Compare process is a bit-by-bit comparison between the master disc and the copied discs.

2. This operation ensures that all of the copies are completely identical to the Master disc.

3. This command is not applicable to audio CDs.

5. Verify

This command verified readability on the all target discs. This command is especially useful for audio CD duplication.

5. Verify # 0: 2048MB => 3	→ ENT	Verify x 3 2048M 50% 1024M	→	Result Pass: 3 Fail: 0

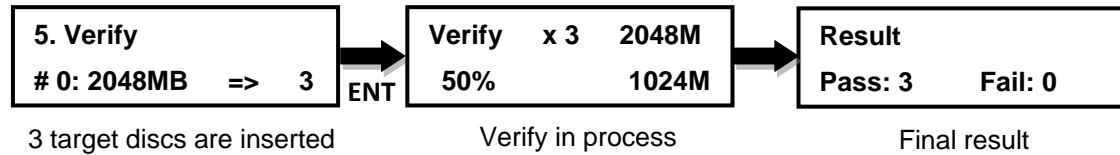3 target discs are inserted   Verify in process   Final result

6. Compare

This command compares copied disc(s) to the master disc and ensures that the copies are exact duplicates of the master disc. This command is especially useful for DVDs, data CDs and video CDs.

6. Compare # 0: 2048MB => 0	→ ENT	Compare x 3 2048M 50% 1024M	→	Result Pass: 3 Fail: 0

3 target discs are inserted   Compare in process   Final result
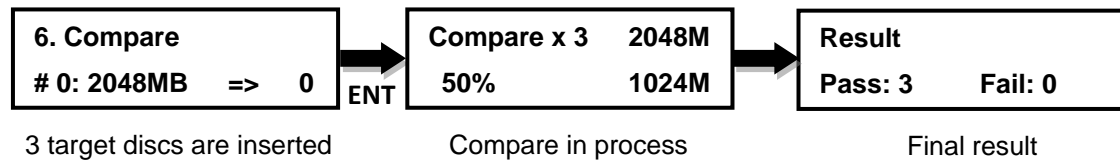
7. Set Burn Speed

This feature allows you to set the burn speed of various types of disc: CDs (data and VCDs), audio CDs, DVDs, and dual-layer DVDs (DVD DL).

Selectable burn speeds:

CD: 1, 2, 4, 8, 10, 12, 16, 20, 24, 32, 36, 40 (default), 44, 48, 50, 52, 56, MAX.

Audio CD: 1, 2, 4, 8, 10, 12, 16, 20, 24 (default), 32, 36, 40, 44, 48, 50, 52, 56, MAX.

DVD: 1, 2, 2.4, 4, 6, 8, 12, 16 (default), 18, 20, 24, MAX.

DVD DL: 1, 2 (default), 2.4, 4, 6, 8, 12, 16, 18, 20, 24, MAX.

7. Set Burn Speed	→ ENT	[Set Burn Speed] CD : 40x	→ ENT	[Set Burn Speed] Audio CD : 24x

[Set Burn Speed] DVD : 16x	→ ENT	[Set Burn Speed] DL DVD : 2x
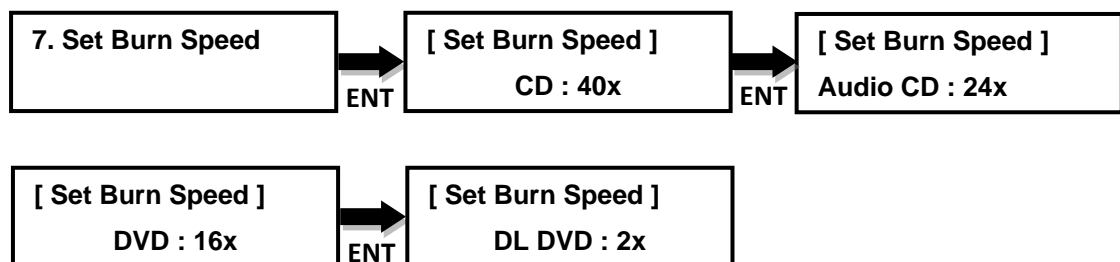
Press ▲ ▼ to select the desired burn speed

8. Source Select

This command will allow you to change the source drive to any one of the drive(s) inside the unit, including the HDD (if installed).

8. Source Select		[Source Select] First Drive		[Source Select] [D# 1] Port: 0

ENT   ENT

	[Source Select] Auto		[Source Select] HDD

ENT   ENT

Press ▲▼ to select the source

Selectable source:

First Drive (default): Choose the first port of plugged device as source.

HDD: Choose the Hard drive as source if installed.

Port [#]: Choose the single port as source.

Auto: System will detect which port has source disc and set to source automatically.

9. Track edit

9.1 Copy track

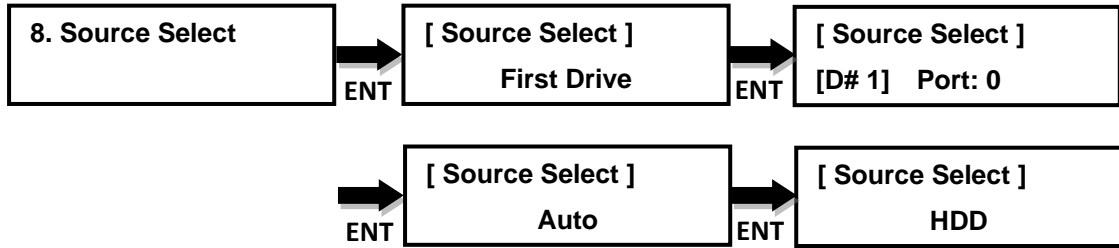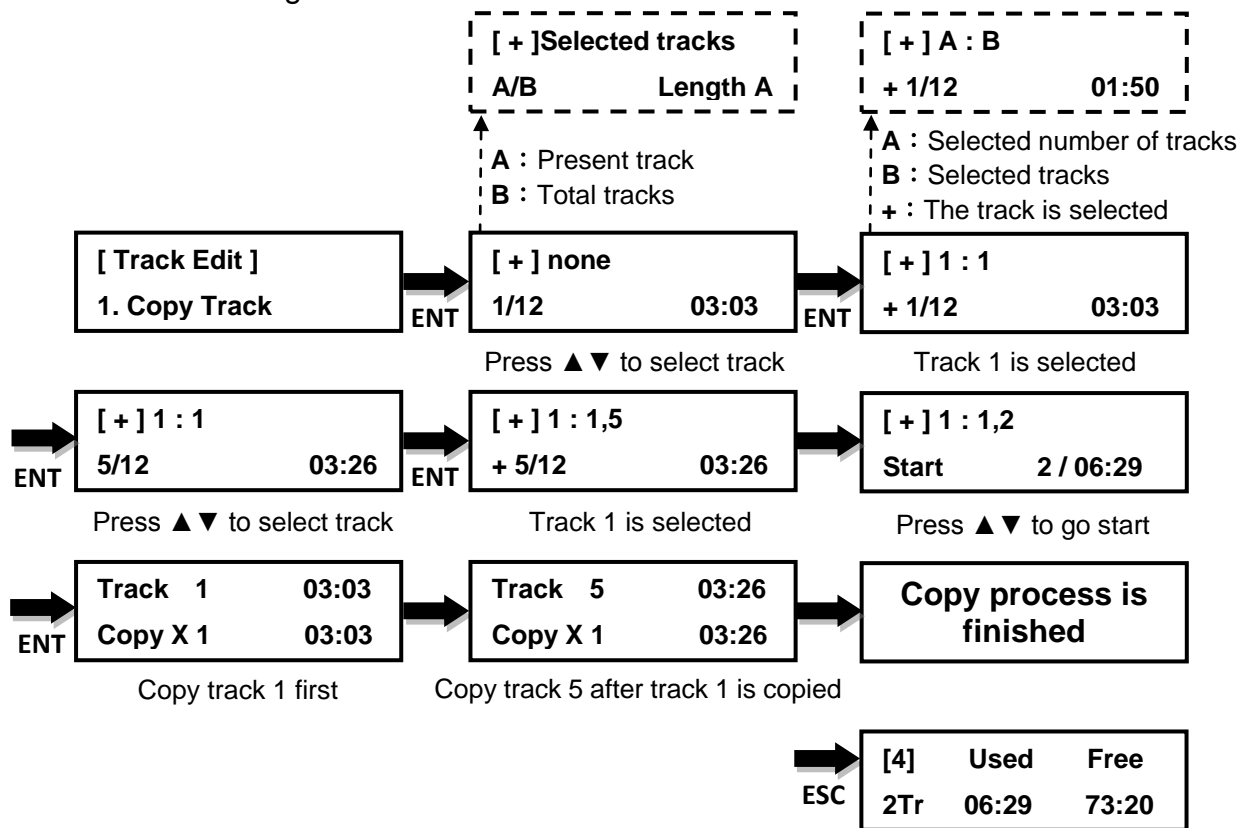This command allows user to select tracks from multiple audio CDs, combine and burn to target CDs.

```
[ + ]Selected tracks
 A/B          Length A
```

```
[ + ] A : B
 + 1/12          01:50
```

A：Present track
B：Total tracks

A：Selected number of tracks
B：Selected tracks
+：The track is selected

[Track Edit] 1. Copy Track		[+] none 1/12 03:03		[+] 1 : 1 + 1/12 03:03

ENT   ENT

Press ▲▼ to select track   Track 1 is selected

[+] 1 : 1 5/12 03:26		[+] 1 : 1,5 + 5/12 03:26		[+] 1 : 1,2 Start 2 / 06:29

ENT   ENT

Press ▲▼ to select track   Track 1 is selected   Press ▲▼ to go start

Track 1 03:03 Copy X 1 03:03		Track 5 03:26 Copy X 1 03:26		**Copy process is finished**

ENT

Copy track 1 first   Copy track 5 after track 1 is copied

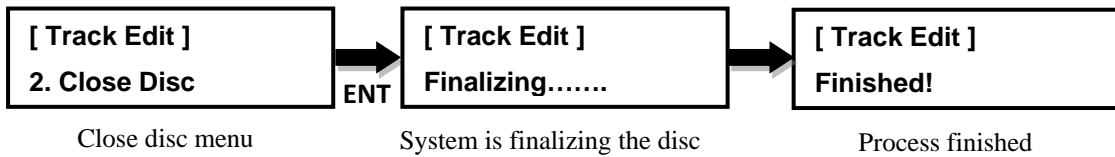| [4]   Used   Free
 2Tr   06:29   73:20 |
| --- |

ESC

Press ▲▼ to check the space information for each port

Note:

1. The function can be executed again if the Audio CD has free space.
2. Please execute **Close Disc** when the space is full or the disc will not be added tracks on it.
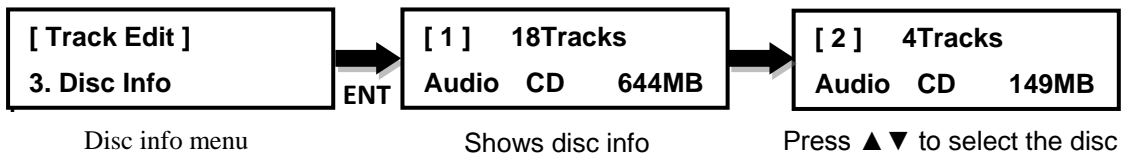
9.2 Close Disc

This command can closes edited audio CDs. After finishing track copied above, the **Close Disc** is needed to be executed to finalize disc. Without doing this process, the disc cannot be played on some DVD player.

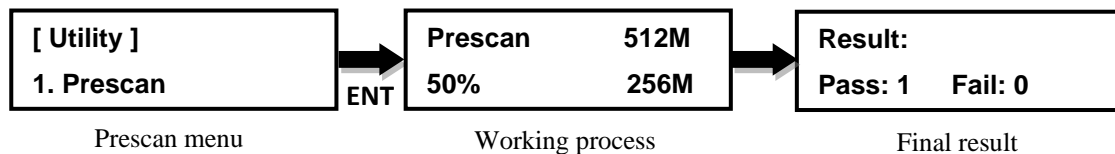| [Track Edit] 2. Close Disc	**ENT** ⟶	[Track Edit] Finalizing…….	⟶	[Track Edit] Finished!
Close disc menu		System is finalizing the disc		Process finished

9.3 Disc info

This command allows users to look up the information for each disc.

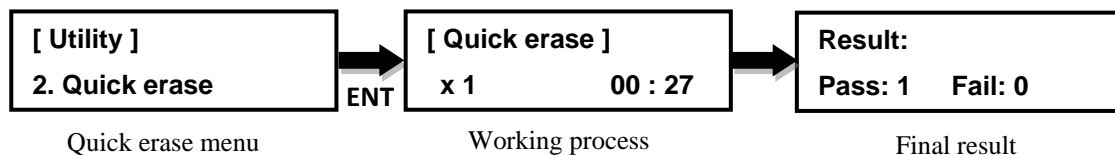| [Track Edit] 3. Disc Info	**ENT** ⟶	[1] 18Tracks Audio CD 644MB	⟶	[2] 4Tracks Audio CD 149MB
Disc info menu		Shows disc info		Press ▲▼ to select the disc

10. Utility

10.1 PreScan

Prescan the master disc and verifies the integrity and quality of the master disc. Execute the function before the copy process starts, it ensures the master disc can be copied in the duplicator if the result is passed.

[Utility] 1. Prescan	**ENT** ⟶	Prescan 512M 50% 256M	⟶	Result: Pass: 1 Fail: 0
Prescan menu		Working process		Final result

10.2 Quick Erase

Performs a quick erase of rewritable (RW) media for next use.

[Utility] 2. Quick erase	**ENT** ⟶	[Quick erase] x 1 00 : 27	⟶	Result: Pass: 1 Fail: 0
Quick erase menu		Working process		Final result

Note: Do NOT perform this function on recordable (R) media.

10.3 Full Erase

Perform a full erase of rewritable (RW) media for next use.

[Utility] 3. Full erase	**ENT** →	[Full erase] x 1 00 : 27	→	Result: Pass: 1 Fail: 0
Quick erase menu		Working process		Final result
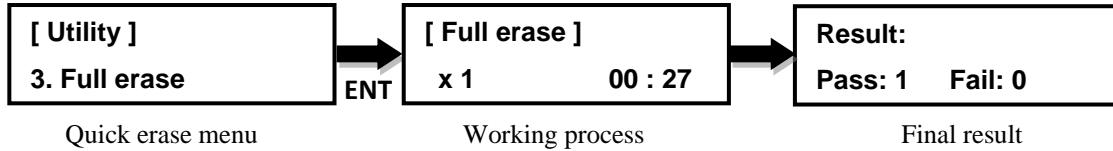
Note: Do NOT perform this function with recordable (R) media

10.4 Eject All Trays

Perform a simultaneous ejection of all of the optical disk drive(s) on the duplicator.

[Utility] 4. Eject All Trays	**ENT** →	**All trays are ejected.**
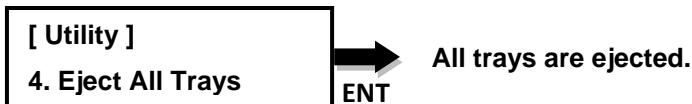
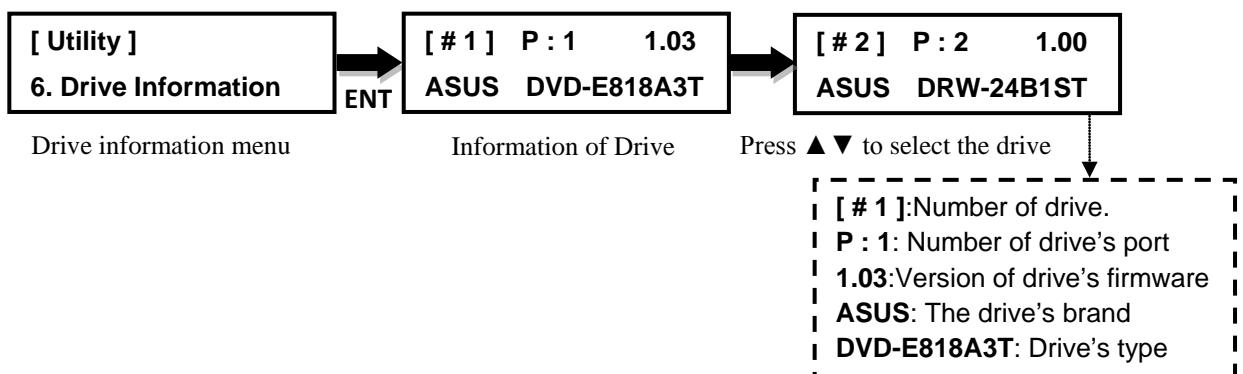*Note*: Double press **ESC** at the first layer of the menu can also eject all trays.

10.5 Disc Information

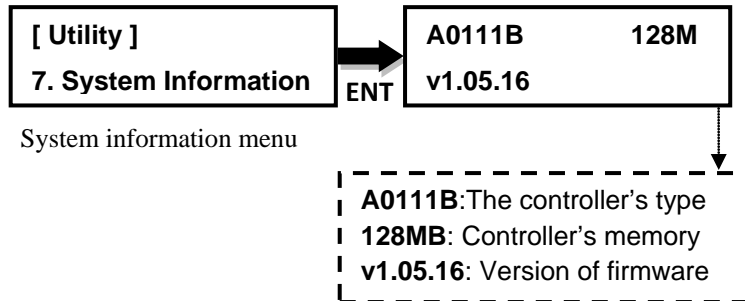Check the disc information and space used inside of the drive(s) of the duplicator.

[Utility] 5. Disc Information	**ENT** →	[1] 1 Session DVD-Data 1056MB	→	[2] 1 Session DVD-Data 1056MB
Disc information menu		Information of Disc		Press ▲ ▼ to select the disc

Port #   Session
Disc type   Data Size
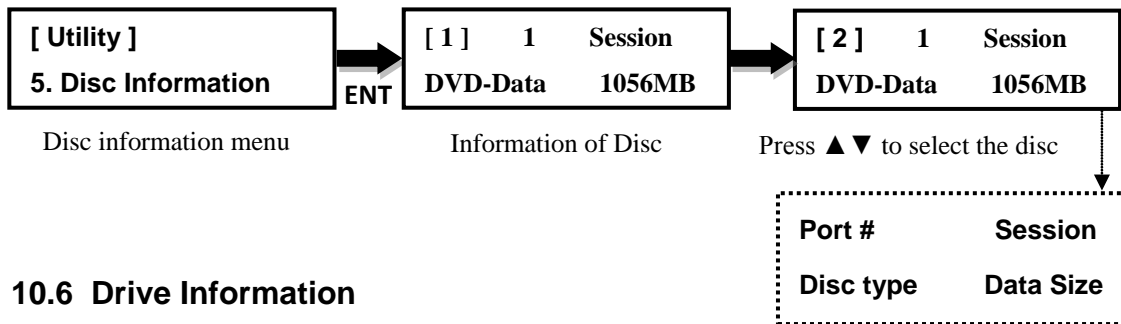
10.6 Drive Information

Check the make, model, firmware and the channel (port) of the drive(s) that are connected to the duplicator controller.

[Utility] 6. Drive Information	**ENT** →	[# 1] P : 1 1.03 ASUS DVD-E818A3T	→	[# 2] P : 2 1.00 ASUS DRW-24B1ST
Drive information menu		Information of Drive		Press ▲ ▼ to select the drive

[# 1]:Number of drive.
P : 1: Number of drive's port
1.03:Version of drive's firmware
ASUS: The drive's brand
DVD-E818A3T: Drive's type

10.7 System Information

Check the model number, buffer memory and firmware version of the duplicator system.

```
[ Utility ]              ENT    A0111B         128M
7. System Information    ──►    v1.05.16
```

System information menu

> **A0111B**:The controller's type
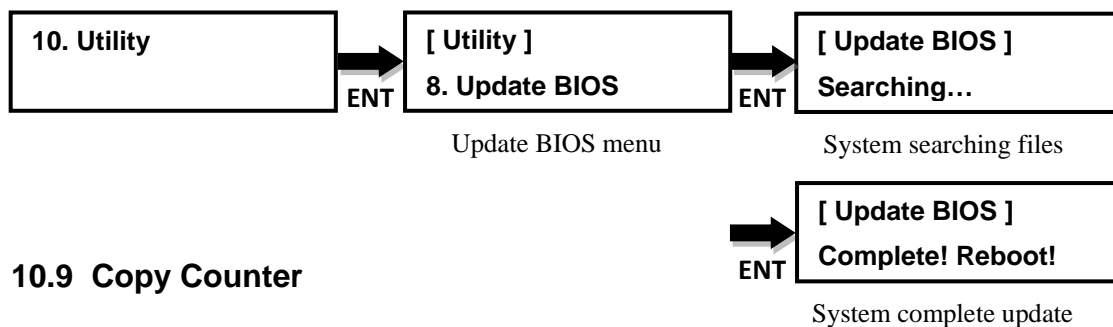> **128MB**: Controller's memory
> **v1.05.16**: Version of firmware

10.8 Update BIOS

This command allows you to update the firmware of duplicator when necessary.
1. Obtain proper update firmware file from manufacturer
2. Burn the un-zipped files to a CD or DVD supported by the duplicator
Note: Please plug the disc to source port and DO NOT put the files in a folder**.**
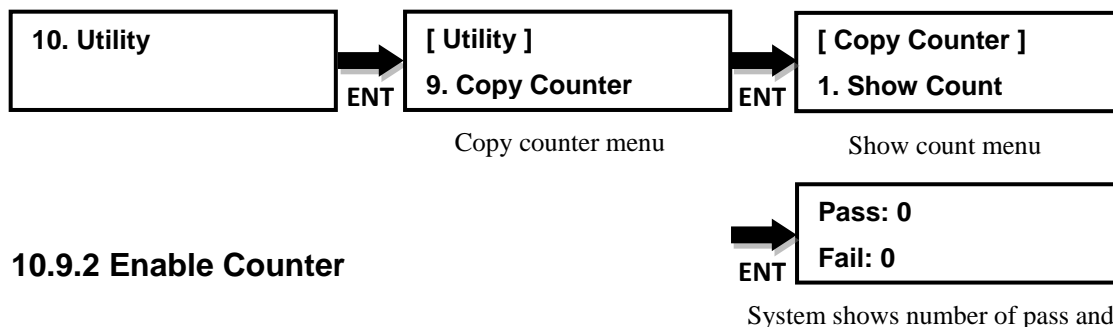3. Select option **10.8 System Update**, and press ENT. The duplicator will automatically start updating the firmware. Once the update process is completed, the duplicator will reboot automatically to activate the new firmware.

```
10. Utility    ENT    [ Utility ]        ENT    [ Update BIOS ]
               ──►    8. Update BIOS     ──►    Searching…
```
        Update BIOS menu   System searching files

```
               ENT    [ Update BIOS ]
               ──►    Complete! Reboot!
```
        System complete update

10.9 Copy Counter
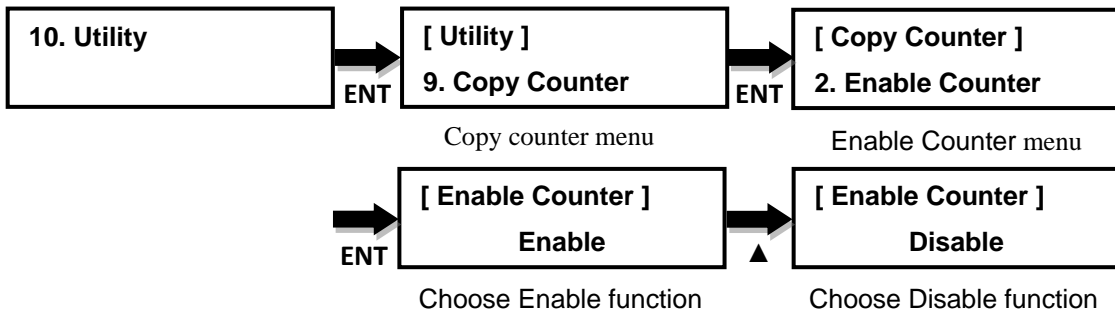
10.9.1 Show Count

This command can display the numbers of successful and failed copies made by the duplicator for CDs and DVDs.
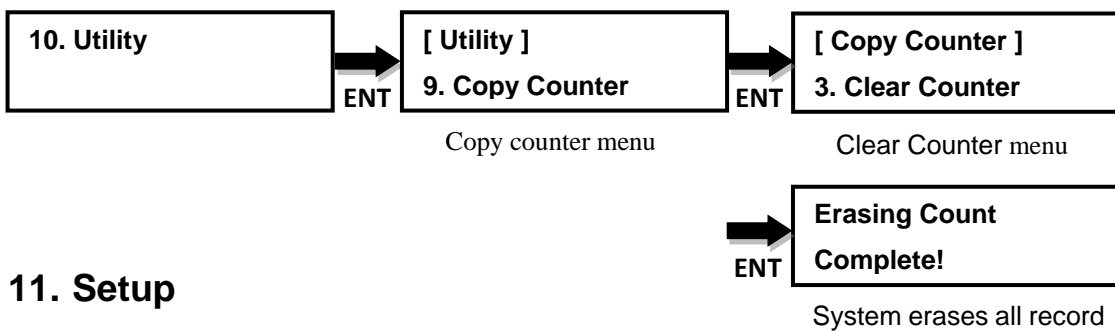
```
10. Utility    ENT    [ Utility ]        ENT    [ Copy Counter ]
               ──►    9. Copy Counter    ──►    1. Show Count
```
        Copy counter menu   Show count menu

```
               ENT    Pass: 0
               ──►    Fail: 0
```
        System shows number of pass and fail

10.9.2 Enable Counter

This command can turn the counter function enabled (default) or disabled.

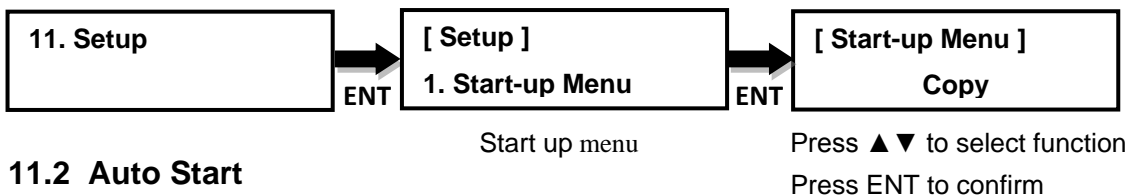| 10. Utility	ENT→	[Utility] 9. Copy Counter	ENT→	[Copy Counter] 2. Enable Counter
		Copy counter menu		Enable Counter menu

→ ENT	[Enable Counter] Enable	→ ▲	[Enable Counter] Disable
	Choose Enable function		Choose Disable function

10.9.3 Clear Counter

This command can clear all counted number to zero.

10. Utility	ENT→	[Utility] 9. Copy Counter	ENT→	[Copy Counter] 3. Clear Counter
		Copy counter menu		Clear Counter menu

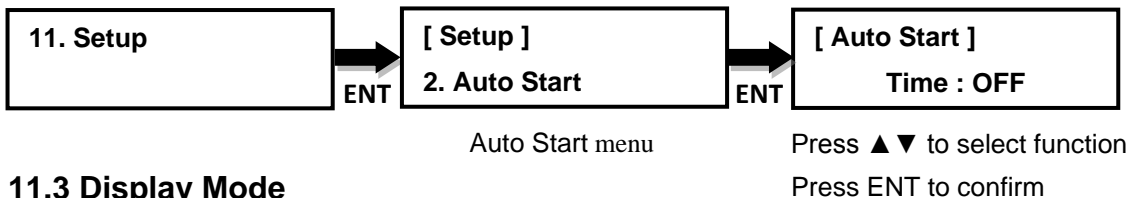| → ENT	Erasing Count Complete!
	System erases all record

11. Setup

11.1 Start-up Menu

Set the command to be displayed first when the duplicator is powered up and initialized. All primary commands are available to be set for Start-up: **Copy (default)**, **Test**, **Copy + Verify**, **Copy + Compare**, **Verify**, **Compare**.

11. Setup	ENT→	[Setup] 1. Start-up Menu	ENT→	[Start-up Menu] Copy
		Start up menu		Press ▲ ▼ to select function Press ENT to confirm

11.2 Auto Start

Set the amount of time before the duplicator will automatically start the selected command, ranging from **OFF (default)** (no auto start) to **120** seconds.

| 11. Setup	ENT→	[Setup] 2. Auto Start	ENT→	[Auto Start] Time : OFF
		Auto Start menu		Press ▲ ▼ to select function Press ENT to confirm

11.3 Display Mode

Change the display readout during the performance of various commands.

"**Basic** (default)" mode displays a progress bar, along with the amount of total data in MB on the master DVD (or in time for the master CD).

"**Expert**" mode displayed the percentage of the process completed, the amount of data transferred and the total amount of data on the master disc.

"**Show Timer**" mode shows progress time bar in the process.

"**Show speed**" mode shows the transfer speed in the process.

11. Setup	[Setup] 3. Display Mode	[Display Mode] Basic
	ENT	ENT
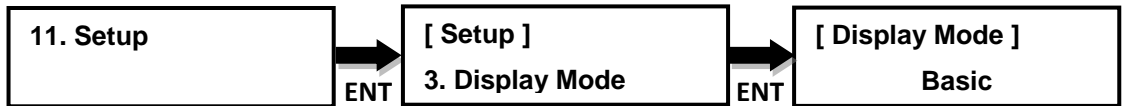
Display Mode menu
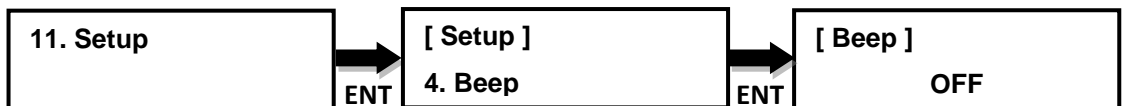
Press ▲ ▼ to select function
Press ENT to confirm

11.4 Beep

Turn the audio signal (a beeping sound) ON or OFF for pressing of the buttons.

Button & Warning (default): The device will produce audio signal when press button or error occurred.

Warning Only: The device will produce audio signal only when error occurred.

OFF: The device won't produce audio signal.

11. Setup	[Setup] 4. Beep	[Beep] OFF
	ENT	ENT

Beep menu

Press ▲ ▼ to select function
Press ENT to confirm

11.5 Power on Eject

Allows the drive(s) with disc(s) present inside to eject the disc trays when the duplicator is done initializing after power on.

Eject All Discs (default): Device will ejects all trays with disc inside.

Eject All Trays: Device will ejects all trays no matter even if no disc inside.

Do Not Eject: Device won't ejects any trays.

Eject Targets Only: Device will only eject target's trays.

Eject Source Only: Device will only eject source's trays.

11. Setup	[Setup] 5. Power on Eject	[Power on Eject] Eject All Discs
	ENT	ENT
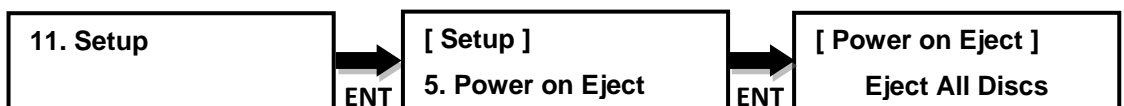
Power on Eject menu

Press ▲ ▼ to select function
Press ENT to confirm
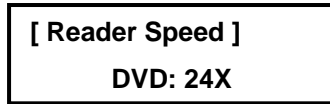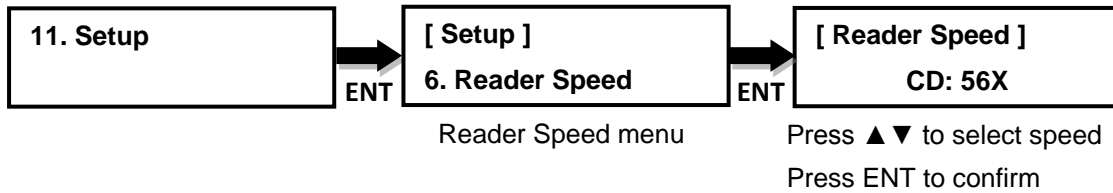
11.6 Reader Speed

Set the reader speed for the duplicator to read the master disc(s).

Selectable Reader speeds:
CD: 1, 2, 4, 8, 10, 12, 16, 20, 24, 32, 36, 40, 44, 48, 50, 52, 56 (default), MAX.
DVD: 1, 2, 2.4, 4, 6, 8, 12, 16, 18, 20, 24(default), MAX.

11. Setup

→ ENT →

| [Setup] |
| 6. Reader Speed |

Reader Speed menu

→ ENT →

| [Reader Speed] |
| CD: 56X |

Press ▲▼ to select speed
Press ENT to confirm

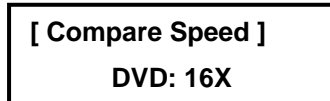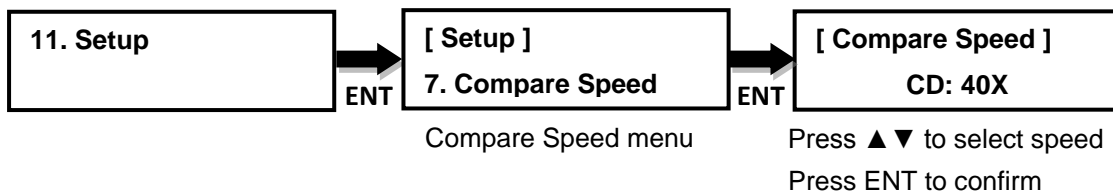| [Reader Speed] |
| DVD: 24X |

Press ▲▼ to select speed
Press ENT to confirm

11.7 Compare Speed

Sets the speed at which the master disc is compared with the copies disc(s).

Selectable Compare speeds:
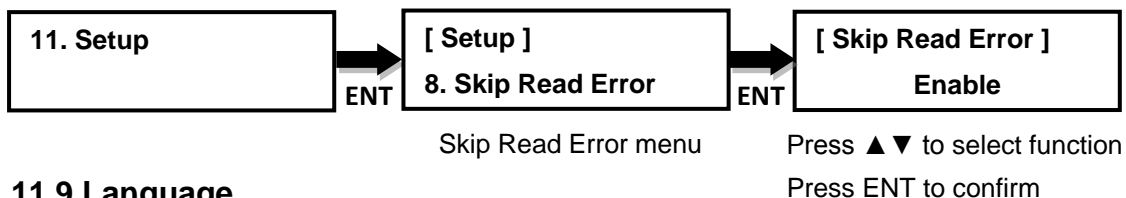**CD**: 1, 2, 4, 8, 10, 12, 16, 20, 24, 32, 36, 40 (default), 44, 48, 50, 52, 56, MAX.
DVD: 1, 2, 2.4, 4, 6, 8, 12, 16 (default), 18, 20, 24, MAX.

11. Setup

→ ENT →

| [Setup] |
| 7. Compare Speed |

Compare Speed menu

→ ENT →

| [Compare Speed] |
| CD: 40X |

Press ▲▼ to select speed
Press ENT to confirm

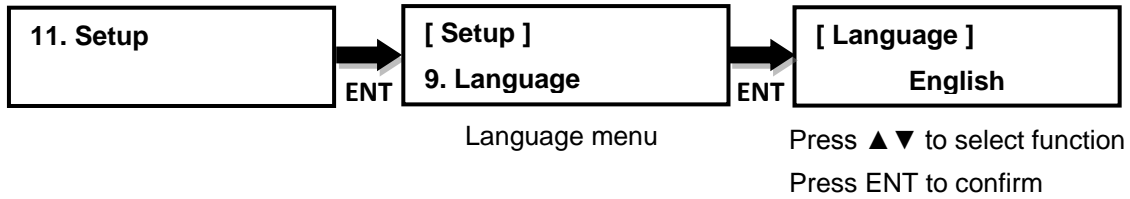| [Compare Speed] |
| DVD: 16X |

Press ▲▼ to select speed
Press ENT to confirm

11.8 Skip Read Error

Allow the duplicator to skip uncorrectable read errors on the master DVD or CD. This feature can be turned **Enable** or **Disable** (default)**.**

11. Setup

→ ENT →

| [Setup] |
| 8. Skip Read Error |

Skip Read Error menu

→ ENT →

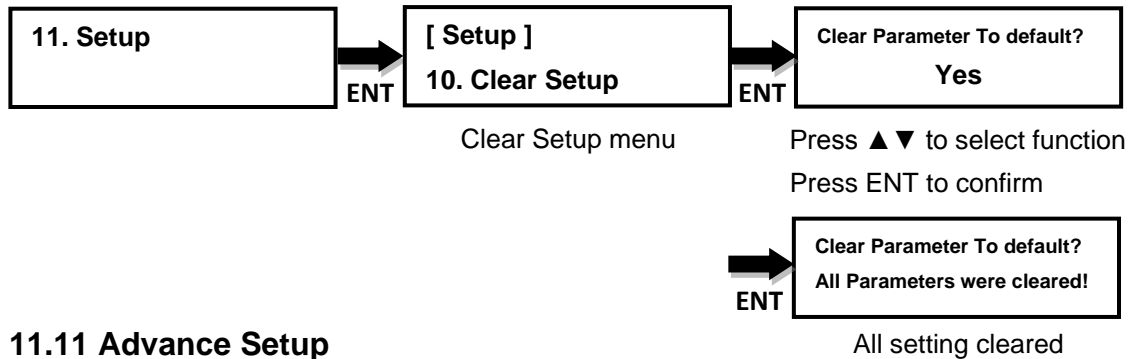| [Skip Read Error] |
| Enable |

Press ▲▼ to select function
Press ENT to confirm

11.9 Language

Set the language selection of the display. Available languages are: **English (default)**, **Spanish**, **Portuguese**, and **Japanese**.

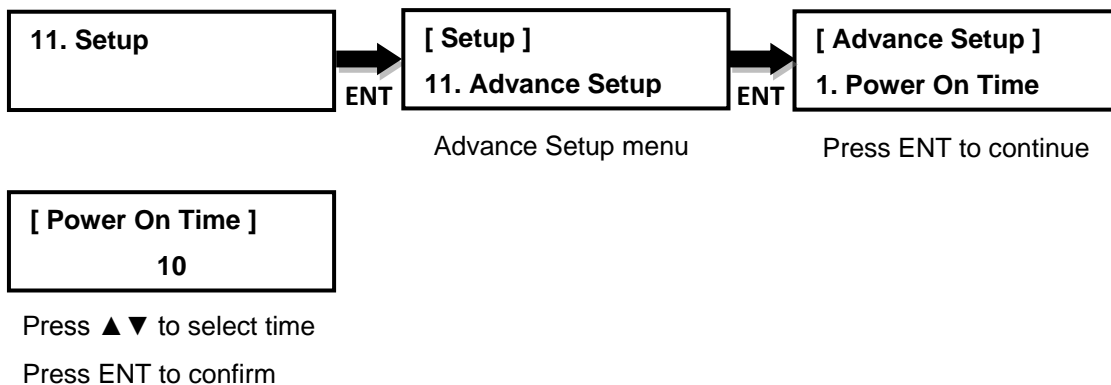| 11. Setup	**ENT** →	**[Setup]** 9. Language	**ENT** →	**[Language]** **English**
		Language menu		Press ▲ ▼ to select function Press ENT to confirm

11.10   Clear Setup

Reset the duplicator back to factory default settings.

11. Setup	**ENT** →	**[Setup]** 10. Clear Setup	**ENT** →	**Clear Parameter To default?** **Yes**
		Clear Setup menu		Press ▲ ▼ to select function Press ENT to confirm

→ **ENT** **Clear Parameter To default?**
All Parameters were cleared!

All setting cleared

11.11 Advance Setup

11.11.1 Power On Time

Set the amount of time the duplicator counts down before initializing the system. The default is **10** seconds. The time can be set from **3** to **120** seconds.

11. Setup	**ENT** →	**[Setup]** 11. Advance Setup	**ENT** →	**[Advance Setup]** 1. Power On Time
		Advance Setup menu		Press ENT to continue

[Power On Time]
10

Press ▲ ▼ to select time
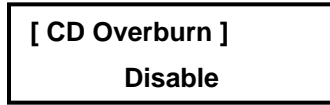
Press ENT to confirm

11.11.2 CD Overburn

Allow the copying of CDs that have been burned over their maximum capacity. The target disc(s) must be the same capacity as the master disc. The default is Disable.

11. Setup	**ENT**	[Setup] 11. Advance Setup	**ENT**	[Advance Setup] 2. CD Overburn

Press ENT to continue

[CD Overburn] Disable

Press ▲ ▼ to select choice

Press ENT to confirm

11.11.3 Boot Password

Sets password protection for the duplicator before the boot-up process can be started. The boot password prevents anyone unauthorized from using the duplicator system. If Disable is selected, no password will be set and the display will direct back to the Setup sub-menu. The default is Disable.

11. Setup	**ENT**	[Setup] 11. Advance Setup	**ENT**	[Advance Setup] 3. Boot Password

Press ENT to continue

[Boot Password] Disable	**ENT**	[Boot Password] ==> _	**ENT**	[Boot Password] ==> M A S T E R OK?

Press ▲ ▼ to select choice   Press ▲ ▼ to select character
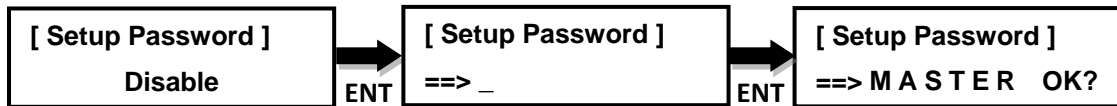
Press ENT to confirm   Press ENT to finish when all 6 character set

11.11.4 Setup Password

Sets password protection for the duplicator before the setup settings can be altered. The setup password prevents unauthorized changes to the system. If disable is selected, no password will be set and the display will direct back to the Setup sub-menu. The default is Disable.

11. Setup	→ ENT	[Setup] 11. Advance Setup	→ ENT	[Advance Setup] 4. Setup Password

Press ENT to continue

[Setup Password] Disable	→ ENT	[Setup Password] ==> _	→ ENT	[Setup Password] ==> M A S T E R OK?

Press ▲▼ to select choice   Press ▲▼ to select character
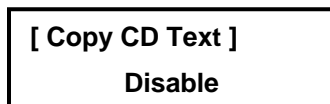
Press ENT to confirm   Press ENT to finish when all 6 character set

11.11.5 Copy CD Text

Allow the copying of the CD-TEXT on the master disc(s) to the target disc(s).
The default is Disable.

11. Setup	→ ENT	[Setup] 11. Advance Setup	→ ENT	[Advance Setup] 5. Copy CD Text

Press ENT to continue

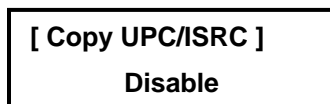| [Copy CD Text]
Disable |
|---|
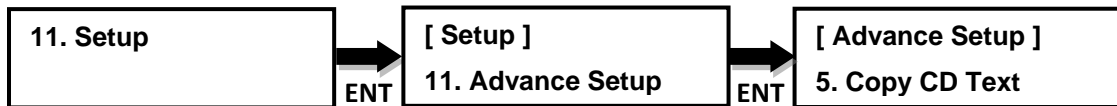
Press ▲▼ to select choice
Press ENT to confirm

11.11.6 Copy UPC/ISRC

Allow the copying of the UPC/ISRC on the master disc(s) to the target disc(s).
The default is Disable.

11. Setup	→ ENT	[Setup] 11. Advance Setup	→ ENT	[Advance Setup] 6. Copy UPC/ISRC

Press ENT to continue

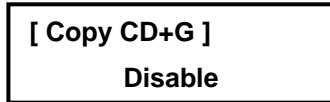| [Copy UPC/ISRC]
Disable |
|---|

Press ▲▼ to select choice
Press ENT to confirm

11.11.7 Copy CD+G

Allow the copying of CD+G files on the master disc(s) to the target disc(s). The default is Disable.

11. Setup	**ENT** →	[Setup] 11. Advance Setup	**ENT** →	[Advance Setup] 7. Copy CD+G

Press ENT to continue

[Copy CD+G] Disable

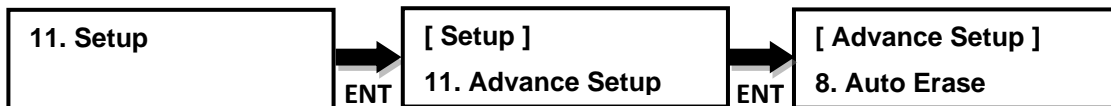Press ▲▼ to select choice
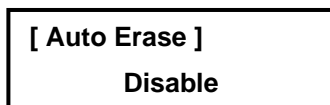
Press ENT to confirm

11.11.8 Auto Erase

Allows the erasing of files on the rewriteable CD's or DVD's. The default is Enable.

11. Setup	**ENT** →	[Setup] 11. Advance Setup	**ENT** →	[Advance Setup] 8. Auto Erase

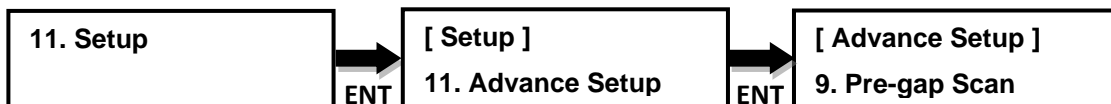Press ENT to continue

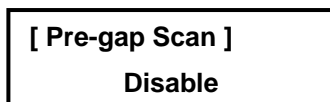| [Auto Erase]
Disable |
|---|

Press ▲▼ to select choice

Press ENT to confirm

11.11.9 Pre-gap Scan

Pre-gap on audio CD is gap between tracks. If user enables this function, duplicator will scan all pre-gaps on source audio CD and make a copy by the result. If user disables this function, a fixed two seconds will be filled in gap between tracks. The default is Disable.

11. Setup	**ENT** →	[Setup] 11. Advance Setup	**ENT** →	[Advance Setup] 9. Pre-gap Scan

Press ENT to continue

| [Pre-gap Scan]
Disable |
|---|

Press ▲▼ to select choice

Press ENT to confirm

11.11.10 L0 Break Point

The layer 0 break point is the place to switch from the first layer (L0) to second layer (L1). Duplicator allows user to set option for this breaking point.

By Source (default): Duplicator will burn the breaking point to target disc, following by break point place of source disc.

Optimization: Duplicator will automatically generate an optimized place and burn the breaking point.

11. Setup	→ENT	[Setup] 11. Advance Setup	→ENT	[Advance Setup] 10. L0 Break Point

Press ENT to continue

[L0 Break Point] By Source
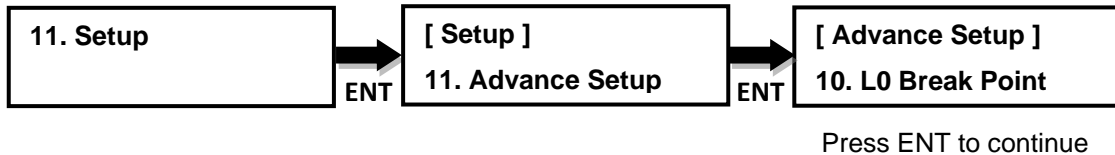
Press ▲ ▼ to select mode

Press ENT to confirm

11.11.11 Show Result Time

Allow the total result time to display on LCM. The default is Disable

11. Setup	→ENT	[Setup] 11. Advance Setup	→ENT	[Advance Setup] 11. Show Result Time

Press ENT to continue

[Show Result Time] Disable
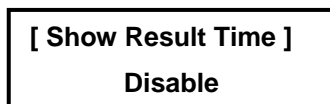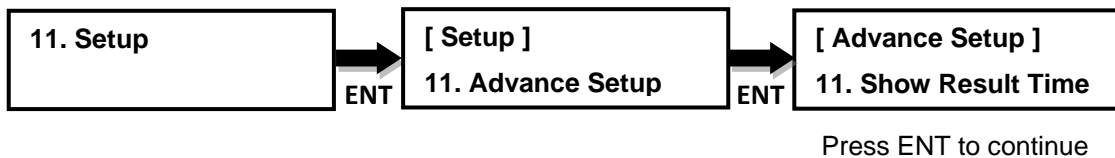
Press ▲ ▼ to select choice

Press ENT to confirm

11.11.12 Performance

Allow user to set priority of burning for performance.

Speed (default): duplicator can provide maximum data transfer rate.

Compatibility: can provide maximum range to work but less transfer rate.

Balance: duplicator will maintain copy's Compatibility but keeps its speed as possible.

11. Setup	**ENT**	[Setup] 11. Advance Setup	**ENT**	[Advance Setup] 12. Performance

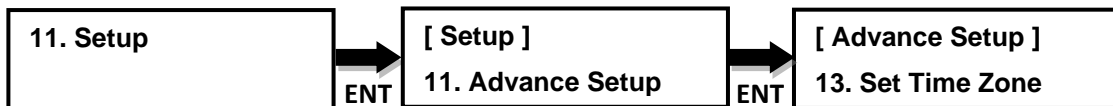Press ENT to continue

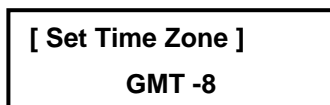| [Performance]
Speed |
|---|
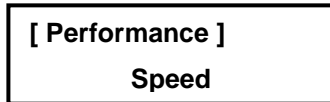
Press ▲▼ to select mode

Press ENT to confirm

11.11.13 Set Time Zone

Allows you setup a time zone for your specific region based on GMT to time stamp your copies.

11. Setup	**ENT**	[Setup] 11. Advance Setup	**ENT**	[Advance Setup] 13. Set Time Zone

Press ENT to continue

[Set Time Zone] GMT -8

Press ▲▼ to select time zone(**GMT +13~GMT -12**)

Press ENT to confirm

11.11.14 Show Image Name

Allow to display image file name or not on LCM when setting source is HDD. The default is Disable

11. Setup	**ENT**	[Setup] 11. Advance Setup	**ENT**	[Advance Setup] 14. Show Image Name

Press ENT to continue

[Show Image Name] Disable
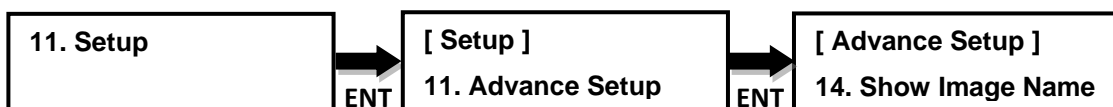
Press ▲▼ to select Choice

Press ENT to confirm
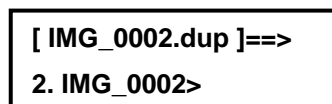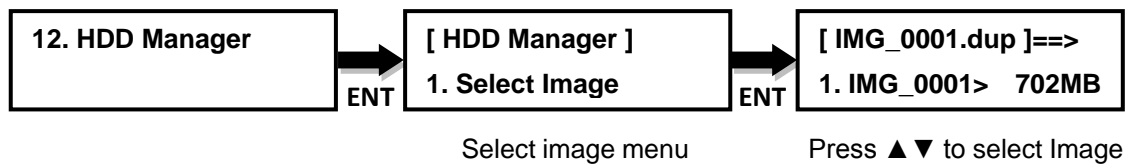
12. HDD Manager

This command is for the management of the hard disk drive (HDD) installed in the duplicator.

Note: This feature is only available on duplicators with a HDD installed. If there is no HDD present in the duplicator, this feature will NOT show in the menu of commands.

12.1 Select Image

Allow the selection of the image(s) present on the HDD to be used as source. The Scroll buttons cycle through the image(s) on the HDD and the ENT button confirms the selection while the BACK button cancels the selection.
The image(s) are listed in order of which they were loaded.

12. HDD Manager		[HDD Manager] 1. Select Image		[IMG_0001.dup]==> 1. IMG_0001> 702MB
	ENT		ENT	

Select image menu   Press ▲ ▼ to select Image

[IMG_0002.dup]==> 2. IMG_0002>

Press ▲ ▼ to select Image
Press ENT to confirm choice

12.2 Disc => Image

Transfer the information from the master CD/DVD to the HDD.
After the image(s) transfer is complete, the master disc is ejected and the source drive is changed to the HDD.

Note: The Source Disc may be placed in the Reader Drive or any of the Writer Drives.

12. HDD Manager		[HDD Manager] 2. Disc => Image		Copy x1 702M 0% 0M
	ENT		ENT	

Disc => Image menu   Working process

Result Pass 1   Fail 0

Final result
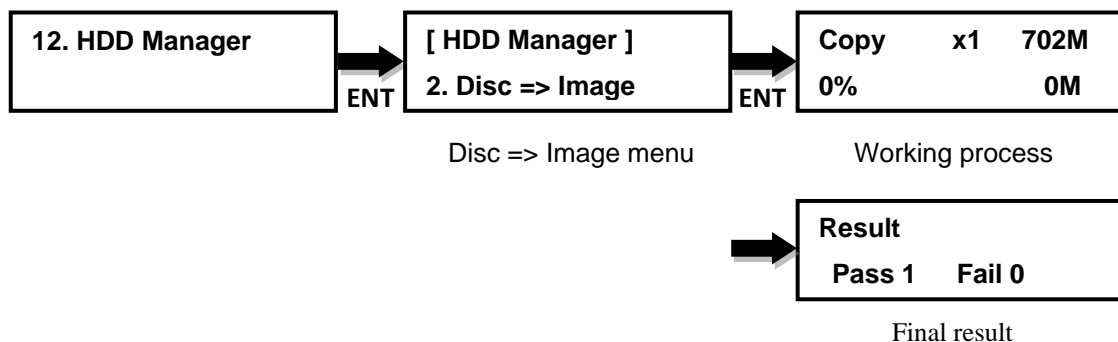
12.3 Image Information

Shows the image in sequential order, the file name of the image stored on the HDD, the type of image stored, and the amount of data the image contains.

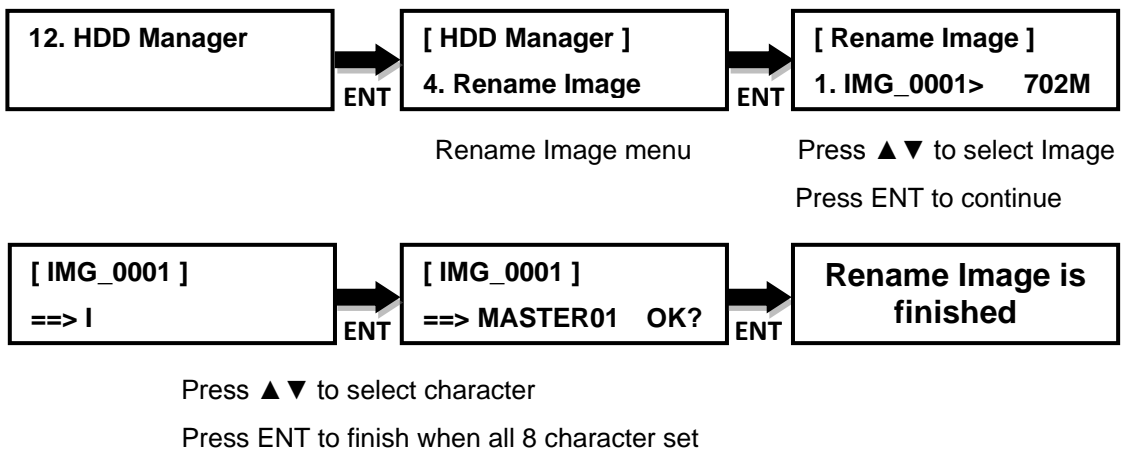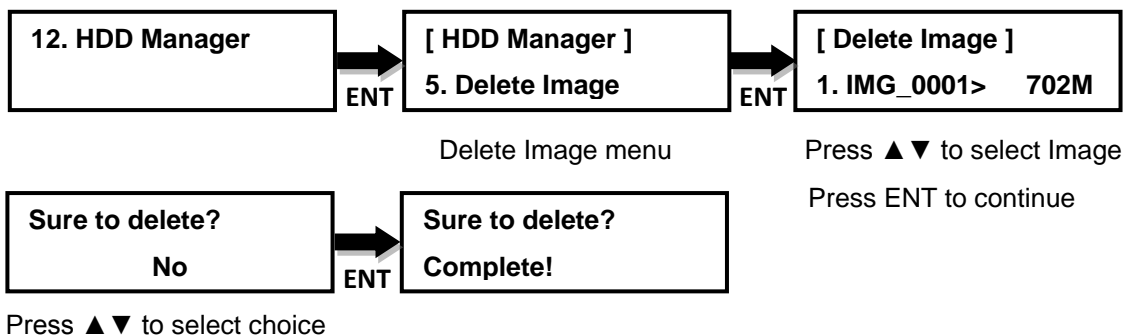| 12. HDD Manager | **ENT** → | [HDD Manager]
3. Image Information | **ENT** → | 1.[IMG_0001.dup]
CD   1Trk   702MB |

Image Information menu   Info display

| 2.[IMG_0002.dup]
CD   1Trk   697MB |

Press ▲ ▼ to change Image

IMG_0001.dup: The Image's name
CD: Disc's type.
702MB: Total file capacity of disc
1Trk: The number of image's track.
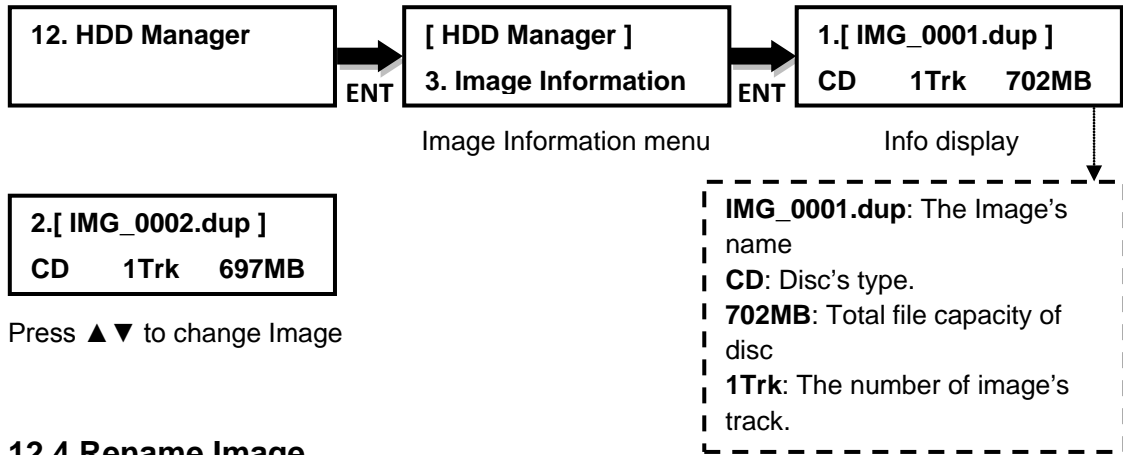
12.4 Rename Image

Rename the image instead of using default file names (IMG_0001, IMG_0002, etc.). Up to 8 characters.

| 12. HDD Manager | **ENT** → | [HDD Manager]
4. Rename Image | **ENT** → | [Rename Image]
1. IMG_0001>   702M |

Rename Image menu   Press ▲ ▼ to select Image
                                    Press ENT to continue

| [IMG_0001]
==> I | **ENT** → | [IMG_0001]
==> MASTER01   OK? | **ENT** → | **Rename Image is finished** |

Press ▲ ▼ to select character

Press ENT to finish when all 8 character set

12.5 Delete Image

Deletes the image(s) from the HDD and reclaims the space occupied by the image on the HDD.

| 12. HDD Manager | **ENT** → | [HDD Manager]
5. Delete Image | **ENT** → | [Delete Image]
1. IMG_0001>   702M |

Delete Image menu   Press ▲ ▼ to select Image
                                    Press ENT to continue

| Sure to delete?
No | **ENT** → | Sure to delete?
Complete! |

Press ▲ ▼ to select choice

12.6 HDD Information

Show the number of images and amount of free space available.

12. HDD Manager	**ENT** →	[HDD Manager] 6. HDD Information	**ENT** →	Image 1 Free 476056MB

HDD Information menu   Info display

> **Image 1**: Number of Images
> **Free 476056MB**: Total free space of this HDD.
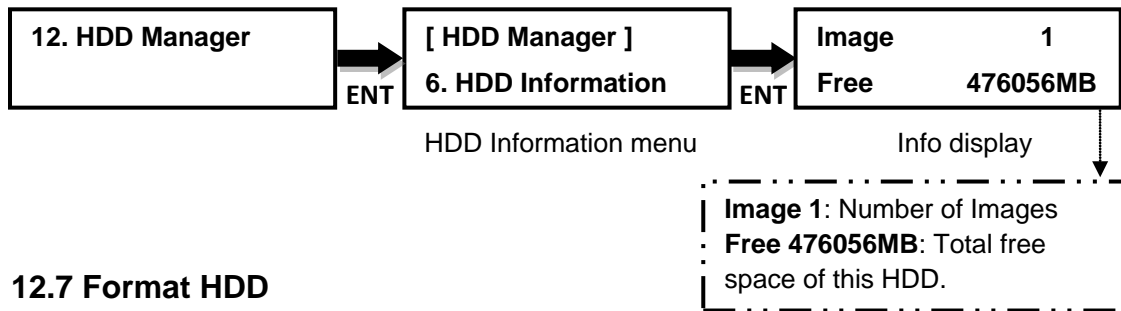
12.7 Format HDD

Deletes and formats all image(s) on the HDD, restores the HDD to factory defaults and initializes the HDD for use with the duplicator.

12. HDD Manager	**ENT** →	[HDD Manager] 7. Format HDD	**ENT** →	Sure to format? Yes

Format HDD menu   Press ▲ ▼ to select choice

Press ENT to continue

Sure to format? Complete!
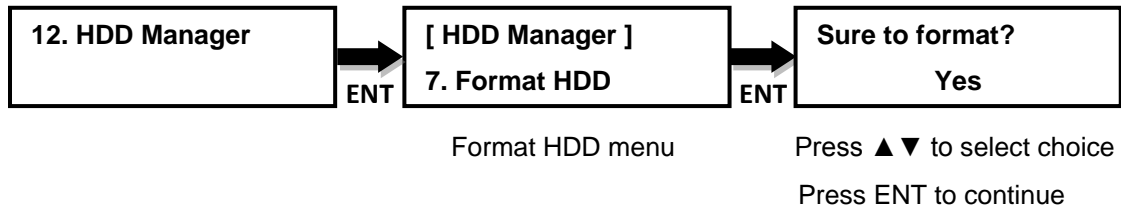
12.8 HDD Setup

12.8.1 Load and Copy

There are three (3) options in this function: OFF, Synchronous, and Load First.
OFF (default): Disables the load and copy function. No temporary image is loaded to the HDD during the copy process.
Load First: Complete loading of the image to the HDD before automatically begins the copy process from the image stored on the HDD to all target disc(s). Image is loaded one at a time and copied to the Writer Drives with blank disc(s) ready. The image is stored in a [TEMP] partition on the HDD.
Synchronous: Loads the image at the same time while the duplicator is making copies from the master disc to the blank discs. As the copies being made, the image is also being created and stored on the HDD.

12. HDD Manager	**ENT**	[HDD Manager] 8. HDD Setup	**ENT**	[HDD Setup] 1. Load and Copy
		HDD Setup menu		Press ENT to continue

[Load and Copy] OFF

Press ▲▼ to select mode

Press ENT to confirm choice

12.8.2   Failed Image

Set **delete** (default) or **reserve** the failed image.

12. HDD Manager	**ENT**	[HDD Manager] 8. HDD Setup	**ENT**	[HDD Setup] 2. Failed Image
		HDD Setup menu		Press ENT to continue

[Failed Image] Delete
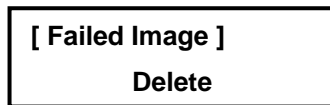
Press ▲▼ to select mode
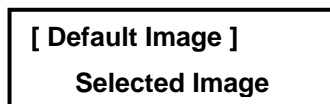
Press ENT to confirm choice

12.8.3 Default Image

Select the default image from the hard drive.

Available options: Selected Image (default) , **First Image** and **Latest Image**.

12. HDD Manager	**ENT**	[HDD Manager] 8. HDD Setup	**ENT**	[HDD Setup] 3. Default Image
		HDD Setup menu		Press ENT to continue

[Default Image] Selected Image

Press ▲▼ to select mode

Press ENT to confirm choice

IV. Basic Troubleshooting

Follow these simple steps for quick and proper troubleshooting.

Issue 1: Power does not turn on or unit receives no power.

a. Check power cord and outlet to make sure power connections are secured.

b. Check voltage switch on the back of the duplicator to make sure power supply is set for correct outlet rating.

c. Test with another power cord (same as a PC power cord) to eliminate cable failure.

Issue 2: Master disc cannot be read

a. Change the master disc. The master disc may be of poor quality or with error(s) that can make duplication difficult or impossible.

b. Remake the master disc on another disc. Master disc may be of poor quality or with error(s) that make duplication difficult or impossible.

c. Change the source drive to one of the other drives to test.

d. Make sure the master disc is finalized in standard ISO format.

Issue 3: High failure rate

a. Change the media type. Certain types of media may not be compatible with the drives. Poor-quality media can also cause high failure rate.

b. Lower the burn speed and attempt another copy process. Lowering the speed increases the stability of the duplication process.

c. Check for available firmware updates for the unit. A firmware update may resolve any unspecified issues.

Issue 4: Machine locks up during the copy process

a. Hold down the ESC button to abort the copy process. The copy process will cancel and menu goes back to the last function executed.

b. If the button cancel does not work, power cycle the unit (power the unit off, leave off for five seconds and power the unit back on).

c. Change the master disc. A master disc with error(s) or a poor quality master disc can cause duplication to lock up at particular points during the copy process.

Issue 5: Button(s) do not function on the unit.

a. The duplicator may be busy. Buttons pressed while the duplicator is processing will not perform functions unless otherwise specified.

b. Possible faulty button. Contact your technical support department for further information.

Issue 6: One of the drives does not open and/or LED does not light up
a. Check USB and/or Fire wire port switch and make sure the switch is in the OFF position before machine power is turned on.
b. If a disc is stuck inside a drive, insert a paper clip or safety pin in the pinhole underneath the drive door and push gently. Make sure the power is OFF during this step. Then press the EJECT button of the drive a few times to test the disc tray.

Issue 7: The blank CD/DVD/Blu-ray is not recognized in the writer drive(s)
a. Test the blank disc in another writer drive. A faulty writer drive will not recognize blank discs.
b. Change the blank disc to another disc. A defective blank disc will not be recognized by the writer drive.