



ILY 1 to 3 targets CD DVD Duplicator Controller User Manual

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ILY 1 to 3 targets CD DVD Duplicator Controller



Product Information

Specifications

- **Model:** Athena CD/DVD Duplicator Controller
- **Version:** 1.0e
- **Targets:** 1 to 3 (CD), 1 to 7 (CD), 1 to 11 (CD/DVD)
- **Burn Speed (CD):** Athena CD3 – 56X, Athena CD7 – 56X, Athena CD11 – 56X
- **Burn Speed (DVD):** Athena DVD3 – 56X, Athena DVD7 – 56X, Athena DVD11 – 56X
- **Buffer Memory Size:** Athena CD3 – 32 MB, Athena CD7 – 32 MB, Athena CD11 – 64 MB, Athena DVD3 – 32 MB, Athena DVD7 – 64 MB, Athena DVD11 – 128 MB
- **Total IDE Port Number:** Athena CD3 – 4, Athena CD7 – 8, Athena CD11 – 12, Athena DVD3 – 4, Athena DVD7 – 8, Athena DVD11 – 12

Product Usage Instructions

Hardware Installation Guide

The following are the basic operation guidelines on how to set IDE devices as Optical READER, WRITERS, or Hard Drives. The system auto detects the drives then assigns Drive numbers.

LCD Front Control Panel

The LCD front control panel allows you to navigate through the menu options and perform various operations. Use the arrow keys to navigate and the enter key to select an option.

Menu Overview

The menu provides different options for copying, testing, verifying, and managing discs. Here are the main sections of the menu:

1. Copy

This option allows you to make copies of discs. Select the source and target discs, and choose the number of copies to be made.

2. Test

This option allows you to test the performance of the duplicator. It checks the reading and writing capabilities of the drives without actually copying any data.

3. **Copy & Verify**

This option makes copies of discs and verifies the data integrity of the copied discs.

4. **Copy & Compare**

This option makes copies of discs and compares the data on the copied discs with the original disc.

5. **Verify**

This option verifies the data integrity of the discs without making any copies.

6. **Compare Disc**

This option compares the data on two different discs.

7. **Burn Speed**

This option allows you to set the burning speed for copying or burning discs.

8. **Select Source**

This option allows you to select the source disc for copying or other operations.

9. **Audio Track Edit**

This option allows you to select and copy specific audio tracks from a disc.

1. **Select and Copy Track**

This sub-option allows you to select and copy individual audio tracks from a disc.

2. **Close Disc**

This sub-option finalizes a disc after copying audio tracks.

3. **Disc Info**

This sub-option displays information about the selected disc.

10. **Utility**

This option provides various utility functions for managing the duplicator.

1. **Prescan**

This sub-option scans the source disc before copying to ensure its integrity.

2. **Quick Erase**

This sub-option quickly erases the data on a rewritable disc.

3. **Full Erase**

This sub-option fully erases the data on a rewritable disc.

4. **Eject All Disc**

This sub-option ejects all discs from the duplicator.

5. **Disc Info**

This sub-option displays information about the currently selected disc.

6. **Drive Info**

This sub-option displays information about the drives connected to the duplicator.

7. **System Info**

This sub-option displays information about the duplicator's system.

8. **Update BIOS**

This sub-option allows you to update the duplicator's BIOS firmware.

11. **Setup**

This option allows you to configure various settings of the duplicator.

1. **Power On Time**

This sub-option allows you to set the time delay for automatically turning on the duplicator.

2. **Auto Start**

This sub-option enables or disables automatic start of disc copying when a disc is inserted.

3. **Startup Menu**

This sub-option allows you to choose the default menu option that appears on startup.

4. **Write Method**

This sub-option allows you to choose the write method for burning discs.

5. **Button Beep**

This sub-option enables or disables the beep sound when buttons are pressed.

6. **Read Error Skip**

This sub-option enables or disables skipping of read errors during disc copying.

7. **Eject on Start**

This sub-option enables or disables automatic ejection of discs on startup.

8. **Boot Password**

This sub-option allows you to set a password for accessing the duplicator's boot menu.

9. **Setup Password**

This sub-option allows you to set a password for accessing the duplicator's setup menu.

10. **Clear Setup**

This sub-option clears all the setup settings and restores default values.

12. **Image Manager**

This option allows you to manage disc images stored on the duplicator's hard drive.

1. **Select Image**

This sub-option allows you to select a disc image for copying or other operations.

2. **Disc to Image**

This sub-option creates a disc image from a source disc.

3. **Reader Speed**

This sub-option allows you to set the reading speed for creating disc images.

4. **Image Info**

This sub-option displays information about the selected disc image.

5. **Rename Image**

This sub-option allows you to rename a disc image stored on the duplicator's hard drive.

6. **Delete Image**

This sub-option allows you to delete a disc image from the duplicator's hard drive.

7. **HDD Info**

This sub-option displays information about the duplicator's hard drive.

8. **Format HDD**

This sub-option allows you to format the duplicator's hard drive, erasing all data.

About HDD Manager

This section provides information about managing the duplicator's hard drive. Refer to the user manual for detailed instructions on using this feature.

FAQ

• **Q: How do I update the BIOS firmware?**

A: To update the BIOS firmware, go to the Utility menu, select "Update BIOS," and follow the on-screen instructions.

- **Q: Can I copy audio tracks from a disc?**

A: Yes, you can use the “Audio Track Edit” option to select and copy specific audio tracks from a disc.

- **Q: How do I erase data from a rewritable disc?**

A: You can use either the “Quick Erase” or “Full Erase” option in the Utility menu to erase data from a rewritable disc.

- **Q: How do I manage disc images?**

A: Use the “Image Manager” option to select, create, rename, delete, and get information about disc images stored on the duplicator’s hard drive.

User’s Manual

- Version 1.0e
- 1 to 3 targets
- 1 to 7 targets
- 1 to 11 targets
- CD/DVD Duplicator Controller

INTRODUCTION

- The Athena series duplicator functions both as stand-alone CD/DVD Disc Duplicator Controller, and supports up to 11 CD/DVD discs. There is up to 12 IDE ports on the controller each of which is independent from one another. This gives the controller the ability to control several CD/DVD devices at once. There is no need for the drives to be of the same brand and/or speed. The controller can support up to 11 discs duplicating simultaneously at a maximum of 56x CD writing and 16X DVD writing speeds.
- This easy-to-use operating control panel consists of an LCD screen and 4 control buttons. All operating information, such as the function list, instructions, operating status, or error message(s), is displayed in real time on the screen.
- The built-in Hard Drive allows users to load several CD/DVD Master Source Discs onto the HDD as source disc images. This reduces the risk of damaging the Source Disc that result from heavy duplicating jobs. A forceful HDD management system dynamically assigns HDD partitions to each CD/DVD disc image loaded onto the HDD accordingly. This ideal HDD manager will ensure a flexible and efficient HDD management process.

FEATURES

- 1 to 3/ 1 to 7 / 1 to 11 IDE-to-IDE CD\DVD Disc Duplicator Controller
- Auto-detect IDE devices
- 2×16 LCD display and 4 control buttons
- Supports up to max 56x CD duplication, 16x DVD duplication
- Offers flexibility in setting different duplication speeds depending on Disc writers
- Easy to select Drive as the Master Reading Source
- Support for an IDE Hard Drive Device. Source CD or DVD disc can be loaded onto the Hard Drive as disc images
- Customizable Hard Drive Partitioning. Create a Hard Drive partitioning name for easy storage
- Support for Audio Track editing. Combine audio tracks into one customized CD

- Special PreScan feature evaluates master source disc before copying
- Support System Startup Password Protection. Prevent unauthorized use of duplicator systems
- Support Setup Password Protection protects custom settings on duplicating systems
- Support for copying simulation prevents failures caused by defective blank discs or damaged source discs
- Support for Verification function ensures copied disc's readability
- Support Counter Function
- Supports all major disc types
- Auto detect source disc
- Can set beep button on or off
- Firmware is easily upgradeable. Simply place a CD in any drive and in a matter of seconds the firmware is automatically updated
- CD/DVD Rewriteable Drive Firmware upgradeable through the controller

SPECIFICATION

Power	Voltage:	5V+-5%
	Current:	0.7A Max
Environment	Working Temperature	0C~75C
	Storage Temperature	-20 C~85 C
Humidity	Working Humidity	20%~80%
	Storage Humidity	5%~95%
Dimension	Length	176 mm
	Height	42 mm
	Width	146 mm

Model	Max Burn CD SPEED	Max Burn DVD SPEED	Buffer Memory Size	Total IDE Port Number
Athena CD3	56X	N/A	32 MB	4
Athena CD7	56X	N/A	32 MB	8
Athena CD11	56X	N/A	64 MB	12
Athena DVD3	56X	16X	32 MB	4
Athena DVD7	56X	16X	64 MB	8
Athena DVD11	56X	16X	128 MB	12

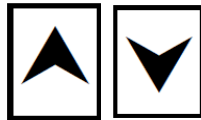
HARDWARE INSTALLATION GUIDE

The following are the basic operation guidelines on how to set IDE devices as Optical READER, WRITERS, or Hard Drives. The system auto detects the drives then assigns Drive numbers.

	READER	WRITER	HDD	System Setting Information
1	Installed	Installed	No	When machine is turned on, the system will detect and assign the READER drive as Source Reader. Then it will automatically be set as Drive #1. WRITERS will be set by sequence after the READER drive, starting from Drive #2, Drive #3, etc.
2	No	Installed	No	When machine is turned on, the system will assign the WRITER drive connected to Port #1 of the controller as the Source Reader and set it as Drive #1. The rest of the WRITERS will then be set as Writers and numbered on a sequence beginning from Drive #2 and so on.
3	No	Installed	Installed	When machine is turned on, the system will assign the WRITER drive connected to HDD, the Source Reader function. It will automatically assign Drive #1. Then, the rest of the WRITERS will be set as Writers, and numbered on a sequence beginning from Drive #2, then to Drive #3, etc.
4	Installed	Installed	Installed	When all Drives are installed, assure that the READER drive is connected to the HDD. The READER will be set as the Source Reader and as Drive #1. WRITERS will be set as Writer and numbered in order from Drive #2, Drive #3, etc.

LCD FRONT CONTROL PANEL

1. Control Buttons



1. There are 4 control buttons: ENT and ESC



2. : UP; backward; used to navigate backward in the menu



3. : Down; forward; used to navigate forward in the menu

4. ENT : OK, Enter, Execute the function

5. ESC : Escape, Used to go back to previous function

2. LCD Display

The LCD display is a 2×16 Mono LCD screen. The system displays function information, messages, and instructions on the LCD.

MENU OVERVIEW

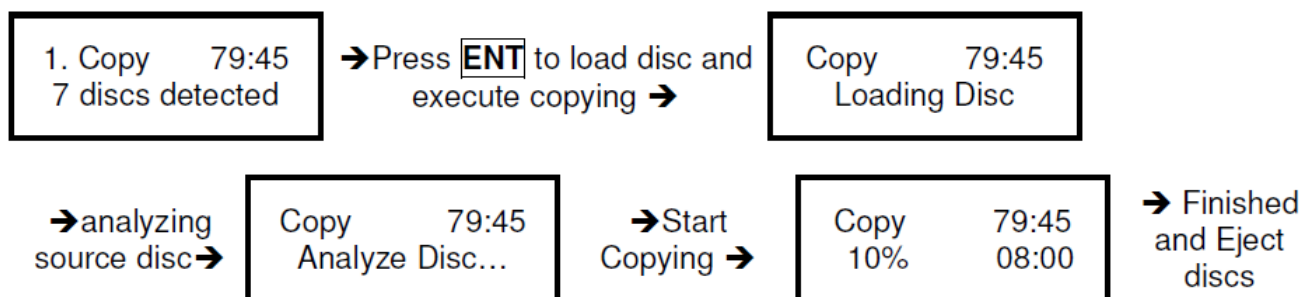
1	COPY	<ul style="list-style-type: none"> Allows making a CD/DVD copy. Before the use of this function, assure that the correct reading source and blank discs are placed. The system will automatically display how many blank discs are detected. When the system is ready press ENT to execute CD/DVD copies.
2	TEST	This functions process is the same as above, except it will not record to the recordable disc. The purpose of this process is to ensure an error-free duplication.
3	COPY&VERIFY	Creates copies and is followed by a Verification process to automatically ensure data correctness.
4	COPY&COMPARE	Creates copies and is followed by a Comparison process to ensure data correctness.
5	VERIFY	Enables the use of Disc Readability Check. This operation will check all master and copied discs' readability to confirm that all the copies are readable.
6	COMPARE DISK	Used to make a bit-by-bit Comparison between the Master Reading Source and all the copied discs inside the writer trays. It assures that the copies have the same information as the Master Reading Source.
7	SET BURN SPEED	Enables to select Duplication Speed for three different disc types, (CDs, audio CDs, and DVDs).
8	SELECT SOURCE	Used to set the Master Reading Source as Optical Drive or Hard Drive Disk.
9	TRACK EDIT	Makes Audio Tracking Selection. It combines audio tracks from various CDs into a single customized audio CD.
10	UTILITY	
	10.1 Pre-scan	Confirms whether or not the Master Source Disc can be properly duplicated.
	10.2 Quick Erase	Quick erase re-writable discs' data.
	10.3 Full Erase	Full erase re-writable discs' data.
	10.4 Eject All Disc	Ejects all discs in writer tray, including master source disc.
	10.5 Disc Info.	Checks disc's basic information such as disc type, data length, and available space.
	10.6 Drive Info.	Checks the duplicator's major component information, such as the manufacturer, Writer or Reader model numbers and versions.
	10.7 System Info.	Provides the duplicator's information, such as the Controller model number, Buffer memory capacity, and Firmware version.
	10.8 Update BIOS	As manufacturer's certified update CD is inserted, this feature instantly updates duplicator's software.

11	SET UP	
	11.1 Power On Time	After the system power is turned on, the system's warm up time can be set from 5 sec to 255 sec.
	11.2 Auto Start	This feature allows the duplicator to automatically execute copying, once recordable disks are inserted to the master source disc and writer trays. The setting can be turned off or the amount of seconds can be set to (1~99). To execute this function, the operation mode has to be set to COPY, TEST, VERIFY, COMPARE, COPY&VERIFY, COPY&COMPARE.
	11.3 Startup Menu	The function in the menu which will be shown first can be selected when the duplicator is turned on.
	11.4 Write Method	CD duplication mode can be selected among "DAO", "SAO", and "TAO". The default mode is "DAO," which means Disc at Once.
	11.5 Button Beep	Gives the option to hear a beep as you press a button.
	11.6 SkipReadError	Gives the option to stop duplication process when an error has occurred or simply continue the process.
	11.7 Eject on Start	Allows choosing whether the duplicator system will eject the disc on startup.
	11.8 Boot Password	Allows setting or changing the password at start up.
	11.9 Setup Password	Allows setting or changing the password for Setup.
	11.10 Clear Setup	Resets all of the operations back to manufacturer's default.
12	IMAGE MANAGER	Demonstrates how to perform various Hard Drive related operations. If duplicator does not have HDD installed, the system menu will not show this function.
	12.1 Select Image	Used to select an Image file as a Source to be copied to the discs.
	12.2 Disc -> Image	Used to copy a Source Disc to HDD to save as an Image file.
	12.3 Reader Speed	The following function (12.2 Disc -> Image function), will allow you to set the Reading Speed of the master source disc.
	12.4 Image Info.	Checks the image file information and file size.
	12.5 Rename Image	This function renames the HDD image partition's name.
	12.6 Delete Image	Deletes an image file in HDD. If the file is selected as the source file, you will not be able to delete it unless you go back to 12.1 to re-select the image.
	12.7 HDD Info.	Checks the information in HDD, such as the number of discs stored on the HDD and the amount of space left in the HDD.
	12.8 Format HDD	This feature will allow you to format the HDD. However, if HDD image was selected as the source you will not be able to format it.

COPY

The following operation shows how to copy a Master Reading Source to a blank CD/DVD disc. If you would like to make Disc-to-Disc copies, make sure the Master Reading Source is set as the READER.

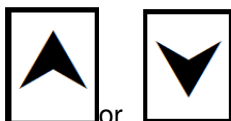
1. Turn on the duplicator before you start copying and make sure the correct reading source and blank discs have been set.
2. The system will automatically display how many blank discs were detected.
3. When the system is ready to copy, press ENT to execute CD/DVD copies.
4. When the system starts the copying process, it will start loading the disc. It will then analyze the discs, and then start copying. During the copying process, the LCD screen will display the Master Source Disc's data size and copying progress.
5. When the copying is finished, the Writer Trays will automatically eject.



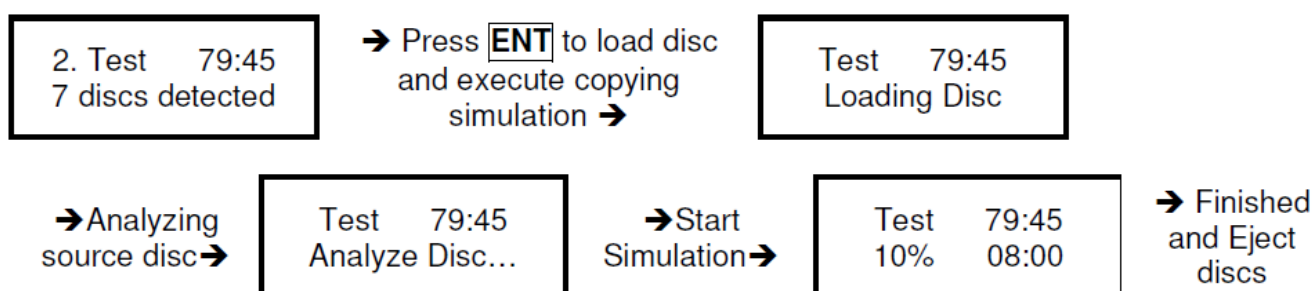
Note 2: If your duplicator has a HDD installed and you would like to make Hard Drive-to-Disc copies, refer to 12.1.1 HDD Image Manger for more information

TEST

1. This function is similar to the COPY process with the exception of the writing on the recordable disks.



2. Press the up or down arrow buttons to navigate the function menu to 2. Test and press ENT
3. The system will auto detect the numbers of blank disc and start to simulate the COPY process. However, there is no data that will be written onto the blank disc.
4. The purpose of this process is to ensure an error free duplication.

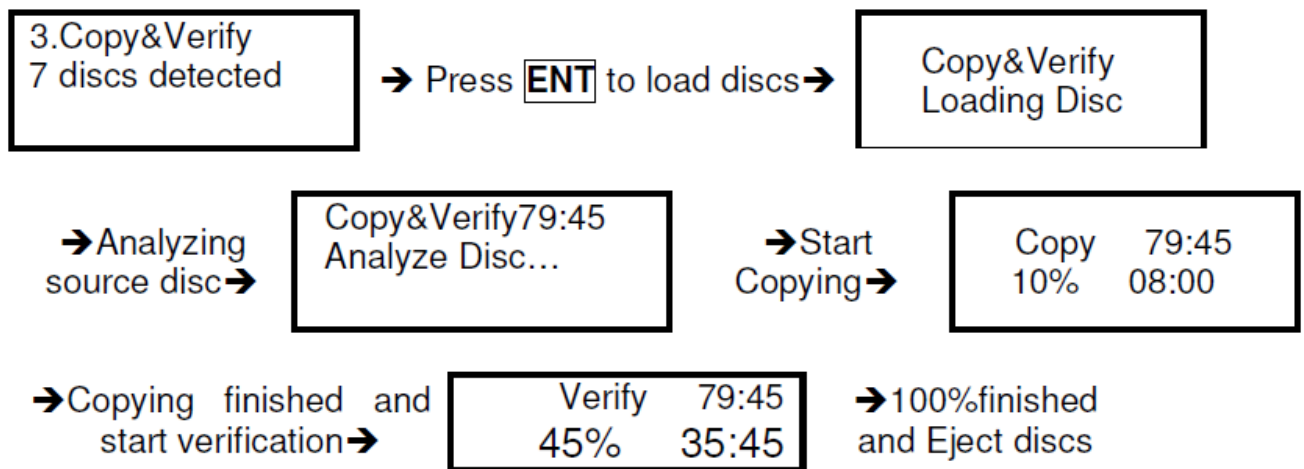


COPY&VERIFY

This operation will start the copying process and will be followed by a Verification process to ensure data's correctness. Therefore, the duplicator will not eject discs until verification is complete.

1. This operation will copy the Master Source onto Blank CD/DVD discs. Before the use this function, assure that the correct reading source and blank disks have been set.
2. The system will automatically display how many blank discs were detected.
3. When the system is ready to copy, press ENT to execute CD/DVD copying.

4. When the system starts the copying process it will start loading the disk. It will then analyze the disks, then start copying. During the copying process, the LCD screen will display the Master Source Disc's data size and copying progress.
5. When finished, the system will continue a verification to make a disc Readability check.
6. When the verification is complete, the Writer Trays will automatically eject the completed discs.

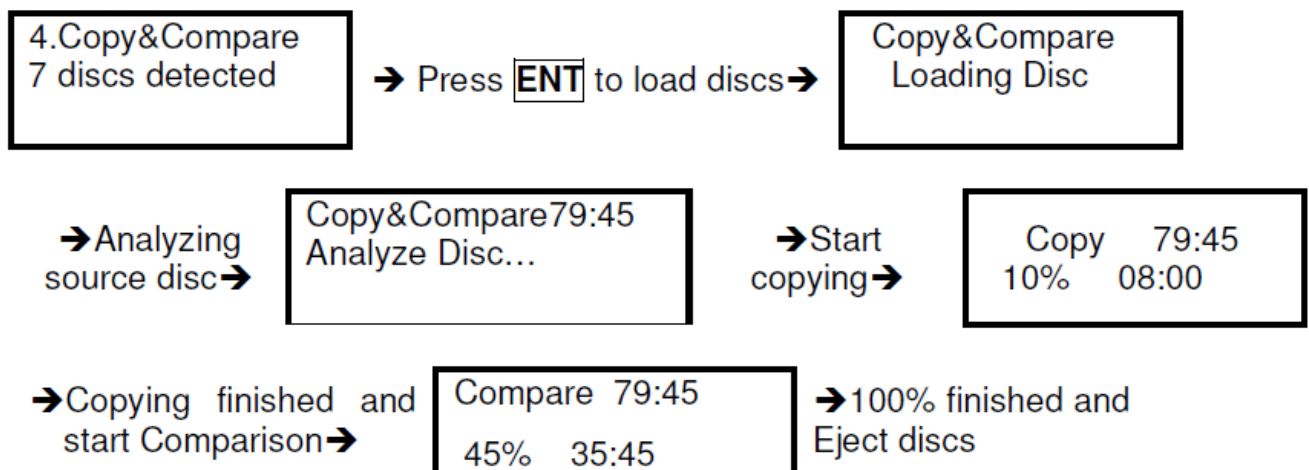


The verification process makes a Disc Readability Check. This operation will check the master disc and the copied discs' readability to make sure all of the copies are readable.

COPY&COMPARE

This operation will start the copying process and will continue with a Comparison process to ensure data correctness. Therefore, the duplicator will not eject discs until a disc Comparison is complete.

1. This operation will directly copy the Master Source onto a blank CD/DVD disc. Before the use of this menu, make sure you have put the correct reading source and blank discs.
2. The system will automatically display how many blank discs are detected.
3. When the system is ready to copy, just place ENT to execute CD/DVD copies.
4. When the system starts the copying process, it will start loading the disk. It will then analyze the disks, and then start copying. During the copying process the LCD screen will display the Master Source Disc's data size and copying progress.
5. When finished, the system will continue with the Comparison process to ensure the discs have the same information as the master source.
6. When the Comparison is complete, the Writer Trays will eject the discs.

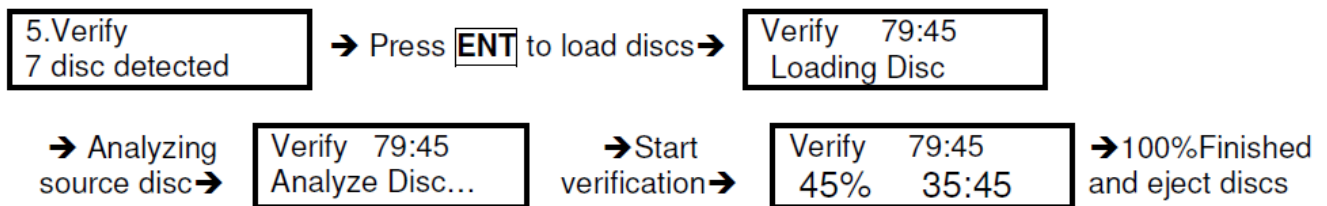


The Compare Disc function serves as a bit-by-bit Comparison between Master Reading Source and the copied discs inside the writer trays. This operation ensures that all of the copies are completely identical to the Master Reading Source.

VERIFY

This function will check the master disc and the copied discs' readability to ensure that all of the copies are readable.

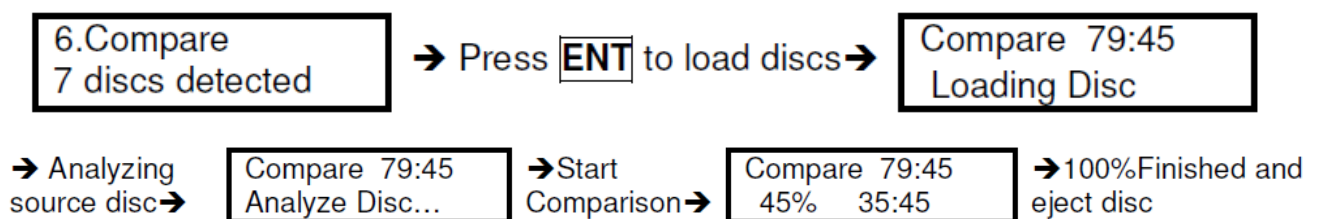
1. Place master source disc and all copied discs into the duplicator.
2. Press ENT. The duplicator will automatically start loading the disc, analyze the source disc and begin verification.
3. When verification is complete, the duplicator writer trays will automatically eject.



COMPARE DISC

Use this function to make a bit-by-bit Comparison between Master Reading Source and the copied discs inside the writer tray. This operation is used to ensure all of the copies have the same information as the Master Reading Source.









1. Put master source disc and all copied discs into the duplicator.
2. Press ENT. The duplicator will automatically start loading the disc, analyzing the source disc and start the Comparison function.
3. When the Comparison process is complete, the duplicator writer trays will automatically eject.

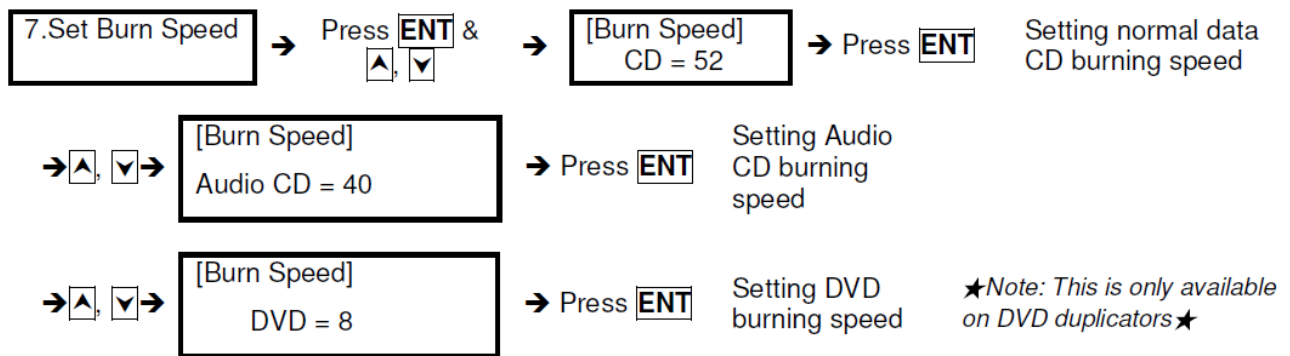


Note : You can ONLY use the compare function when duplicating DATA discs

SELECT SPEED




This operation allows you to adjust and select the Duplication Speed for the three different disc types: CD, Audio CD, and DVD.

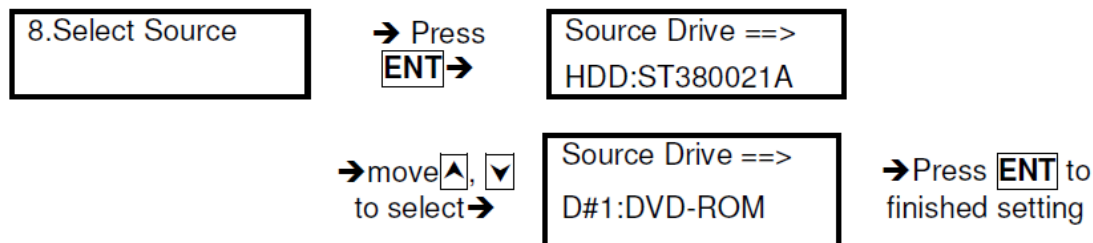
- Press ,  to navigate the menu. 7. SELECT SPEED, and press .
- You will see three disc types: CD, Audio CD, and DVD. Press ,  to select a disc type and press  to confirm your selection.
- Press ,  to select the burning speed.



SELECT SOURCE

Use this function to set an Optical Drive or Hard Drive Disk as the Master Reading Source.

- Move to 8. Select Source and press .
- Press ,  to select either HDD or an Optical Drive with assigned number as the reading source.





- Note: If HDD was selected as Source, then follow 12.1 Select Image 's instructions to be familiar with how to select image files as your reading source.
- Note:** Each Optical Drive will be assigned a Drive # according to their installation sequence. If there isn't, then Drive #1 is automatically set as the Reading Source.

AUDIO TRACK EDIT

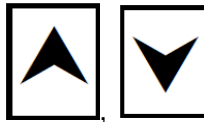
This process will guide you on how to select audio tracks from various audio CDs and combine them into one customized Audio CD.



1. Select and Copy Track:

- Move  or  to 9.Audio Track Edit menu.


9.Track Edit

- Insert an Audio CD with music tracks in the Reading drive and Insert ONLY ONE Blank CD-R disc into one of the writers.
- As soon as both audio CD and blank CD-R are recognized, the following message will appear "ready to press ENT" on duplicator LCD screen.






4. Navigate the menu by pressing ,  to find the desired track number and then press ENT to confirm the selection. Repeat the process to choose the tracks that will be copied to the disk. The letter “a, b, c, d...” will appear on top of each selected track.


[Track Edit]
1. Copy Track

→ Press  →


a b c
1 2 3 4 5 6 7

→ move ,  and press  to select tracks →

c d e
7 8 9 10 OK

→ Press  to start burning



5. Once the tracks have been selected, press  to move cursor to the end of the “OK” display. And press ENT to confirm and submit your selection.
6. Once you submit selection, “Copying Audio Tracks...” will appear on your LCD screen. It will display the track number, total number of the current tracks and the position that is copying.

Track 02 06:14
Copy..... 03:14

7. Once the Copying Audio Tracks process is complete, copied CD will be displayed. It reveals the total tracks on the CD, total time used and total time remaining.

Track Used 20:53
04 Free 59:25

8. You will need to finalize, as indicated on 9.2 before playing back. If you choose NOT to finalize, you can go back to the first step to continue the process. If you choose to finalize, use “9.2 Close Disc”.

Note: Once you finished copy Audio Track, you will NEED to perform “9.2 Close Disc” function for your audio CD. If you do not, your audio CD will NOT play.

2. Close Disc


Use this process to make a CD-R/CD-RW disc become a playable Audio CD.

1. Select 9. Track Edit and press ENT

9.Track Edit

2. Move to select 2. Close Disc and press ENT to start close disc process.
3. When Close Disc is processing, you will see “o”, “O” blinking on the screen.
4. When the process is done, writer will automatically eject the disc, and you will see “_” on the screen.

[Track Edit]
2.Close Disc

→ Press  →

Finalizing Disc...

→ Close finished and eject disc

3. Disc Info.

This feature allows you to check your disc status, such as available capacity.

1. Move to 9. Track Edit, and press ENT
2. Select 3. Disc Info, and press ENT



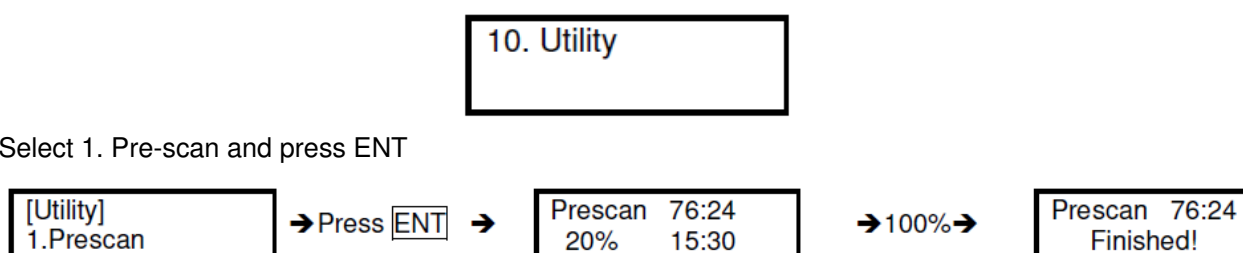
UTILITY

This function group includes several Disc related functions. You can press ENT and press the up or down button to select the desired function.

1. Prescan

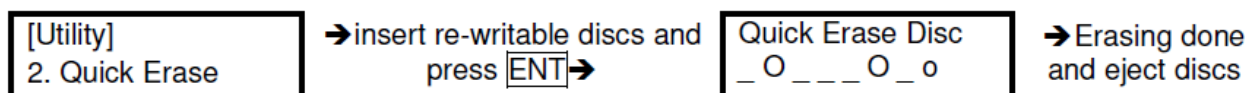
This feature will check whether or not the Master Source Disc can be duplicated.

1. Select Utility and press ENT



2. Quick Erase

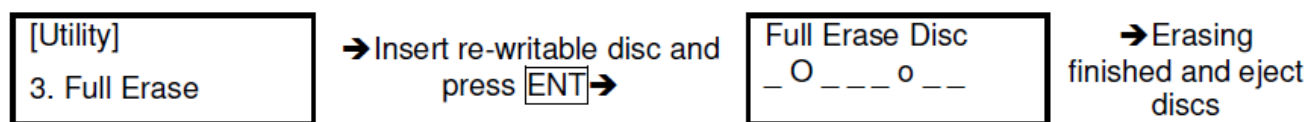
1. This operation erases re-writable discs in the Writer Tray. When it has finished erasing, the tray will automatically eject.
2. The duplicator can erase different types of re-writable discs simultaneously. You can place the re-writable disc you wish to erase in any tray.



3. **Note:** If you see "O" "o" blinking, Erasing is in process. If you see "F" "f" blinking, DVD+RW Disc Formatting is in process.

3. Full Erase

This operation will erase re-writable discs in the Writer Tray. It is timelier than Quick Erase function. When finished, the writer will automatically eject the trays.



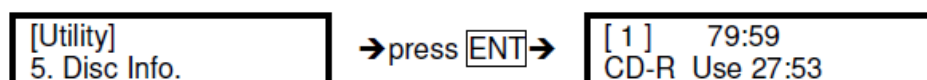
4. Eject All Discs

Ejects disks, including master source disc and discs in writer trays.



5. Disc Info

This feature checks disc's basic information, such as the disc type, data length, and available capacity.



6. Drive Info

This feature checks the duplicator's major component information, such as its manufacturer, Writer or Reader model number and version.

1. Press ENT and then press up or down to check each Drive's model number and information.
2. The duplicator will assign each drive a number from 1 to 8. #1 is the Reader, #2~#8 are writers.



7. System Info

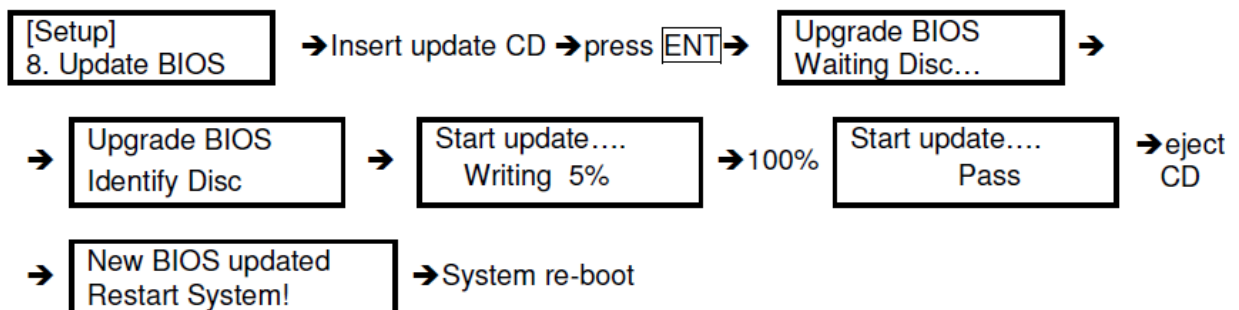
This feature provides information about the duplicator, such as the controller model number, RAM capacity, and Firmware version.



8. Update BIOS

When manufacturer's certified update CD is inserted, this operation will automatically update your duplicator's software.

1. Turn on the duplicator select 10. Utility, and press ENT
2. Insert an updated CD to any Drive.
3. Select 8. Update BIOS and press ENT
4. The system will then start executing the firmware update. When finished, the updated CD will automatically eject.
5. In 2 sec, the system will re-boot. The new firmware update is complete.



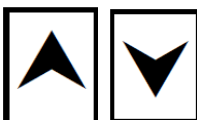
SETUP

Use this function group to change the manufacturer's default setting.

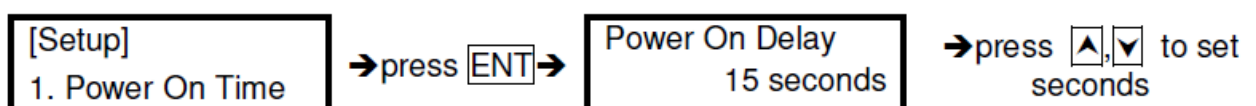
1. Power On Time

You can set the system warm up time from 5 sec to 255 sec after system power on.

1. Select 11. Set Up and press ENT
2. Select 1. Power On Time and press ENT

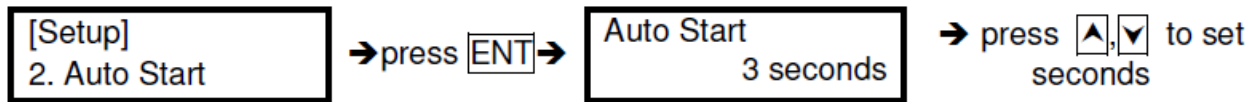


3. Press [Up/Down] to increase or decrease the seconds.



2. Auto Start

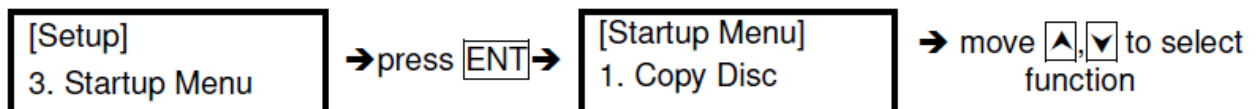
This operation allows the duplicator to automatically execute copying once source disc is placed in the master source drive and recordable discs in any of the writer trays. You can disable or turn on the auto start function with the time (1-99 seconds) it would take to activate this feature. To execute this function, you must set the operation mode from COPY, TEST, VERIFY, COMPARE, COPY & VERIFY, COPY&COMPARE to auto start copying.



Note: If you set the function off, the LCD screen will not show how many blank discs are detected in writer trays.

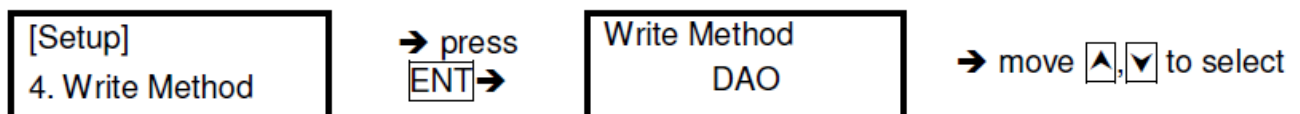
3. Startup Menu

1. You can select which function in the menu to see first when the duplicator is turned on.



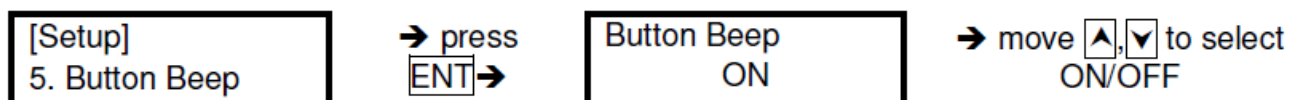
4. Write Method

You can select which mode to duplicate CD from “DAO”, “SAO”, and “TAO”. The default mode is “DAO” (Disc at Once). Unless it is clearly understood what such terms represent, we strongly recommend users to set it as “Disc at Once”.=}}}}}}}}}}}}}}}}}}}}}}



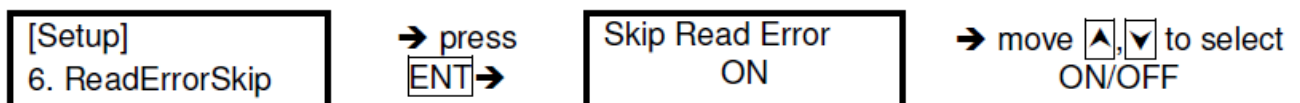
5. Button Beep

Choose whether or not to hear a beep when you press a button.



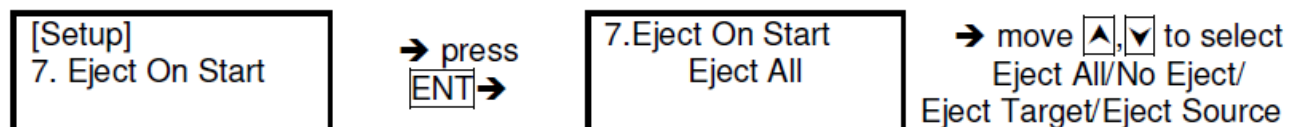
6. Read Error Skip

Choose to stop the duplicating process when error has occurred.



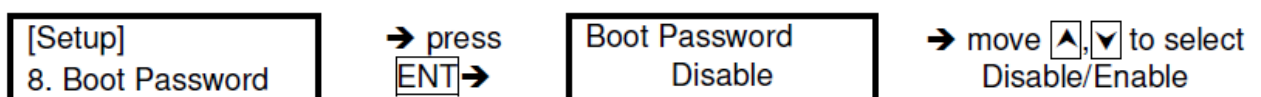
7. Eject on Start

You can choose whether or not to eject the disc when powering up the system.



8. Boot Password

1. You can setup the boot password to prevent anyone from using duplicating system.

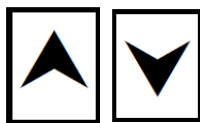




2. If you select Disable, you will go back to:

[Setup]
5. Boot Password

3. If you select Enable, you will need to choose a password:

Boot Password
==>



4. Use   to select the character you want.

5. Press ENT to go to the next position.

6. There are a total of 6 positions for the password. To enable the password, set all 6 positions. An empty space is acceptable.

7. Press ESC to cancel the process. The duplicating system will then ask for password when the unit is restarted.



9. Setup Password

You can enable the setup password to prevent anyone from changing the setting of the duplicating system.

[Setup]
8. Setup Password

→ press
ENT →

Setup Password
Disable

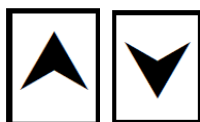
→ move ,  to select
Disable/Enable



1. If you select Disable, you will go back to:

[Setup]
5. Boot Password

2. If you select Enable, you will need to choose a password:

Boot Password
==>



3. Use   to select the character you want.

4. Press ENT will go to the next position.

5. There are total of 6 positions for the password. To enable the password set all 6 positions. An empty space is ENT.

6. Press ESC to cancel the process.

7. The duplicating system will ask for password when 11 Setup is entered.

10. Clear All

Reset the operations back to manufacturer's default settings.

[Setup]
10. Clear Setup

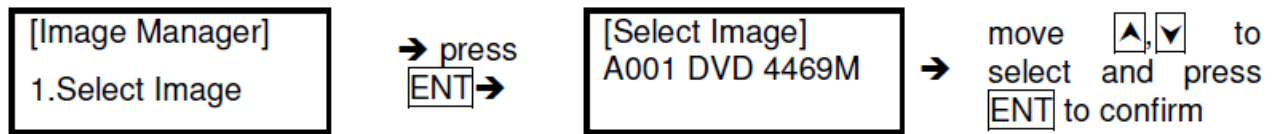
→ press ENT, clear all settings made and return back to
manufacturer's default setting

IMAGE MANAGER (For Duplicator with HDD Installed)

This function shows how to perform various Hard Drive related operations. The system menu will not show this function if your duplicator does not have an HDD installed. Please refer to 12.8 ABOUT HDD MANAGER for more information about the special function and advantages about this feature.

Select Image

This function shows how to select an Image file as a Source that can be copied to discs. This function is required when a copy is made from your HDD to blank discs. Please refer to 12.1.1 for instructions on how to make Hard Drive-to-Disc Copies.



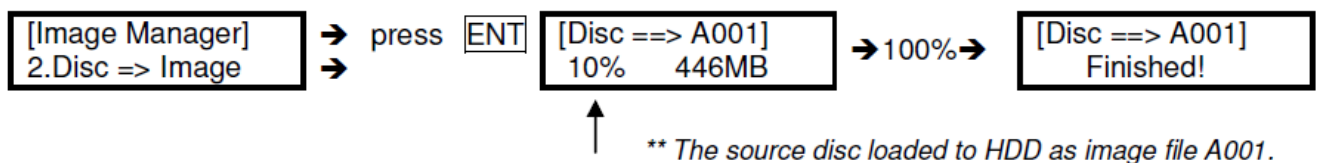
Make Hard Drive-to-Disc Copies

1. Make sure Hard Drive is set to Master Reading Source. When it is finished select the image then HDD will automatically be set as the Reading Source.
2. Return to the main menu and press the up or down buttons to select 1. Copy function.
3. Insert blank discs into writer trays. (If there is a disc in the Reader tray, it will not be read).
4. Press ENT to start copying. If 11.2 Auto Start, is selected when a blank disc is placed in any of the writer trays, the duplicator will automatically begin the copying process.
5. When completed trays will eject.
 - **Note:** Once an HDD Image is selected, the HDD will automatically be set as the Reading Source. If you wish to make Disc -to- Disc Copies, you must go back to 8. Select Source to select the CD/DVD-ROM as the Reading Source.

Disc ==> Image

This function shows you how to load the master source disc onto the Hard Drive and save it as an image file.

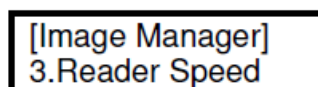
1. Place Master Source Disc into any Drive.
2. Select 12.2 Disc -> Image and press ENT



Note: The source disc can be placed in any Reader or any Writer Drive.

Reader Speed

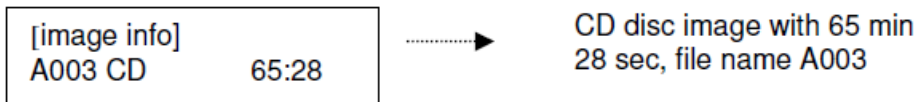
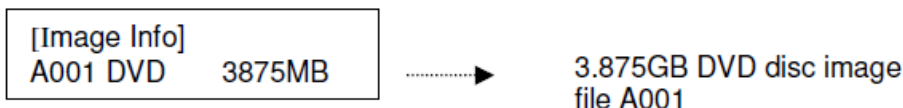
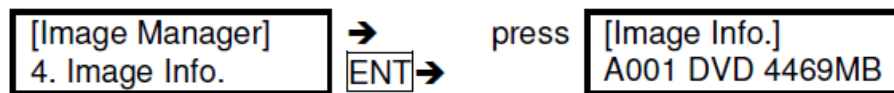
- When you wish to perform this function, 12.2 Disc -> Image, set the Reading Speed from the reading master source disc.



- **Note:** this function is ONLY available when loading the Source Disc to an HDD

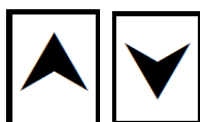
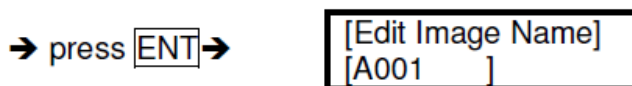
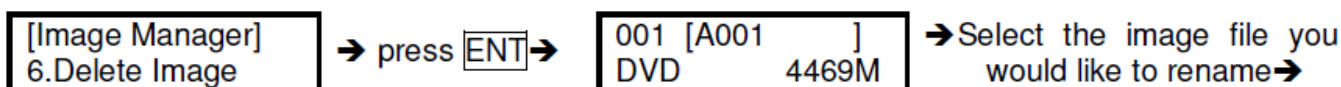
Image Info



This function checks all image file information such as the Image file number, Disc type, and its file size.



Rename Image

This function allows you to rename an image file in HDD. This will help organize the image.



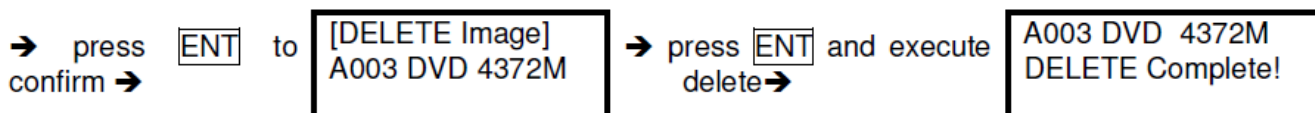
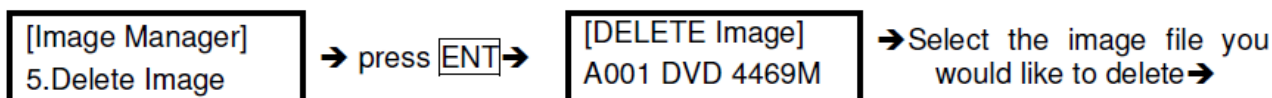
- Use   to select the character you want.
- Press ENT to go to the next position.
- There are total of 8 characters for the image name. Empty Space will confirm the name change.



- Press ESC to cancel the whole process.

Delete Image

This function allows you to delete an image file in HDD. If the file is selected as source file you will not be able to delete it unless you go back to 12.1 to re-select another image as source.



HDD Info.

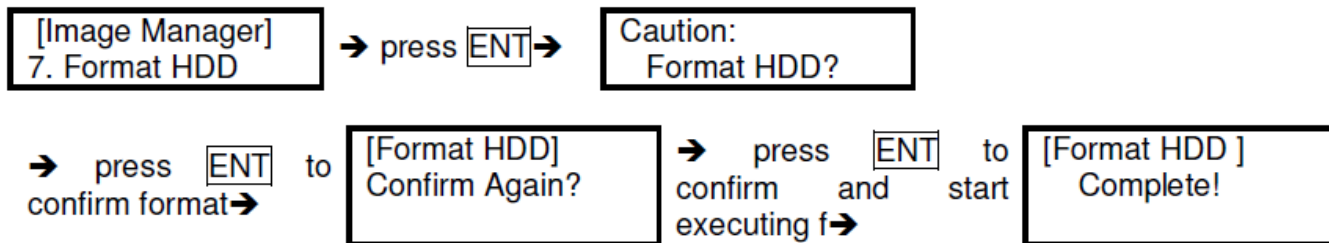
This function checks all information of HDD, such as how many discs are stored and the HDD's available space.



Format HDD

This feature formats the HDD. However, you will be unable to format the HDD if the HDD image was selected as

Reading Source. You must go to 8. Select Source to select the Optical Drive as Reading Source.



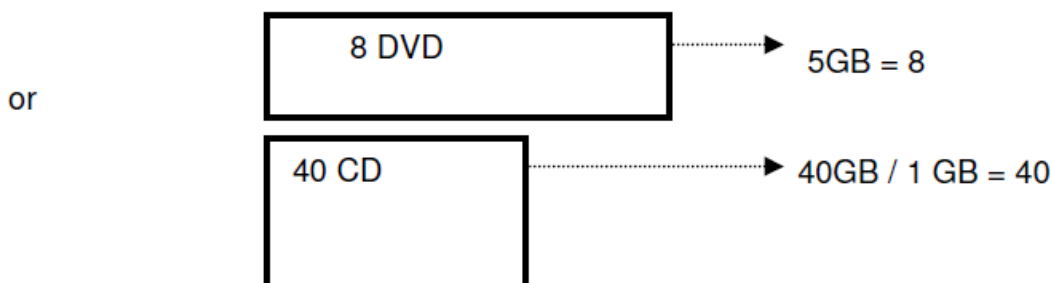
ABOUT HDD MANAGER

Our duplicator uses rational and dynamic HDD management technology. The traditional method of formatting an HDD requires you to choose the number of partitions designated for DVDs and CDs before formatting your hard drive. The problem is that you might not be able to predict how many DVDs or CDs you will load onto your hard drive. Many incomplete partitions can be created, mainly with new DVD disks constantly coming out, such as the double-layer DVD. You need an intelligent and more dynamic way to manage your HDD and our HDD manager can do that for you!

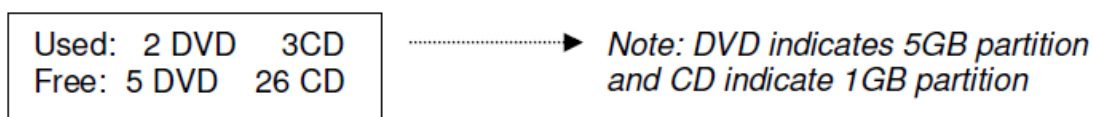
Our Dynamic HDD Manager consists of the following special features:

Auto Detect Disc Capacity and Dynamically Assign Partitions

1. When you first format the built-in HDD, our duplicator will automatically divide the HDD into 1GB partitions. A DVD or CD partition does not have to be selected in the beginning.
2. You can check HDD information in function 12.6 HDD Info. The Hard Drive's capacity is presented in terms of how many DVD or CD discs you can load. For example, if your built-in HDD is 40GB, then the system will show the HDD available capacity:



1. **Note:** DVD is calculated by 5GB, and CD is calculated by 1GB
3. Every time a source disc is loaded, the duplicator will auto detect the disc capacity and assign correct partitions for it. For example, if you load a 4GB double-layer DVD disc into HDD as a disc image, the system will automatically detect and assign 4 partitions for it.
4. Dynamic calculated and display HDD capacity. The duplicator will present built-in HDD capacity information dynamically depending on your loaded source disc's capacity. For instance, before loading a 4GB DVD disc as source disc image, the HDD information shows the HDD capacity that is available for loading 5 DVD's or 26 CD's. However, after loading a 4GB DVD, the system will re-calculate the total available partitions and display how many DVD or CD discs you can load as disc image the next time. Before load 4GB DVD HDD info:

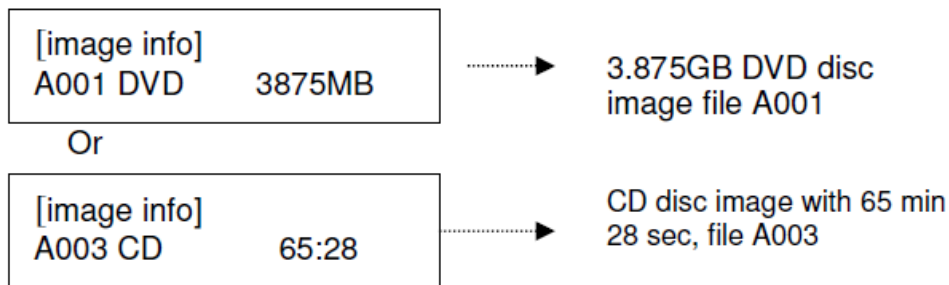


After load 4GB DVD HDD info:


Used: 3 DVD 3CD Free: 4 DVD 22 CD

Smart Image File Management:

1. When Discs are loaded into HDD as stored disc images, the system will assign a file name to the image file, beginning from A001~.
 1. **Note:** Each time a new disc image is loaded, the system will automatically search and assign the lowest number as the file name. For example, if there are no deleted files, the file name will be assigned in sequence beginning from A001. However, if there is a deleted file, such as A003, then the file name will be held. The next time there is a new disc image stored, the lowest number of A003 will be assigned as this new disc image's file name.
2. You are allowed to delete an image file by executing 12.5 delete image. Once an image file is deleted, the name of the file will be left empty and held for a future loaded image file. The existing file name will not be changed or moved ahead due to the deletion.
3. Use 12. 4 Image Info function to check image file information. The image information will display the image file name, Disc type and file size.



Documents / Resources

	ILY 1 to 3 targets CD DVD Duplicator Controller [pdf] User Manual 1 to 3 targets CD DVD Duplicator Controller, 1 to 3 targets, CD DVD Duplicator Controller, DVD Duplicator Controller, Duplicator Controller, Controller
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References

-  [Manual-Hub.com - Free PDF manuals!](#)
- [User Manual](#)

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