Media Maven
Media Maven Plus

DVD/CD Duplicator

User's Manual

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I. Introduction

Thank you for purchasing the Media Maven and or Media Maven Plus DVD/CD Duplicator. This duplicator is specifically engineered to run stand-alone without additional computer. With a simple four-button interface and a USB shortcut button, the Media Maven/Media Maven Plus Duplicator provides a fast and reliable solution for CD and DVD duplication up to 11 targets (10 targets for Media Maven Plus) from one single source disc or USB flash drive.

1. Features

· Serial ATA (SATA) interface: Faster transfer rate, more reliable error check.
· 5-button control panel: Functional and user-friendly design
· USB-to-disc duplication: Transfer important data from erasable USB drive to standardized DVD/CD disc.
· DVD/CD duplication: Proven performance & compatibility
· USB-to-USB duplication: Quickly copy from USB drive to USB drive

2. LCD Front Panel Overview

Media Maven:
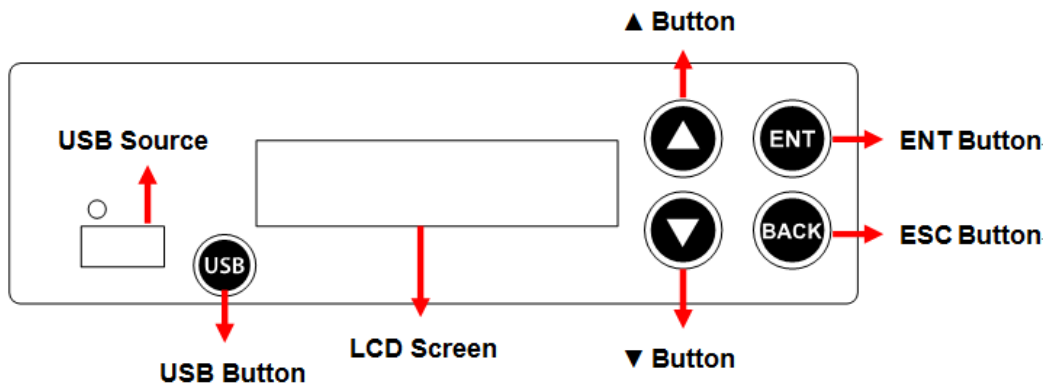
▲**Button:** *Up, Backward:* To navigate backward in the menu.
▼**Button:** *Down, Forward:* To navigate forward in the menu.
ENT Button: *Enter, OK:* Execute the function.
ESC Button: *Escape, Cancel:* Go back to the previous level in the menu.
USB Button: A shortcut to copy from a USB flash drive to disc(s). Please follow the on-screen instructions to continue the process after pressing the One-Touch Button.

Media Maven Plus:

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

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

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

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

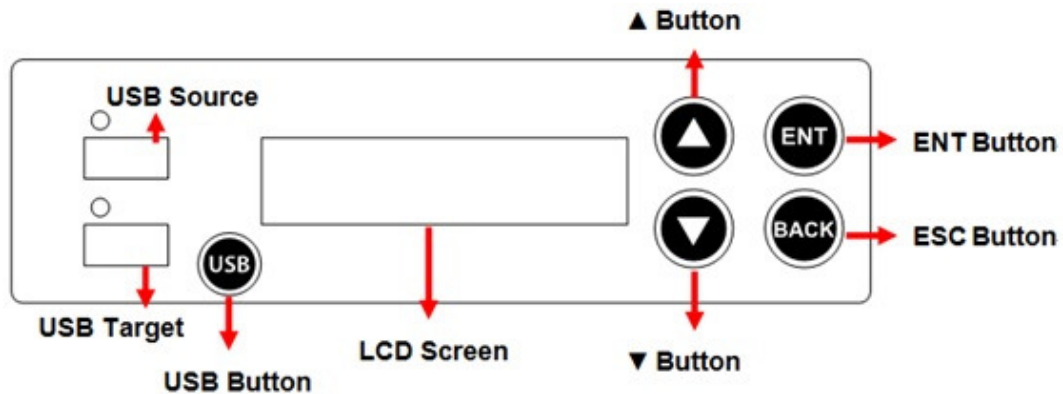**USB Button**: A shortcut to copy from a USB flash drive to disc(s). Please follow the on-screen instructions to continue the process after pressing the One-Touch Button.

3. Specifications

Model	Media Maven or Media Maven PLUS
Target	Media Maven：up to 11 target Media Maven PLUS：up to 10 (USB port excluded)
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)
Supported Media for USB	USB Device 1.0/2.0/3.0
Control Button	5 buttons, including 1 USB shortcut 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 writing speed depends on media & drive specifications)
Copy Speed for USB	Up to 2GB per Minute
Supported File System Format for USB to USB	FAT16, FAT32, exFAT, NTFS (Windows), ext2, ext3, ext4 (Linux), HFS/HFS+ (Mac)
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. 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.

2. DO NOT turn off the duplicator machine or remove the optical drive when the task is under process. It may damage the duplicator or the optical drive.

3. DO NOT plug in USB flash drive until the duplicator boots up. It may cause abnormal results if a USB flash drive with quality issue is plugged in during boot up.

4. It is strongly recommended that the capacities of the source and target media are equal or similar.

5. The media plugged into the source drive or source USB port will not be overwritten (it is read only), avoiding the erase of the original data by accident.

III. Menu

1. Copy

There are three (3) copy modes: 1. Disc to Disc; 2. USB to Disc; 3. USB to USB (only available on Media Maven Plus model).

1. Copy	[Copy]	[Copy]
# 0 : No Disc => 0	1. Disc To Disc	2. USB To Disc

No Disc is inserted	Press ENT button and get into the 1st copy mode by default	Press ▼ or ▲Button to select different copy mode
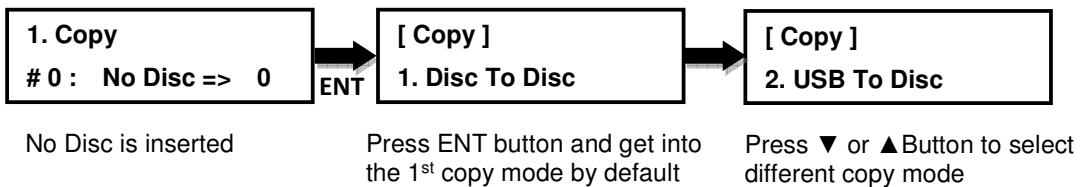
1.1 Disc to Disc

This copy mode will copy the source disc placed in the designated source drive to all target discs in the writer drives. This process writes all data contained on the source disc to the target discs so the copies are exact the duplicates of the source disc.

1. Copy	[Copy]	Copy x 5 2048M
# 0 : No Disc => 0	1. Disc To Disc	10% 8.9X 204M

Result :	**x 5:** number of target discs
Pass 5 Fail 0	**2048M**: source data capacity
	10%: rate of copy progress
	8.9X: writing speed
	204M: data copied so far
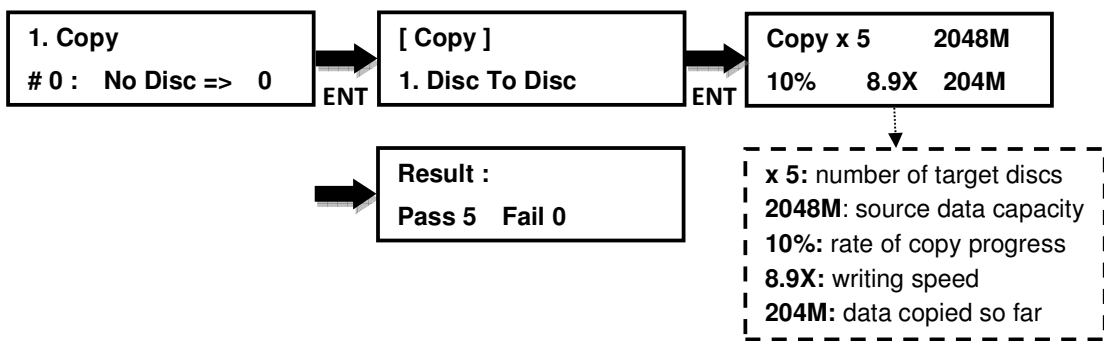
1.2 USB to Disc

This copy mode will copy the data from the source USB drive to all target discs in the Writer Drives. Only the available data will be copied. Supported file system formats are FAT16, FAT32, and exFAT.

In order to allow a large capacity USB drive to be copied across multiple target discs, Disc Spanning technology is applied to the duplication. The system will detect the source data capacity and calculate how many discs are needed.

For example, a USB pen drive with 7322MB data is to be copied to DVD discs. After the USB pen drive and a DVD disc are placed into the duplicator, press ENT, the system will show "Need 2 DVD Discs". Press ENT to continue the process. Duplicator will automatically eject the DVD disc when 4262MB of data has been copied, and wait for the next DVD disc. Take out the copied disc, put in another blank DVD disc and close the tray, then press ENT to continue the copy process. Duplicator will copy the remaining 3060MB of data from USB pen drive to the second DVD disc.

[Copy]	**Need 2 DVD Discs**	**Write 1/2 4262M**
2. USB To Disc	**=> Continue**	**TTL7322M 426M**

(ENT) between boxes 1 and 2, *(ENT)* between boxes 2 and 3.

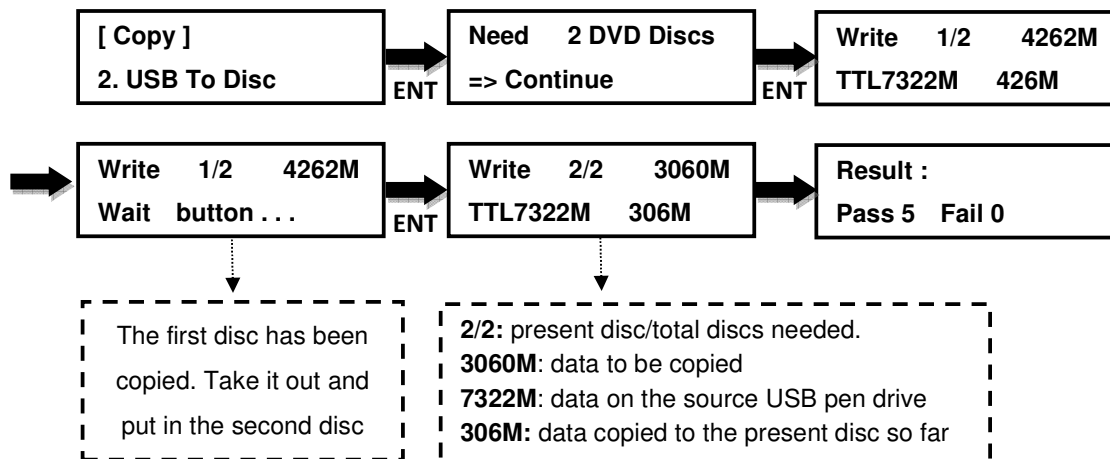| **Write 1/2 4262M**	**Write 2/2 3060M**	**Result :**
Wait button . . .	**TTL7322M 306M**	**Pass 5 Fail 0**

(ENT) between boxes.

The first disc has been copied. Take it out and put in the second disc

2/2: present disc/total discs needed.
3060M: data to be copied
7322M: data on the source USB pen drive
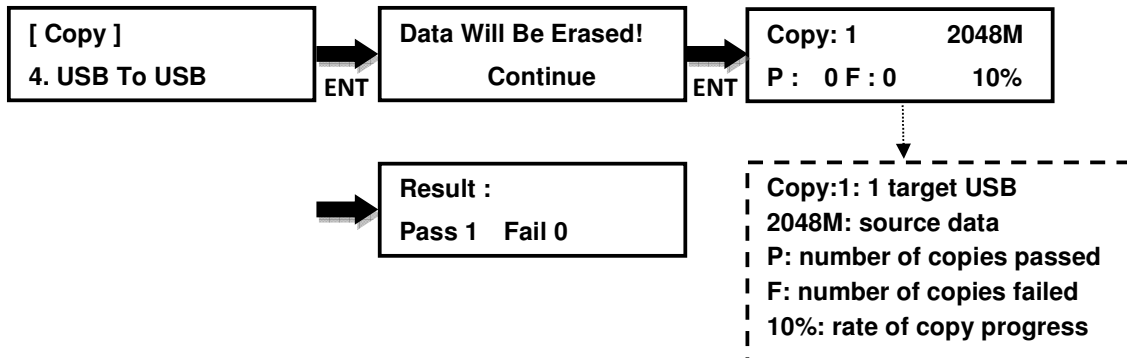**306M:** data copied to the present disc so far

1.3 USB to USB

This copy mode will copy the data from the source USB drive to the target USB drive. Only the available data will be copied. Most of the file system formats are supported, including Windows FAT16, FAT32, exFAT, NTFS; Linux ext2, ext3, ext4; Mac HFS/HFS+.
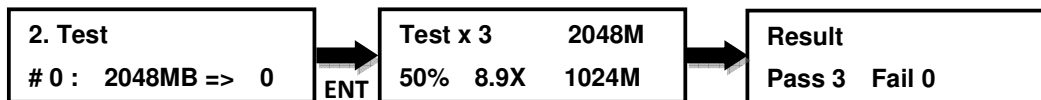
Note:

1. *This function is only available on the Media Maven Plus model.*

2. The original data content of target USB drive will be erased after the copy process. Please make sure the data can be erased before copy.

[Copy] 4. USB To USB	**ENT** ➡	Data Will Be Erased! Continue	**ENT** ➡	Copy: 1 2048M P : 0 F : 0 10%

➡ | Result :
Pass 1   Fail 0 |

```
Copy:1: 1 target USB
2048M: source data
P: number of copies passed
F: number of copies failed
10%: rate of copy progress
```

2. Test

This command will simulate the copy process and make sure all target discs are usable. The test process does NOT write 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 # 0 : 2048MB => 0	**ENT** ➡	Test x 3 2048M 50% 8.9X 1024M	➡	Result Pass 3 Fail 0

Note: Test mode can only be done with BD-R, 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=> 0	**ENT** ➡	Copy x 3 2048M 50% 8.9X 1024M	➡	**Copy process is finished**

➡ | Verify x 3   2048M
50%   8.9X   1024M | ➡ | Result
Pass 3   Fail 0 |
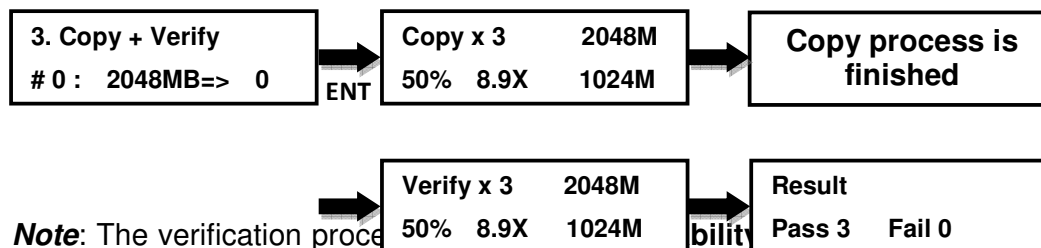
Note: The verification proce~~ss~~ bilit~~y~~ check the presence of data on each copy. This process does not compare the contents of duplicated discs against that of the source. It only verifies that the duplicated discs are readable.

4. Copy + Compare

This command will perform the copy process, and immediately follow with a comparison between the source disc and the copied disc(s) automatically to ensure the copies are the exact duplicates of the source disc. This command is especially useful for BDs, DVDs, data CDs and video CDs.

4. Copy + Compare	→	Copy x 3 2048M	→	**Copy process is**
# 0 : 2048MB=> 0		50% 8.9X 1024M		**finished**

→	Compare x 3 2048M	→	Result
	50% 8.9X 1024M		Pass 3 Fail 0
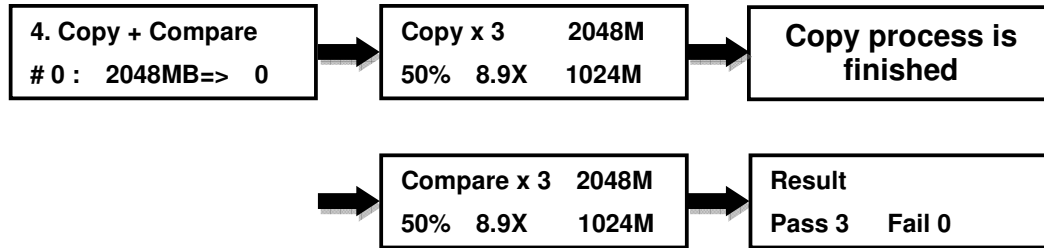
Note:

1. The Compare process is a bit-by-bit comparison between the source disc and the copied discs.

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

3. This command is not applicable to audio CDs.

5. Verify

This command verifies readability on the target discs. It is especially useful for audio CD duplication.

5. Verify	→	Verify x 3 2048M	→	Result
# 0 : 2048MB => 0	ENT	50% 8.9X 1024M		Pass 3 Fail 0

6. Compare

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

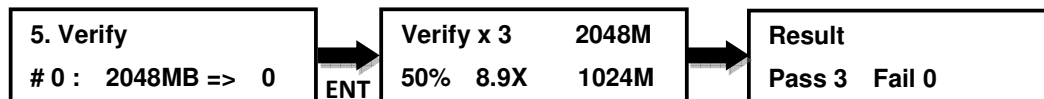| 6. Compare	→	Compare x 3 2048M	→	Result
# 0 : 2048MB => 0	ENT	50% 8.9X 1024M		Pass 3 Fail 0
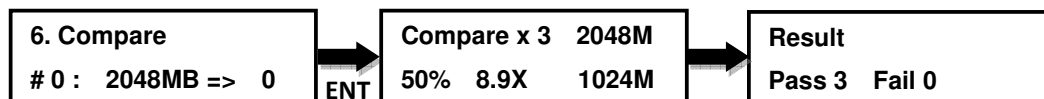
7. Set Burn Speed

This command allows to set the burn speed for various types of disc: CDs (data and VCDs), audio CDs, DVDs, 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 = 40 | **ENT** → | [Set Burn Speed]
Audio CD = 24 |
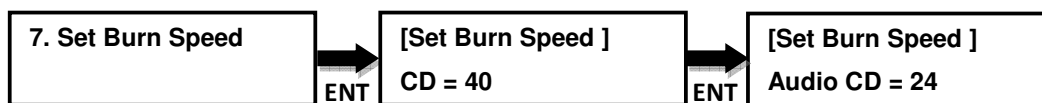
Press ▲▼ to select the desired burn speed

8. Source Select

This command allows to change the source drive to any one of the drive(s) built inside the duplicator, including the HDD if installed.

| 8. Source Select | **ENT** → | [Source Select]
First Drive | → | [Source Select]
HDD |
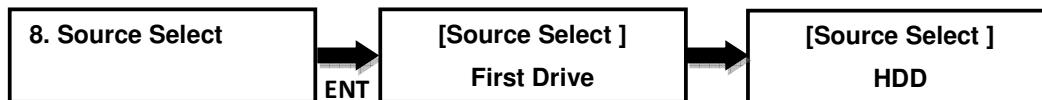
Press ▲▼ to select the source

Selectable source:

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

HDD: Choose the Hard Disk Drive as source if installed.

Port [#]: Choose one duplicator port as source.

Auto: System will automatically detect the duplicator ports and set the one with source disc as the source.

9. Track Edit

9.1 Copy Track

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

```
┌ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ┐        ┌ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ┐
  [ + ] tracks selected          [ + ] C : D
  A/B        Length              + E/12   Length
└ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ┘        └ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ┘
```

A : present track   **C** : total number of tracks selected
B : total tracks   **D** : list of tracks selected
                               E : the present track selected

```
┌───────────────────┐        ┌───────────────────┐        ┌───────────────────┐
│ [ Track Edit ]    │        │ [ + ] none        │        │ [ + ] 1 : 1       │
│ 1. Copy Track     │ ──ENT─→│ 1/12      03:03   │ ──ENT─→│ + 1/12      03:03 │
└───────────────────┘        └───────────────────┘        └───────────────────┘
```
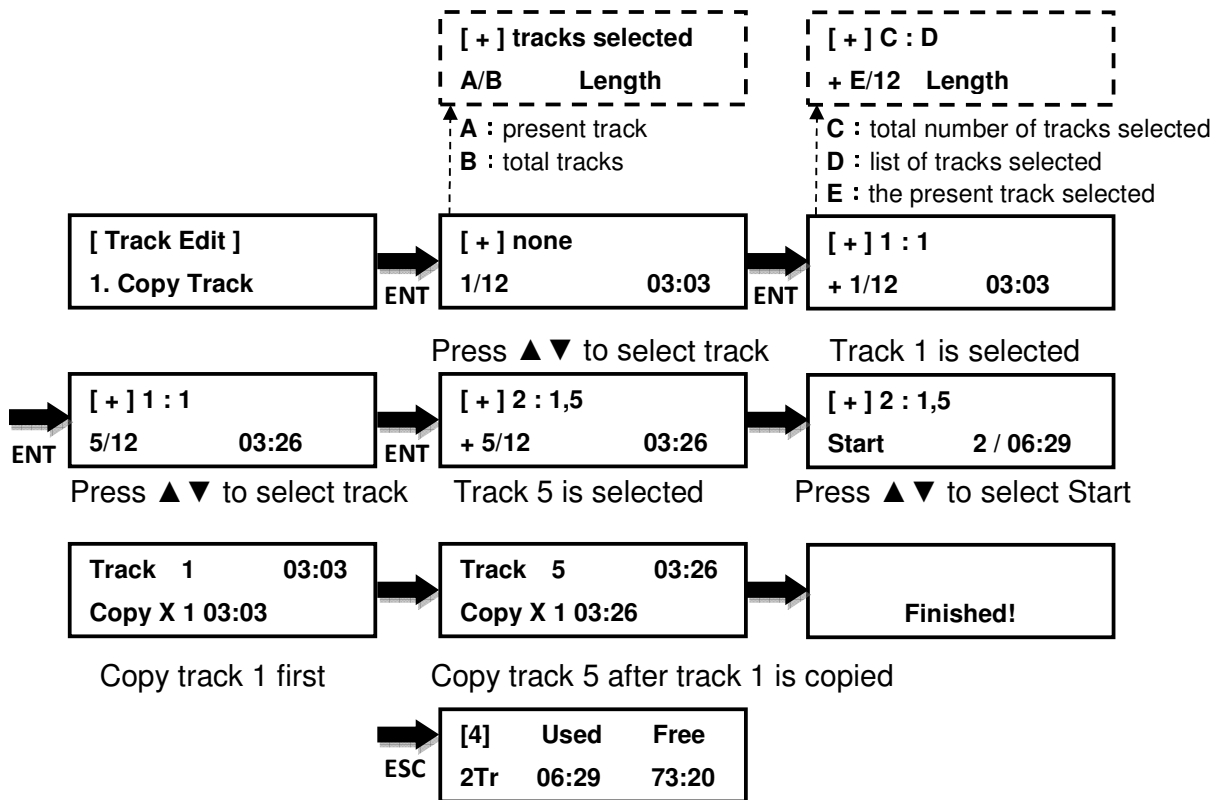
          Press ▲ ▼ to select track   Track 1 is selected

```
        ┌───────────────────┐        ┌───────────────────┐        ┌───────────────────┐
        │ [ + ] 1 : 1       │        │ [ + ] 2 : 1,5     │        │ [ + ] 2 : 1,5     │
──ENT──→│ 5/12      03:26   │ ──ENT─→│ + 5/12      03:26 │ ──────→│ Start     2 / 06:29│
        └───────────────────┘        └───────────────────┘        └───────────────────┘
```

Press ▲ ▼ to select track   Track 5 is selected   Press ▲ ▼ to select Start

```
┌───────────────────┐        ┌───────────────────┐        ┌───────────────────┐
│ Track   1   03:03 │        │ Track   5   03:26 │        │                   │
│ Copy X 1 03:03    │ ──────→│ Copy X 1 03:26    │ ──────→│     Finished!     │
└───────────────────┘        └───────────────────┘        └───────────────────┘
```

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

```
        ┌───────────────────┐
        │ [4]    Used   Free │
──ESC──→│ 2Tr  06:29   73:20 │
        └───────────────────┘
```

Note: Press ▲ ▼ to check the disc information

1. The function can be executed again if the target disc has free space.

2. Please execute **Close Disc** when the target disc space is full, or no more tracks will be added onto it.
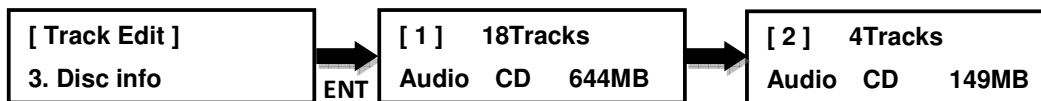
9.2 Close Disc

This command will close audio CDs. After finishing Copy Track above, the **Close Disc** is needed to finalize the disc. Without doing this process, the disc cannot be played on some CD/DVD player.

```
┌───────────────────┐        ┌───────────────────┐        ┌───────────────────┐
│ [ Track Edit ]    │        │ [ Track Edit ]    │        │ [ Track Edit ]    │
│ 2. Close Disc     │ ──ENT─→│ Finalizing……     │ ──────→│ Finished!         │
└───────────────────┘        └───────────────────┘        └───────────────────┘
```

9.3 Disc info

This command allows to look up the information for each disc

```
┌───────────────────┐        ┌───────────────────┐        ┌───────────────────┐
│ [ Track Edit ]    │        │ [ 1 ]   18Tracks  │        │ [ 2 ]    4Tracks  │
│ 3. Disc info      │ ──ENT─→│ Audio  CD   644MB │ ──────→│ Audio  CD   149MB │
└───────────────────┘        └───────────────────┘        └───────────────────┘
```
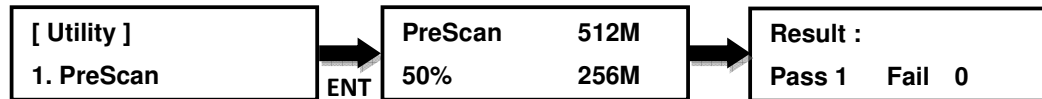
Press ▲ ▼ to select the disc

10. Utility

10.1 PreScan

It will pre-scan the source disc and verify the integrity and quality of the source disc. Execute this function before the copy process starts, it will ensure the source disc can be copied in the duplicator if the result is passed.

[Utility]		PreScan 512M		Result :
1. PreScan	**ENT**	50% 256M		Pass 1 Fail 0

10.2 Quick Erase

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

[Utility]		[Quick Erase]		Result :
2. Quick Erase	**ENT**	x 1 00 : 27		Pass 1 Fail 0

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

10.3 Full Erase

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

[Utility]		[Full Erase]		Result :
3. Full Erase	**ENT**	x 1 00 : 27		Pass 1 Fail 0
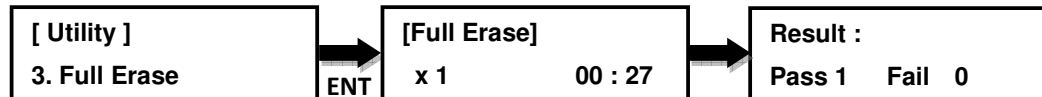
Note: Do NOT perform this function with recordable (R) media

10.4 Eject All Trays

Performs ejection simultaneously of all the optical disk drive(s) on the duplicator.

[Utility]	
4. Eject All Trays	**ENT**

All trays are ejected.
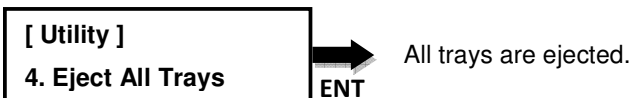
Note: Double press **ESC** at the first layer of the menu can also eject all trays.

10.5 Disc Information

This command checks the disc information inside of the drive(s), including the USB flash drive.

[Utility]	[1] USB	[2] 4Tracks
5. Disc Information	**ENT** FAT32 3523M	Audio CD 114M

Press ▲ ▼ to select the disc

10.6 Drive Information

Checks the make, model, and firmware of the drive(s) that are built in and connected to the duplicator controller ports.

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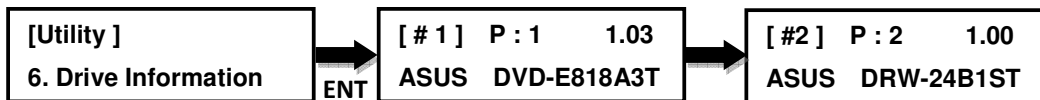
Press ▲ ▼ to select the drive

> **[# 2]**:Number of the drive.
> **P : 2**: Number of the controller port
> **1.03**: Version of the drive's firmware
> **ASUS**: The drive's brand
> **DVD-E818A3T**: Drive's model

10.7 System Information

Checks the model number, buffer memory and firmware version of the duplicator system (controller).

[Utility]	A0111B 128M	ID number
7. System Information	**ENT** v1.05.12	XXXXXXXXXXXXXXX
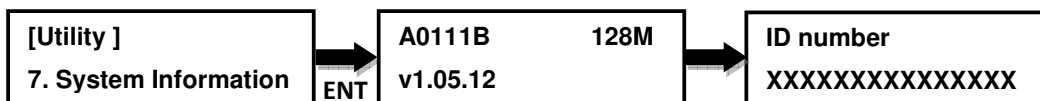
> **A0111B**: The controller model
> **128MB**: System memory
> **v1.05.12**: Version of firmware
> **ID number**: The controller's ID

10.8 Update BIOS

This command allows to update the firmware of duplicator when necessary. Please obtain proper update firmware file from manufacturer and burn the un-zipped files to a CD or DVD disc supported by the duplicator. Once the update process is completed, the duplicator will reboot automatically to activate the new firmware.

[Utility]	Update BIOS	[Update BIOS]
8. Update BIOS	**ENT** Searching....	Complete! Reboot!

Note: 1. Please insert the disc with firmware to the source drive.
2. DO NOT put the firmware files in a folder.

10.9 Copy Counter

It keeps track of the numbers of successful and failed copies made by the duplicator for CDs and DVDs. There are three options: Show Count (to display current copy counter), Enable Counter (to turn the counter on or off) and Clear Counter (to clear counter).
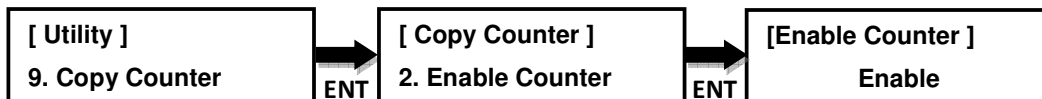
10.9.1   Show Count

This command can display the numbers of successful and failed copies made by the duplicator for CDs and DVDs. The counters will be reset automatically when the duplicator is turned off.

[Utility]		[Copy Counter]		Pass: 0
9. Copy Counter	ENT	1. Show Count	ENT	Fail: 0
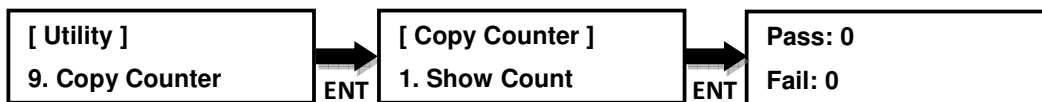
10.9.2   Enable Counter

This command allows to choose if the counter is enabled or disabled.

[Utility]		[Copy Counter]		[Enable Counter]
9. Copy Counter	ENT	2. Enable Counter	ENT	Enable

Press ▲ ▼ to select the setting

10.9.3   Clear Counter

This command can clear counter.

[Utility]		[Copy Counter]		Erasing Count
9. Copy Counter	ENT	3. Clear Counter	ENT	Complete!
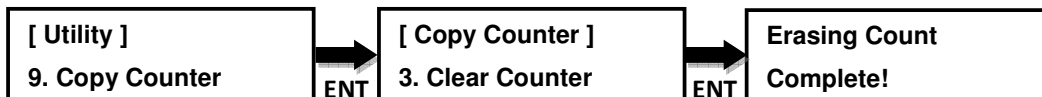
11. Setup

11.1 Start-up Menu

It sets the command to be displayed first when the duplicator is powered up and initialized. All primary commands are available to be set up as Start-up: **Copy**, **Test**, **Copy + Verify**, **Copy + Compare**, **Verify**, **Compare**.

11. Setup		[Setup]		[Start-up Menu]
	ENT	1. Start-up Menu	ENT	Copy

Press ▲ ▼ to select function

11.2 Auto Start

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

| 11. Setup		[Setup] 2. Auto Start		[Auto Start] Time : OFF
	ENT		ENT	

Press ▲ ▼ to select time

11.3 Display Mode

It changes the display readout during the performance of various commands.
"**Basic**" mode displays a progress bar, along with the amount of total data in MB on the source DVD (or in time for the source audio CD).
"**Expert**" mode displays the percentage of the process completed, the amount of data transferred and the total amount of data on the source 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	
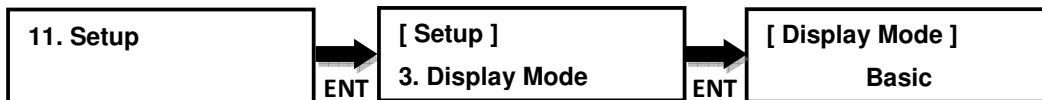
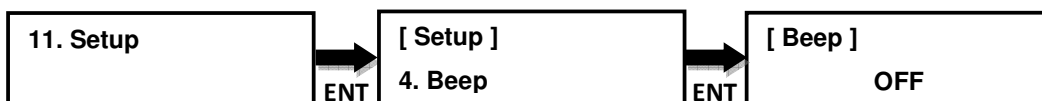Press ▲ ▼ to select mode

11.4 Beep

Turns the audio signal (a beeping sound) ON or OFF when pressing the operational buttons.

Button&Warning: The duplicator makes beep sound and warning when pressing button or error occurred.
Warning Only: The duplicator makes warning only when error occurred.
OFF: The duplicator won't make beep sound nor warning.

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

Press ▲ ▼ to select mode

11.5 Power on Eject

Allows the drive(s) to eject the disc tray(s) when the duplicator is power on and initialized.
**Eject All Discs**: Duplicator will eject all disc trays with disc inside.
Eject All Trays: Duplicator will eject all disc trays no matter if a disc is inside.
Do Not Eject: Duplicator will not eject any trays.

Eject Targets Only: Duplicator will only eject target drive trays.

Eject Source Only: Duplicator will only eject source drive trays.

| 11. Setup	→ ENT	**[Setup]** 5. Power on Eject	→ ENT	**[Power on Eject]** **Eject All Discs**
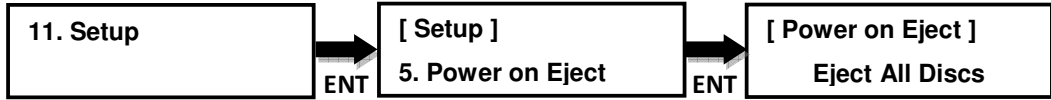
Press ▲ ▼ to select option

11.6 Reader Speed

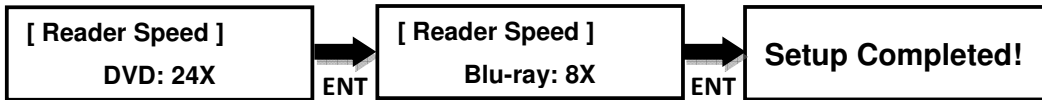Sets the reader speed for the duplicator to read the source disc(s).

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	→ ENT	**[Reader Speed]** **CD: 56X**

Press ▲ ▼ to select speed
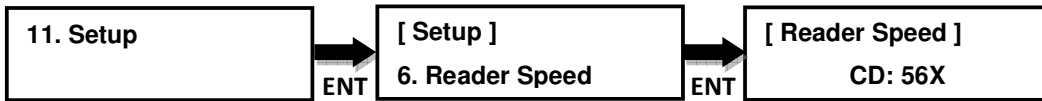
[Reader Speed] **DVD: 24X**	→ ENT	**[Reader Speed]** **Blu-ray: 8X**	→ ENT	**Setup Completed!**

11.7 Compare Speed

Sets the speed at which the source disc is compared with the copied disc(s).
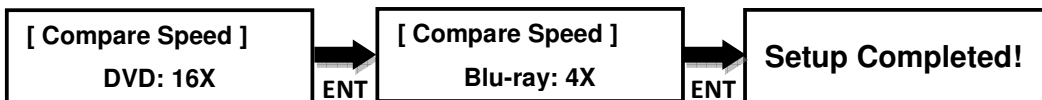
Selectable Compare speeds:

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

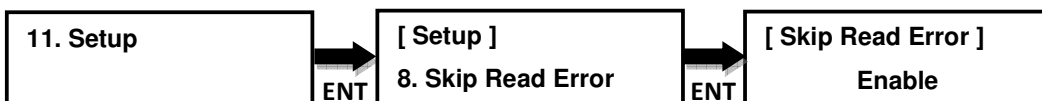**DVD**: 1, 2, 2.4, 4, 6, 8, 12, 16(default), 18, 20, 24, MAX.

11. Setup	→ ENT	**[Setup]** 7. Compare Speed	→ ENT	**[Compare Speed]** **CD: 40X**

Press ▲ ▼ to select speed

[Compare Speed] **DVD: 16X**	→ ENT	**[Compare Speed]** **Blu-ray: 4X**	→ ENT	**Setup Completed!**

11.8 Skip Read Error

Allows the duplicator to skip uncorrectable read errors on the source disc.

11. Setup	→ ENT	**[Setup]** 8. Skip Read Error	→ ENT	**[Skip Read Error]** **Enable**

Press ▲ ▼ to select option

11.9 Language

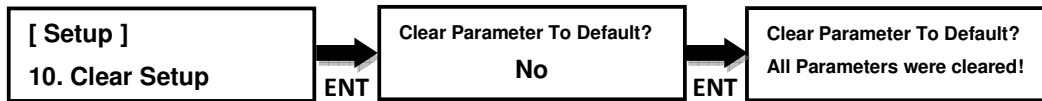Selects the language for the display. Available languages are: **English** (default), **Spanish**, **Portuguese**, and **Japanese**.

11. Setup		[Setup] 9. Language		[Language] English
	ENT		**ENT**	
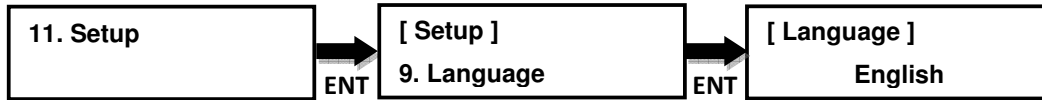
Press ▲ ▼ to select language

11.10   Clear Setup

Resets the duplicator back to factory default settings.

| [Setup] 10. Clear Setup		Clear Parameter To Default? **No**		Clear Parameter To Default? All Parameters were cleared!
	ENT		**ENT**	

Press ▲ ▼ to select option

11.11   Advance Setup

11.11.1 Power on Time

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

[Setup] 11. Advance Setup		[Advance Setup] 1. Power on Time		[Power on Time] 10
	ENT		**ENT**	
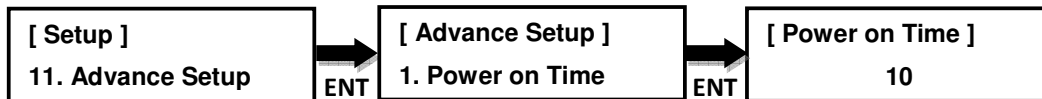
Press▲ ▼ to select time

11.11.2 CD Overburn

Allows duplication of a CD that has been burned over its maximum capacity. The target disc(s) must be the same capacity as the source disc.
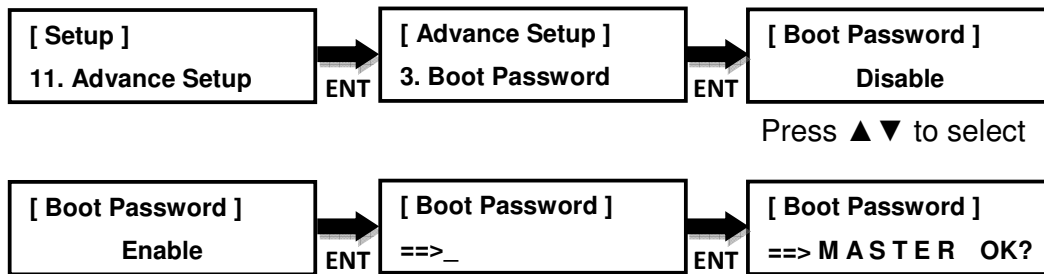
[Setup] 11. Advance Setup		[Advance Setup] 2. CD Overburn		[CD Overburn] Disable
	ENT		**ENT**	
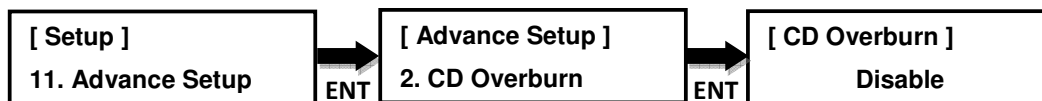
Press ▲ ▼ to select setting

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 go back to the Setup sub-menu. If Enable is selected, a password must be entered using the following guide lines: use ▲▼ to select the character desired. There are total 6 characters (positions) for the password. To enable the password, set all 6 positions. For space, press "ENT" without choosing a character to leave the position empty. Press "BACK" to cancel the process. The duplicator will ask for password when the unit is restarted.
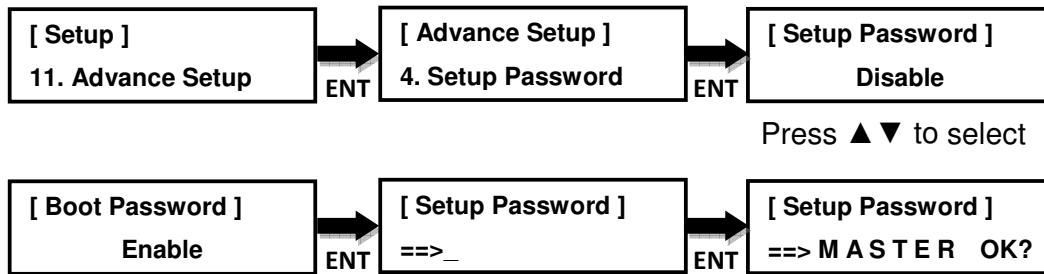
[Setup]		[Advance Setup]		[Boot Password]
11. Advance Setup	ENT	3. Boot Password	ENT	Disable

Press ▲▼ to select

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

Press ▲▼ to select character

11.11.4 Setup Password

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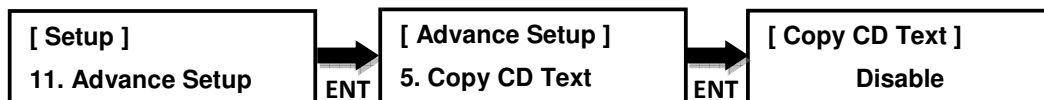If disable is selected, no password will be set and the display will go back to the Setup sub-menu.

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

Press ▲▼ to select

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

Press ▲▼ to select character

11.11.5 Copy CD Text

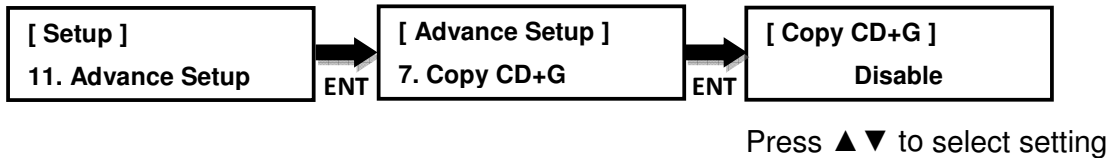Allows to copy the CD-TEXT on the source disc to the target disc(s).

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

Press ▲▼ to select setting

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11.11.6 Copy UPC/ISRC

Allows to copy the UPC/ISRC on the source disc to the target disc(s).

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

Press ▲▼ to select setting
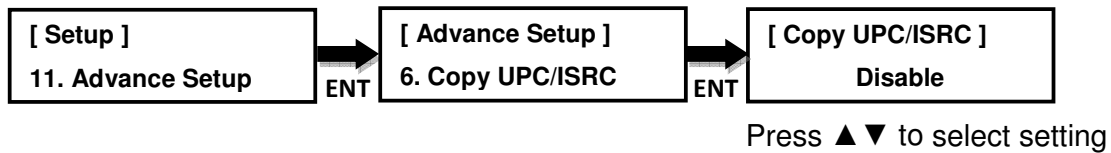
11.11.7 Copy CD+G

Allows to copy CD+G files on the source disc to the target disc(s).

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

Press ▲▼ to select setting

11.11.8 Auto Erase

Allows to erase files on the rewriteable CD's or DVD's

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

Press ▲▼ to select setting
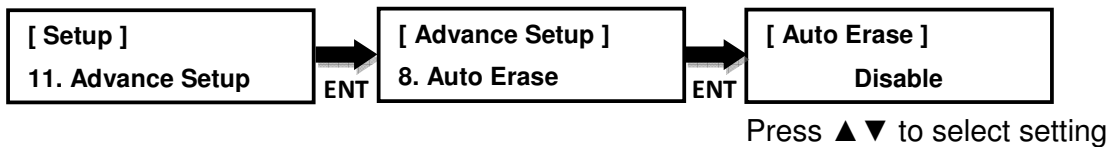
11.11.9 Pre-gap Scan

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

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

Press ▲▼ to select setting
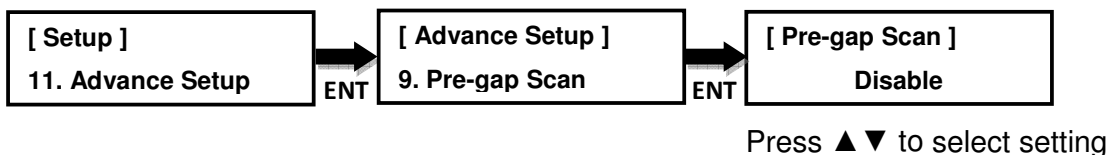
11.11.10 L0 Break Point

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

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

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

[Setup] 11. Advance Setup	→ ENT	[Advance Setup] 10. L0 Break Point	→ ENT	[L0 Break Point] By Source
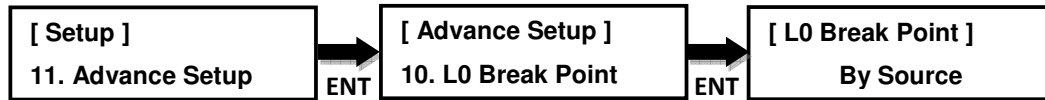
Press ▲▼ to select setting

11.11.11 Show Result Time
Allows to show the total result time on display.

| [Setup] 11. Advance Setup	→ ENT	[Advance Setup] 11. Show Result Time	→ ENT	[Show Result Time] Disable
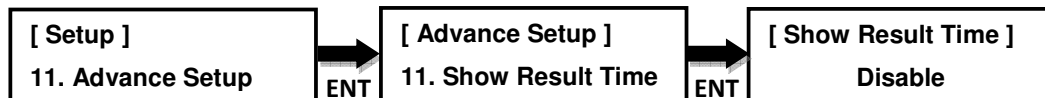
Press ▲▼ to select setting

11.11.12 Performance
Allows to set burning priorities based on performance required.
Speed: duplicator will use maximum data transfer rate for burning.
**Compatibility:** will maximize compatibility range but less transfer rate.
Balance: duplicator will maintain compatibility while keep its burning speed as fast as possible.

[Setup] 11. Advance Setup	→ ENT	[Advance Setup] 12. Performance	→ ENT	[Performance] Speed
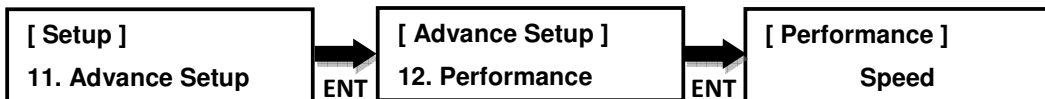
Press ▲▼ to select mode

11.11.13 Set Time Zone
Allows to setup a time zone for the specific region based on GMT and time stamp your copies. Setting range is from GMT +13 to GMT -12.

[Setup] 11. Advance Setup	→ ENT	[Advance Setup] 13. Set Time Zone	→ ENT	[Set Time Zone] GMT -8
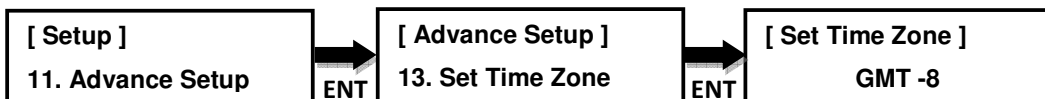
Press ▲▼ to set time zone

11.11.14 Show Image Name
Allows to show image file name on display when the source drive is HDD.

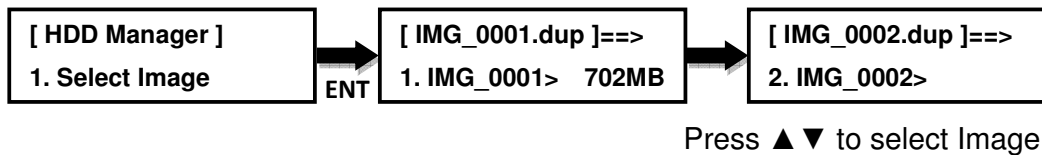| [Setup] 11. Advance Setup	→ ENT	[Advance Setup] 14. Show Image Name	→ ENT	[Show Image Name] Disable

Press ▲▼ to select option

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

Allows the selection of an image presented 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.

[HDD Manager]		[IMG_0001.dup]==>		[IMG_0002.dup]==>
1. Select Image	**ENT**	1. IMG_0001> 702MB		2. IMG_0002>

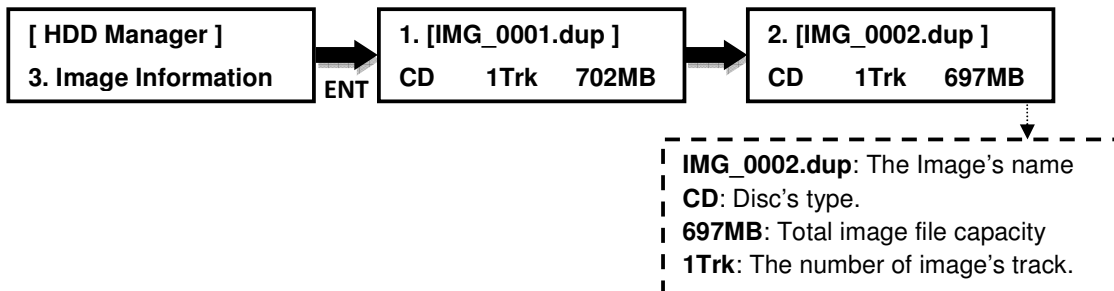Press ▲▼ to select Image

12.2 Disc => Image

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

[HDD Manager]		Copy x1 702M		Result
2. Disc => Image	**ENT**	0% 0M		Pass 1 Fail 0
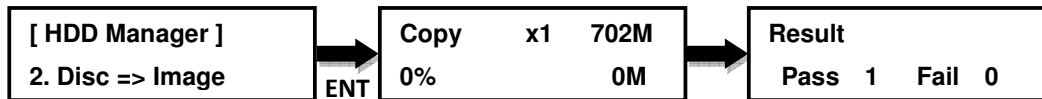
Note: to select source drive, please refer to **8. Source Select**.
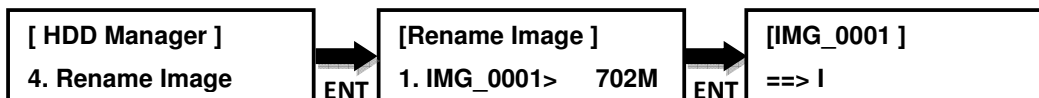
12.3 Image Information

Displays the image information in order: the file name of the image stored on the HDD, the type of image stored, and the amount of data the image contains.

[HDD Manager]		1. [IMG_0001.dup]		2. [IMG_0002.dup]
3. Image Information	**ENT**	CD 1Trk 702MB		CD 1Trk 697MB

IMG_0002.dup: The Image's name
CD: Disc's type.
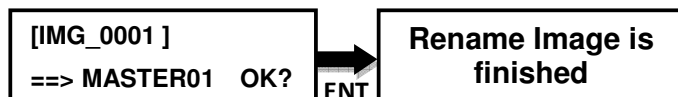**697MB**: Total image file capacity
1Trk: The number of image's track.

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12.4 Rename Image

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

[HDD Manager]		[Rename Image]		[IMG_0001]
4. Rename Image	**ENT**	1. IMG_0001> 702M	**ENT**	==> I

Press ▲ ▼ to change character, press ENT to select

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

12.5 Delete Image

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

[HDD Manager]		[Delete Image]		Sure to delete?
5. Delete Image	**ENT**	1.IMG_0001> 702M	**ENT**	Yes

Press ▲ ▼ to select Image

	Sure to delete?
ENT	Complete!

12.6 HDD Information

Shows the number of images and amount of free space available on the HDD.

[HDD Manager]		Image 2
6. HDD Information	**ENT**	Free 476056MB

Image 2: Number of Images
Free 476056MB: Total free space on the 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.

| [HDD Manager]		Sure to format?		Sure to format?
7. Format HDD	**ENT**	Yes		Complete!
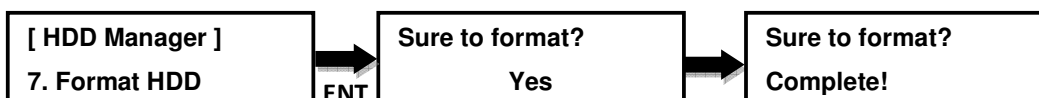
12.8 HDD Setup

12.8.1 Load and Copy

There are three (3) options in this function: OFF, Synchronous, and Load First.
OFF: Disables the load and copy function. No temporary image is loaded to the HDD during the copy process.
Load First: Completes loading of the image to the HDD then automatically starts 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). 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 source disc to the blank discs. As the copies being made, the image is also being created and stored on the HDD.

[HDD Manager]		[HDD Setup]		[Load and Copy]
8. HDD Setup	ENT	1. Load and Copy	ENT	OFF
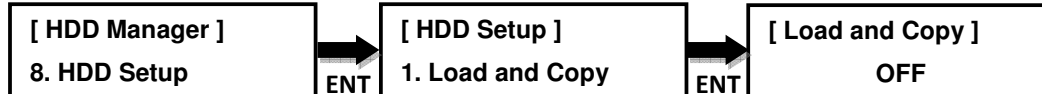
Press ▲▼ to select setting

12.8.2 Failed Image

This command will **delete** or **reserve** the failed image.

[HDD Manager]		[HDD Setup]		[Failed Image]
8. HDD Setup	ENT	2. Failed Image	ENT	Delete

Press ▲▼ to select setting

12.8.3 Default Image

Select the default image from the HDD.
Available options: Selected Image, First Image and Latest Image.

[HDD Manager]		[HDD Setup]		[Default Image]
8. HDD Setup	ENT	3. Default Image	ENT	Selected Image

Press ▲▼ to select setting

IV. Basic Troubleshooting

Follow these simple steps for quick and proper troubleshooting.

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.

2: Source disc cannot be read

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

    b. Remake the source disc on another disc. Source 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 source disc is finalized in standard ISO format.

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 unspecified issues.

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

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 our technical support department for further information.

6: One of the drives does not open and/or LED does not light up

a. Check USB port switch (if there is one on the back of the duplicator) 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.

7: The blank CD/DVD 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.