



# Summation Technology Value Tower 1-1 DVD/CD Disc Duplicator



USERS MANUAL



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## **INTRODUCTION**

The Summation Value Tower 1-1 duplicator is a stand-alone DVD/CD Disc Duplicator, featuring 1 Reader and 1 Writer. The system will copy 1 disc at a time at maximum speeds of 48x on CD's and 22x on DVD's.

An easy to use operating control panel includes a LCD screen and 4 push buttons. All operating messages and information including function list, instructions, operating status, or error message will be in real time display on the screen. Users can easily read and follow the instructions on the LCD to complete their duplication jobs, usually without referring to the User Manual.

## Getting Started

### **Thank you...**

...for choosing the **Summation Value Tower 1-1** Standalone Duplicator. These duplicators are second to none in terms of speed and accuracy and we hope it will be a valuable addition to your organization for years to come.

### **Unpacking and Inspection**

When unpacking your unit, inspect the carton and packaging material for damage. Damages that may have occurred during shipping could cause alignment and operation errors. Any damages found upon receipt of your unit should be immediately reported to Summation.

***Important!:*** *Keep your packaging!* In the event you need to ship the unit back to the factory for repair, the product must be shipped in the manner in which it was received. Other containers are *not* satisfactory and may void your warranty! If the container is lost or destroyed, another may be purchased from Summation.

### **Choosing a Location**

Placing your unit in an unsuitable location can cause a number of problems. Many problems can be avoided by following these guidelines.

- The unit must be placed on a flat, level surface. A tilt to the unit's base can cause errors in calibration during use. The surface must also be relatively stable and resistant to bumps and jarring.
- The surface the unit is placed on must be able to hold 100+ pounds and be resistant to bowing under such weight.
- Place the unit in a location with adequate air circulation. Closets or cabinets are not suitable as heat build-up can cause the unit to malfunction. Likewise, do not place the unit on or near any heat sources such as heating vents or server racks.

The unit must *not* be placed in an area with direct sunlight, excessive dust,

## Important Safety instructions

Please be aware of the following installation and operation precautions.

- 1. Read these instructions - All the safety and operating instructions should be read before use of this system.**
- 2. Keep these instructions -** The safety and operating instructions should be retained for future reference.
- 3. Heed all warnings -** All warnings on the system and in the operating instructions should be adhered to.
- 4. Follow all instructions -** All operating and use instructions should be followed.
- 5. Do not use this system near water -** for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool, etc.
- 6. Clean only with a damp cloth.** This system should be cleaned only as recommended by the manufacturer.
- 7. Install in accordance with the manufacturers instructions. Do not block any of the ventilation openings.** For example, the system should not be situated on a bed, sofa, rug, or similar surface or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- 8. Do not install near any heat sources** such as radiators, heat registers, stoves, or other products that produce heat.
- 9. Do not defeat the safety purpose** of the grounding-type plug. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10. Protect the power cord** from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the system.
- 11. Only use attachments/accessories** specified by the manufacturer.
- 12. Use only with a cart, stand, bracket, or table** specified by the manufacturer, or sold with the system. When a cart is used, use caution when moving the cart/system combination to avoid injury from tip-over.
- 13. Unplug this system** during lightning storms or when unused for long periods of time.
- 14. Refer all servicing** to qualified service personnel. Servicing is required when the system has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled on, been exposed to moisture or extreme heat, does not operate normally, or has been dropped.





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## LCD Front Panel

### 1. Control Buttons

There are 4 control buttons: ▲, ▼, **ENT**, **ESC**

▲ : UP; Backward; Use this button to navigate backward in the menu.

▼ : Down; Forward; Use this button to navigate forward in the menu.

**ENT** : Enter, Execute the function

**ESC** : Escape, Go back to previous function

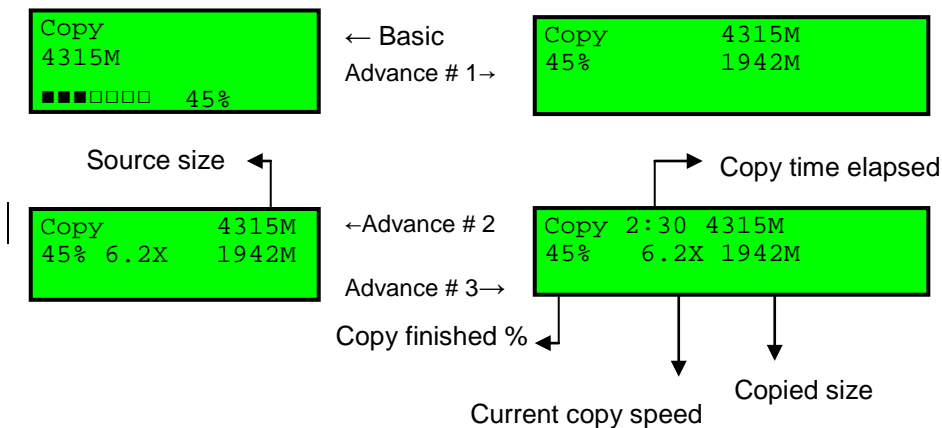


### 2. LCD Panel

The LCD panel is a 2x16 Mono LCD screen. The system will display function information, messages and instructions on the LCD.

Note:

There are two display modes to show information on the LCD while copying. You can change the display mode in "Setup" 11.2. The default setting is "Basic" mode.





## Menu Overview

Below is a quick reference chart of the functions available on the Summation Value Tower 1-1.

|    |                      |   |
|----|----------------------|---|
| 1  | COPY                 | Copies the master CD/DVD. All contents of the master disc will be duplicated on to all target disc(s) simultaneously.   |
| 2  | TEST                 | Simulates the copy process, but no data is recorded onto the blank disc(s).<br><b>Note:</b> Test mode can only be done with DVD-R and CD-R media only.  |
| 3  | COPY & VERIFY        | Copies the master CD/DVD, and then verifies the presence of data on the copied disc(s) to ensure readability of the copied disc(s).   |
| 4  | COPY & COMPARE       | Copies the master CD/DVD, and then immediately follows the copy process with a bit-for-bit comparison between the master disc and copied disc(s) to ensure exact duplication.<br><b>Note:</b> The "Compare" function cannot be used with audio CDs. |
| 5  | VERIFY               | Verifies the presence of data on the copied disc(s) to ensure that the copied disc(s) can be read back.   |
| 6  | COMPARE              | Verifies the presence of data on the copied disc(s) to ensure that the copied disc(s) can be read back.   |
| 7  | SET BURN SPEED       | Allows the speed settings to be changed for various formats   |
| 8  | SELECT SOURCE        | Allows the source drive to be changed to any of the available drives in the duplicator, including the Hard Disk Drive (HDD).  |
| 9  | TRACK EDIT           | Allows for the selection of individual track(s) from different master audio CDs to create custom compilation.   |
|    | 9.1 COPY TRACK       | Allows the selection of individual track(s) from the master CD and copies the selected track(s) onto all target discs.  |
|    | 9.2 CLOSE DISC       | Closes the target discs when all of the track(s) are burned on to all target discs.<br><b>Note:</b> The copied disc(s) will NOT play back without this step. Do NOT skip this step.   |
|    | 9.3 DISC INFO        | Displays the information regarding the track(s) on the disc(s) and how much space is remaining on the target disc(s).   |
| 10 | UTILITY              |   |
|    | 10.1 PRE-SCAN        | Performs a scan on the master disc before the copy process starts and ensures the master disc can be copied in the duplicator.  |
|    | 10.2 QUICK ERASE     | Erases all rewritable media (CD-RW and DVD+/-RW, DVD+/-RW DL).  |
|    | 10.3 FULL ERASE      | Erases all rewritable media (CD-RW and DVD+/-RW, DVD+/-RW DL).  |
|    | 10.4 EJECT ALL DISCS | Ejects all disc trays, including source drive.  |
|    | 10.5 DISC INFO       | Displays basic information of the discs inserted, such as disc type, amount of data on disc for master disc(s) (in MB) and media book type. For blank media, displays the media book type, available space and speed of the media.                  |
|    | 10.6 DRIVE INFO      | Displays information of all drives in the duplicator including the Reader, HDD (if present) and Writer drive(s).  |
|    | 10.7 SYSTEM INFO     | Displays the duplicator controller information, such as the hardware version,   |
|    | 10.8 UPDATE BIOS     | Updates the firmware for the controller.<br><b>Note:</b> Please make sure that the firmware is approved by the manufacturer and compatible with the duplicator before performing the update.  |
|    | 10.9 COPY COUNT      | Counts the number of successful and failed copies of CD and DVD made by the duplicator.   |



|           |   |   |
|-----------|---|---|
| <b>11</b> | <b>SETUP</b>                            |   |
|           | <b>11.1 AUTO START TIME</b>             | Allows the duplicator to automatically start one of six following functions once the master disc and desired number of target disc(s) are inserted and the drive trays are closed: Copy, Test, Copy & Verify, Copy & Compare, Verify and Compare. |
|           | <b>11.2 DISPLAY METHOD</b>              | Sets the amount of information displayed on the LCD during the performance of various functions.  |
|           | <b>11.3 BUTTON BEEP</b>                 | Enables or disables the audio feedback when buttons are pressed.  |
|           | <b>11.4 EJECT ON START</b>              | Allows the duplicator to eject disc tray(s) with disc present inside upon boot-up.  |
|           | <b>11.5 READER SPEED</b>                | Sets the speed at which discs are read during various processes.  |
|           | <b>11.6 LANGUAGE</b>                    | Sets system language interface, there are English, Japanese, Spanish and Portuguese for selection.  |
|           | <b>11.7 CLEAR SET-UP</b>                | Resets all settings back to original factory settings   |
|           | <b>11.8 ADVANCED SET-UP</b>             |   |
|           | <b>11.8.1 POWER ON TIME</b>             | Sets system warm up time from 5 sec to 99 sec. Default is 15 seconds.   |
|           | <b>11.8.2 START-UP MENU</b>             | Assigns a command to be displayed first after the duplicator has been initialized.  |
|           | <b>11.8.3 SKIP READ ERROR</b>           | Enables the option to halt the duplication process if there is an error on the master disc. Disables the option to allow the process to continue with the same errors as the master disc.   |
|           | <b>11.8.4 CHANGE BAD MASTER DISC</b>    | Enables or disables changing of a master disc during the copy process when an error is detected on the master disc.   |
|           | <b>11.8.5 CD OVER BURN</b>              | Enables or disables the duplication of over burned CDs.   |
|           | <b>11.8.6 COPY CD TEXT</b>              | Enables or disables the copying of the CD sub code (CD-TEXT) information for audio CD's.  |
|           | <b>11.8.7 COPY UPC/ISRC</b>             | Enables or Disables copying UPC/ISRC.   |
|           | <b>11.8.8 SHOW HDD IMAGE NAME</b>       | Allows the image name to be displayed on the LCD screen when selecting the HDD as the source drive.   |
|           | <b>11.8.9 BOOT PASSWORD</b>             | Sets password protection for machine boot-up.   |
|           | <b>11.8.10 SET PASSWORD</b>             | Sets password for entry to Set-up Menu.   |
|           | <b>11.8.11 COPY SPECIAL FORMAT DISC</b> | Enable or disable copying special format discs.   |



## QUICK START GUIDE

Step 1: Plug in power cord



Step 2: Turn on power switch



Step 3: Eject top tray and insert Master Disc. Close top tray.



Step 4: Eject lower drive and insert Blank Disc. Close lower tray.



That's all!! Your duplicator will do the rest and eject the copied disc in a few minutes automatically.

## Operation Guide

### 1. COPY

This operation will guide you to copy your Master Disc to a Blank CD/DVD disc.

- ①. Turn on the duplicator.
- ②. Eject Drive tray of the Top Drive and place the Master disc in the tray and Close the drive tray.
- ③. Eject Drive tray of the Bottom Drive and place blank disc on the tray and close the tray. Press **ENT** to execute CD/DVD copy.

```
1. Copy      4315M  
1 disc detected
```

- ④. When the system starts the copy process, it will: Load the Disc, Analyze the Disc, and then start to Copy. During the copy process, the LCD will display the Master Disc's data size and completion percentage of copy process.

```
Copy      4315M  
Loading Disc
```

```
Copy      4315M  
Analyze Disc...
```

```
Copy      DVD 4315M  
■■■■□□□□ 45%
```

- ⑤. Once the copy process is completed, the disc trays will eject and the display will read "Copy Result: Pass X, Fail Y," with X being the number of successful copies, and Y being the number of failed copies. To reduce copy failure, please refer to the troubleshooting section of the manual.

#### **\*\*\*Copy CD+G Discs**

**To Copy CD+G Discs: Go through the steps above. CD+G Discs are copied using the same process.**



## 2. TEST

- ①. This function simulates the copying process. The process is the same as COPY but it won't write anything on the recordable discs.
- ②. Press ▲ , ▼ to navigate the function menu to **2. TEST** and press **ENT** to execute it.

```
2. Test      4315M
1 disc detected
```

- ③. The system will auto-detect the blank disc and start to simulate the process of COPY, just press **ENT** to execute.

```
Test        4315M
Loading Disc
```

```
Test        4315M
Analyze Disc...
```

```
TEST DVD 4315M
■■■■□□□□ 45%
```

When simulation process finished, all disc tray of test-success will eject automatically and LCD will show the amount of PASS and FAIL.



☆☆ Note: **TEST** is unable to support DVD+R blank discs.

☆☆ Note: If you put rewritable disc into writer's tray for **TEST**, the rewritable disc data will be erased completely.



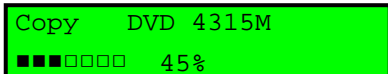
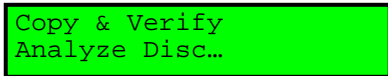
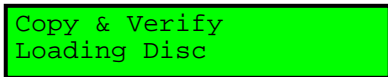
### 3. COPY & VERIFY

This option will make a copy first and then verify copied discs immediately for ensuring disc readability.

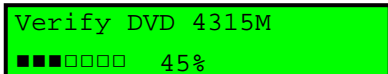
- ①. Before starting this process, please make sure that the Master Disc and blank disc are placed in the correct drives. Press  ,  to navigate the function menu to “**3. COPY&VERIFY.**”



- ②. The system will automatically detect and display how many blank discs were detected. When the system is ready to copy, just press **ENT** to execute CD/DVD copying.
- ③. When the system starts the copy process, it will Load the disc, Analyze the disc, and then start the Copy process. During the copy process, the LCD will display Master Disc's data size and completion percentage of copy process.



- ④. Once the copy process is completed the bottom drive will open briefly, and then automatically close again to begin the Verify process.





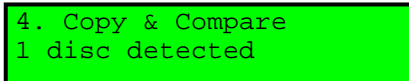
- ⑤. After a completed Copy & Verify process, a successful disc will eject automatically.



#### 4. COPY & COMPARE

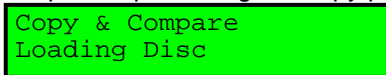
This function will perform the copy process, and immediately follows with a comparison between the master disc and the copied disc(s) to ensure the copies are exact duplicates of the master disc. This command is especially useful for DVDs, data CDs and video CDs.

- ①. Before starting this process, please make sure that the Master Disc and blank discs are in the correct drives.
- ②. The system will automatically detect and display how many blank discs were detected. Press ,  to navigate the function menu to 4. **COPY&COMPARE**.

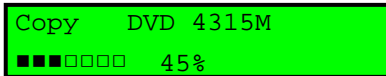


```
4. Copy & Compare
1 disc detected
```

- ③. Press **ENT** to execute CD/DVD coping.
- ④. When the system starts copy process, it will: Load the disc, Analyze the disc, and then start the Copy process. During the copy process, the LCD will display Master Disc's data size and completion percentage of copy process.

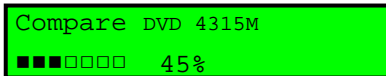


```
Copy & Compare
Loading Disc
```



```
Copy DVD 4315M
■■■■□□□□ 45%
```

- ⑤. When copying is finished, the system will eject the bottom drive briefly, and then close again, continuing the Comparison process to ensure the data of copied discs the same as source disc.



```
Compare DVD 4315M
■■■■□□□□ 45%
```

- ⑥. When the Comparison process is finished, a successful disc will eject automatically.



## 5. VERIFY

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

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.

- ①. Put Master disc and blank disc into the duplicator.
- ②. Press ▲, ▼ to navigate the function menu to **5. Verify**. Then, press **ENT**, the duplicator will Load the disc, Analyze the disc, and start the Verification process automatically.

```
5. Verify  
1 disc detected
```

```
Verify DVD 4315M  
Loading Disc
```

```
Verify DVD 4315M  
Analyze Disc...
```

```
Verify DVD 4315M  
■■■□□□ 45%
```



- ③. When the Verification process is finished, a successfully Verified disc will eject automatically.



## 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.

**Note:** The Compare process is a **bit-by-bit comparison** between the master disc and the copied discs. This operation ensures that all of the copies are completely identical to the Master disc. This command is not applicable to audio CDs.

- ①. Put Master disc and blank disc into the duplicator.
- ②. Press ,  to navigate the function menu to **6. Compare**. Then, press **ENT**, the duplicator will: Load the disc, Analyze the disc and start the Comparison automatically.

```
6. Compare
1 disc detected
```

```
Compare DVD 4315M
Loading Disc
```

```
Compare DVD 4315M
Analyze Disc...
```

```
Compare DVD 4315M
■■■■□□□□ 45%
```

- ③. When a Comparison was finished, a successfully Compared disc will eject automatically.

★☆☆ Note: **ONLY DATA Discs can utilize Compare Function**



## 7. SELECT SPEED

This operation will allow you to adjust and select duplication speed on three different disc types of CD, Audio CD, and DVD.

- ①. Press ▲ , ▼ to navigate to function **7. Select Speed**, and press **ENT**.

```
7. Set Burn Speed
```

- ②. You will see three disc types of CD, Audio CD, and DVD. Move ▲ , ▼ to select disc type and press **ENT** to confirm your selection.

```
[Burn Speed]  
CD = 52
```

```
[Burn Speed]  
Audio CD = 40
```

```
[Burn Speed]  
DVD = 8
```

- ③. Press ▲ , ▼ to set burn speed and press **ENT** to confirm.





## 8. SELECT SOURCE

This option allows you to set master reading source from any Optical Drive. In this unit it will always be the top drive.

- ①. Press ▲, ▼ to navigate to function **8. Select Source** and press **ENT**.

```
8. Select Source
```

- ②. Press ▲, ▼ to select HDD or Optical Drive with assigned number as Reading Source and press **ENT** to complete your selection.

```
Source (D#1) ==>  
D#1: DVD-ROM
```

```
Source Drive ==>  
D#1: DVD-ROM
```



## 9. TRACK EDIT

This process will guide you to select and combine audio tracks from various CDs onto a single customized audio CD.

### 9.1 Copy Track:

- ① Press , to navigate to function **9. Track Edit** and press **ENT**. You will see the sub-catalog of 1. Copy Track and press **ENT** again.

```
9. Track Edit
```

```
[Track Edit]  
1. Copy Track
```

- ② The display will read "Waiting Master Disc". Insert the first Master Disc and press **ENT**
- ③ Once the Master Disc is successfully read, the LCD screen will read "Waiting...Blank Disc". Insert blank disc into the bottom drive and press **ENT**
- ④ Once the system has recognized the audio CD and blank disc, the LCD screen will show the song list as numbers.

```
1 2 3 4 5 6 7 8
```

- ⑤ Press , to navigate to the track number that you want and press **ENT** to select. Continue your selections by pressing **ENT** for every track you wish to select. A letter "a, b, c, d,.. " will appear on top of each selected track.

```
 b   a   c  
1 2 3 4 5 6 7 8
```

- ⑥ After you have finished selecting tracks from this disc, press and move cursor to the end "OK". Press **ENT** to complete and burn it.

```
 d   e  
9 10 11 12 OK
```

- ⑦ Your submitted selections will be copied to the blank disc, the system LCD screen shows copy progress as below.

```
Track 01   04:39  
Copy..... 00:04
```

- ⑧ When duplication was finished, the LCD shows CD-R's usage and free space for report.



```
Track Used 59:15  
15 Free 20:42
```

- ⑨ The display will now read "[Edit Track] 1. Copy Track". If you would like to add tracks from another CD press **ENT** and repeat steps 4-6 for each new Master CD. If your selections of tracks are complete, proceed to step 9.2.

★☆☆ Note: Once you finished **9.1 copy Audio Track**, you **NEED** to perform "**9.2 Close Disc**" on this CD, otherwise your customized audio CD will **NOT** be able to play on CD player.

## 9.2 Close Disc

This process is the last procedure to ensure CD-R/CD-RW disc of copied tracks is a playable Audio CD.

- ① Press ,  to navigate to function **9. Track Edit** and press **ENT**.

```
9. Track Edit
```

- ② Press ,  to select **2. Close Disc** and press **ENT** to start close disc process.

```
[Track Edit]  
2. Close Disc
```

- ③ When the system executes the Close Disc process, you will see the message on the LCD.



```
Finalizing Disc
```

- ④ After the process is complete, the writer drive will eject the tray automatically, and you will see "Finished!" on the LCD screen.

```
Finished!
```

## 9.3 Disc Info.

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

- ① Press ,  to navigate to function **9. Track Edit** and press **ENT**.



```
9. Track Edit
```

- ② Select **3. Disc Info**, and press **ENT**.

```
[Track Edit]  
3. Disc Info.
```

```
[1]          79:59  
CD-R  Use   27:53
```

## 10. UTILITY

This function group includes several Disc related functions. You can press **ENT** and move ,  to select function you want.

### 10.1 Pre-scan

This feature Pre-scans the Master disc to make sure it can be duplicated correctly before you try to go through the copy process.

- ①. Put the Master disc into the top drive. Press ,  to navigate to function 10. **Utility** and press **ENT**.

```
10. Utility
```

- ②. Press ,  to select **1. Pre-scan**, and press **ENT**. The system starts to execute the Master disc check.



```
[Utility]
1. Prescan
```

```
Prescan DVD4315M
■■■□□□□ 45%
```

```
PreScan DVD4315M
PASS!
```

### 10.2 Quick Erase

This operation can quickly erase data of re-writable disc in the bottom drive. When erasing process is finished, the drive tray will eject automatically.

The duplicator can erase different types of re-writable discs simultaneously. You can place re-writable discs you would like to erase in any tray of writers. Under sub-catalog of **10. Utility**, press ,  to select **2. Quick Erase**, and press **ENT** for execution.

```
[Utility]
2. Quick Erase
```

```
Quick Erase Disc
_ O _ _ _ O _ o
```

When done, disc trays will eject automatically.

- ★ ☆Note: If you see "O" "o" blinking, it means Erasing in process.  
If you see "F" "f" blinking, it means new DVD+RW Disc Formatting is processing.



### 10.3 Full Erase

This operation will completely erase all data of re-writable discs in the Writer Trays. It takes longer time than Quick Erase. When finished, the writer drives will eject the drive tray automatically.

Place re-writable discs you would like to erase in any tray of writer drives. Under **10. Utility** sub-catalog, press , to select **3. Full Erase**, and press **ENT** for execution.

```
[Utility]
3. Full Erase
```

```
Full Erase Disc
- O - - - o - -
```

When complete, drive tray will eject automatically.

### 10.4 Eject All Discs

Eject all discs, including Master disc and all discs of writer trays.

Under **10. Utility** sub-catalog, press , to select **4. Full Erase**, and press **ENT** for execution.

```
[Utility]
4. Eject All Disc
```

### 10.5 Disc Info.

This feature will show disc's basic information such as disc type, data length, and available space.

Put discs into any tray. Under **10. Utility** sub-catalog, press , to select **5. Disc Info.** and press **ENT** for execution.

```
[Utility]
5. Disc Info.
```

Use , to get each disc info.

```
[1]          4X, 2X
DVD-RW blank 4483MB
```

```
[2]
No Disc
```

### 10.6 Drive Info.

This feature will allow you to check the CD-ROM drive's major component information included manufacturer, model number and firmware version etc.

- ① Under **10. Utility** sub-catalog, press , to select **6. Drive Info.**, and press **ENT** for execution.

```
[Utility]
6. Drive Info.
```

- ② The duplicator assigns serial number to each drive from top to down. #1 is a Reader and others (#2 ~ #12) are writers.

```
[1]Port1.0 1.03
ASUS DVD-E616A2
```

Use , to get drive info.



### 10.7 System Info.

This feature can provide information on the system, including controller model number, RAM capacity, and firmware version.

Under **10. Utility** sub-catalog, press ▲ , ▼ to select **7. System Info.**, and press **ENT** for execution.

```
[Utility]
7. System Info.
```

```
U468          32MB
Ver:1.64
```

### 10.8 Update BIOS

This operation will update your duplicator's firmware and reopen it. You need to insert Summation's Certified Firmware Update CD.

- ①. Insert the Certified Update CD into the Top Drive. Under **10. Utility** sub-catalog, press ▲ , ▼ to select **8. Update BIOS**, and press **ENT** for execution.

```
[Utility]
8. Update BIOS
```

```
Upgrade BIOS
Waiting Disc...
```

```
Upgrade BIOS
Identify Disc
```

- ②. The system will start executing firmware update automatically. When finished, the update CD will be ejected automatically.

```
Update Firmware
          7%
```

```
Check Firmware
```

```
Flash Complete
Complete!
```

- ③. When finished, the update CD will be ejected automatically and ask you to restart system.

```
TURN OFF POWER &
TURN ON AGAIN!
```

- ④. Please turn off the power a while then start the system again. The system will re-boot. You can observe if the update firmware is new or not.



## 10.9 Copy Counter

This operation will record duplication results, duplicated quantity, and total amount of successful and unsuccessful CD/DVD duplicated.

### 10.9.1 Show Count

Under **10.9 Copy Counter** sub-catalog, press ▲ , ▼ to select **1. Show Count**, and press **ENT**. The LCD will show the number of duplicated discs that pass (P) and fail (F).

|     |     |    |
|-----|-----|----|
| CD  | P12 | F0 |
| DVD | P30 | F0 |

### 10.9.2 Enable Counter

Under **10.9 Copy Counter** sub-catalog, press ▲ , ▼ to select **2. Enable Counter**, and press **ENT** for entry.

Use ▲ , ▼ to open (enable) or close (disable) counter function, and press **ENT** to confirm it.

### 10.9.3 Clear Counter

Under **10.9 Copy Counter** sub-catalog, press ▲ , ▼ to select **3. Enable Counter**, and press **ENT**.

The system will pop up the confirm window, press **ENT** again to ensure that counter goes back to zero.



## 11. SETUP

This function group provides features which allow changing of manufacturer's default settings.

### 11.1 Auto Start Time

When the duplicator detects that master and blank discs are inserted at the same time, the system will execute the copy process automatically. The system default of auto-copy is 5 seconds after detected master and blank discs. You can set "Off" to disable auto-start or re-set the time (1~99 seconds) as you want to activate this feature. This setting is available for modes of COPY, TEST, VERIFY, COPMARE, COPY & VERIFY, COPY & COMPARE.

- ①. Under **11. Setup** sub-catalog, press ▲ , ▼ to select **1. Auto Start Time**, and press **ENT** for entry.

```
[Setup]
1. Auto Start Time
```

```
[Auto Start Time]
5 seconds
```

- ②. Use ▲ , ▼ to set seconds from 1 to 99 seconds. OFF is 0 second. Press **ENT** for confirmation.

★✳ Note: If you set "Off", then LCD screen will not show how many blank discs are detected in writer trays.

### 11.2 Display Method

There are two modes: Basic or Advanced which you can select. The "Basic" 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). The "Advanced" mode displays the percentage of the process completed, the amount of data transferred and the total amount of data on the master disc.

- ①. Under **11. Setup** sub-catalog, press ▲ , ▼ to select **2. Display Mode**, and press **ENT** for entry.

```
[Setup]
2. Display Mode
```

```
[Display Mode]
Basic
```

- ②. Use ▲ , ▼ to select display mode and press **ENT** for confirmation.

```
Copy DVD 4315M
■■■■□□□ 45%
```

← Basic

```
Copy 2:30 4315M
45% 4X 1942M
```

← Advanced



### 11.3 Button Beep

You can choose whether you want to hear a beep when you press a button or not.

- ① Under **11. Setup** sub-catalog, press ▲ , ▼ to select **3. Button Beep**, and press **ENT** for entry.

```
[Setup]
3. Button Beep
```

- ② Use ▲ , ▼ to open (ON) or close (OFF) this function and press **ENT** for confirmation.

```
[Button Beep]
ON
```

### 11.4 Eject On Start-up

Under this operation, you can set the system to eject all disc trays or only master source disc tray when the system is powered on and after going through its diagnostic check.

- ① Under **11. Setup** sub-catalog, press ▲ , ▼ to select **4. Eject On Start**, and press **ENT** for entry.

```
[Setup]
4. Eject On Start
```

- ② Use ▲ , ▼ to select function of Eject All Disc, No Eject, Eject Target, Eject Source or Eject All Trays. Press **ENT** for confirmation.

```
4. Eject On Start
Eject All Disc
```

### 11.5 Reader Speed

This feature allows you to set reading speed of Master Drive.

- ① Under **11. Setup** sub-catalog, press ▲ , ▼ to select **5. Reader Speed**, and press **ENT** for entry.

```
[Setup]
5. Reader Speed
```

- ② Use ▲ , ▼ to adjust reading speed of CD and press **ENT** for confirmation.

```
[Reader Speed]
CD=48
```

- ③ Use ▲ , ▼ again to adjust reading speed of DVD and press **ENT** for completion.

```
[Reader Speed]
DVD=18
```



## 11.6 Language

Set system language interface, options are: English, Japanese, Spanish and Portuguese.

- ① Under **11. Setup** sub-catalog, press ▲ , ▼ to select **6. Language**, and press **ENT** for entry.

```
[Setup]
6. Language
```

- ② Use ▲ , ▼ to select the language you want and press **ENT** for confirmation.

```
[Language]
English
```

## 11.7 Clear Set-up

Reset all of the operations and back to the Manufacturer's default setting.

- ① Under **11. Setup** sub-catalog, press ▲ , ▼ to select **7. Clear Set up**, and press **ENT** for entry.

```
[Setup]
7. Clear Setup
```

- ② The system will ask you "Clear Parameter To Default?" If you want, press **ENT** for selection.

```
Warning..
Clear Parameter
```

## 11.8 Advanced Set up

### 11.8.1 Power On Time

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

- ① Under **11.8 Advanced Setup** sub-catalog, press ▲ , ▼ to select **1. Power On Time**, and press **ENT** for entry.

```
[Advanced Setup]
1. Power On Time
```

- ② Use ▲ , ▼ to set seconds.

```
Power On Delay
15 seconds
```

- ③ After selection, press **ENT** to save it and press **ESC** to leave this sub-menu.

### 11.8.2 Startup Menu

This function sets the command to be displayed first when the machine is powered up and initialized. All primary commands are available to be set for Start-up: Copy, Test, Copy & Verify, Copy & Compare, etc. The default start-up menu is COPY.

- ① Under **11.8 Advanced Setup** sub-catalog, press ▲ , ▼ to select **2. Startup Menu**, and press **ENT** for entry.

```
[Advanced Setup]
2. Startup Menu
```

- ② Use ▲ , ▼ to select function and press **ENT** for confirmation.

```
[Startup Menu]
1. Copy Disc
```

### 11.8.3 Skip Read Error

This function allows the duplicator to skip uncorrectable read errors on the master DVD or CD. This feature can be turned ON or OFF.

- ① Under **11.8 Advanced Setup** sub-catalog, press ▲ , ▼ to select **3. Skip Read Error**, and press **ENT** for entry.

```
[Advanced Setup]
3. Skip Read Error
```

- ② Use ▲ , ▼ to open (Yes) or close (No) this function and press **ENT** for confirmation.

```
[Skip Read Error]
Yes
```

### 11.8.4 Change Bad Master Disc

If this operation is 'Enabled', the system will eject the Master disc and ask for another Master disc when it finds a Master disc unreadable.

- ① Under **11.8 Advanced Setup** sub-catalog, press ▲ , ▼ to select **4. Change Bad Master Disc**, and press **ENT** for entry.

```
[Advanced Setup]
4. Change Bad Mas
```

- ② Use ▲ , ▼ to open (Enable) or close (Disable) this function and press **ENT** for confirmation.

```
[Change Bad Mas]
Disable
```



### 11.8.5 CD Over Burn

This function allows the copying of CDs that have been burned over their maximum capacity.  
NOTE: **The target disc(s) must be the same capacity as the Master disc.**

- ① Under **11.8 Advanced Setup** sub-catalog, press ▲ , ▼ to select **5. CD Over Burn**, and press **ENT** for entry.

```
[Advanced Setup]
5. CD Overburn
```

- ② Use ▲ , ▼ to open (Enable) or close (Disable) this function and press **ENT** for confirmation.

```
[CD Overburn]
Disable
```

### 11.8.6 Copy CD-text

This function allows the copying of the CD-TEXT on the master disc(s) to the target disc(s).

- ① Under **11.8 Advanced Setup** sub-catalog, press ▲ , ▼ to select **6. Copy CD-text**, and press **ENT** for entry.

```
[Advanced Setup]
6. Copy CD-text
```

- ② Use ▲ , ▼ to open (Enable) or close (Disable) this function and press **ENT** for confirmation.

```
[Copy CD-text]
Disable
```

### 11.8.7 Copy UPC/ISRC

- ③ Under **11.8 Advanced Setup** sub-catalog, press ▲ , ▼ to select **7. Copy UPC/ISRC**, and press **ENT** for entry.

```
[Advanced Setup]
7. copy UPC/ISRC
```

- ④ Use ▲ , ▼ to open (Enable) or close (Disable) this function and press **ENT** for confirmation.

```
[Copy UPS/ISRC]
Disable
```

### 11.8.8 Show HDD Image Name (Only for units with Hard Drive Installed)

- ① Under **11.8. Advanced Setup** sub-catalog, press ▲ , ▼ to select **8. Show HDD Image Name**, and press **ENT** for entry.

```
[Advanced Setup]
8. Show HDD Image
```

- ② Use ▲ , ▼ to select display of the image name or capacity and press **ENT** for confirmation.

```
[Show HDD Image]
Image Name
```

### 11.8.9 Boot Password

This function allows you to use and set-up password protection for the duplicator before the boot-up process can be started. The boot password prevents anyone unauthorized from using the duplicator system.

- ① Under **11. Advanced Setup** sub-catalog, press ▲ , ▼ to select **9. Boot Password**, and press **ENT** for entry.

```
[Advanced Setup]
9. Boot Password
```

- ② Use ▲ , ▼ to open (Enable) or close (Disable) this function and press **ENT** for confirmation.

```
[Boot Password]
Disable
```

- ③ After selecting "Enable", you will see the password setting frame. There are 6 numbers for your setting. Please use ▲ , ▼ to set letters and press **ENT** for completion.

### 11.8.10 Set Password

This function sets password protection for the duplicator before the setup settings can be altered. The setup password prevents unauthorized changes to the system.

- ① Under **11.8 Advanced Setup** sub-catalog, press ▲ , ▼ to select **10. Set Password**, and press **ENT** for entry.

```
[Advanced Setup]
10. Set Password
```

- ② Use ▲ , ▼ to open (Enable) or close (Disable) this function and press **ENT** for confirmation.

```
[Set Password]
Disable
```

- ③ After selecting Enable, you will see the password setting frame. There are 6 numbers for your setting. Please use ▲ , ▼ to set letters and press **ENT** for completion.



### 11.8.11 Copy Special Format Disc

- ⑥. Under **11.8 Advanced Setup** sub-catalog, press ▲ , ▼ to select 11. Copy Special Format Disc, and press **ENT** for entry.

```
[Advanced Setup]
11.Special Format
```

- ⑥. Use ▲ , ▼ to open (Enable) or close (Disable) this function and press **ENT** for confirmation.

```
[Special Format Disc]
Disable
```

## 12. Troubleshooting Guide

There are no end-user serviceable components that can be replaced in the CD/DVD Duplicator. Please contact Summation for warranty repairs and service.

### No LCD display.

- Please check if the power cord is connected properly and the utility power is supplied. Please check if the fan of power supply is rotating. If not, it might be broken.

### Error message shown on LCD.

- Reboot the duplicator.
- Change master disc and try again.

### CD Drive doesn't read disc and shows error message.

- Check the format of master disc.
- Use other Master disc or other duplicator to test master.

### Switches do not function.

- Task busy. Please wait.
- Restart unit.
- Faulty controller board.

### Copy completed but disc is not readable / executable.

- Test with another CD-ROM/DVD-ROM.

### Failure rate is high.

- Lower writing speed and try again.
- Quality of blank disc is poor.
- Quality of master disc is poor.
- Rated speed of discs does not match writers. Ensure discs meet writers rated speed.
- Update the latest BIOS version. See manufacturer for latest firmware updates.



## FAQ's

### **What if the Duplicator will not power on?**

Make sure the unit is plugged into a proper power source and the unit is turned "on."

### **What if the duplicator is having trouble making a copy, what can be done?**

The most common problem with discs playing but not duplicating can be attributed to overall quality. Some factors affecting disc quality include brand of blank media used, physical damage, and write quality. It is important that the disc is free of damage or blemishes and produced on a high quality brand of media

Make sure that the "master" disc has been finalized.

Make sure the "master" DVD is not encrypted or is not a copy protected original.

Make sure you have high quality, blank pieces of media.

Make sure your master disc and blank disc are the same format. (-R to -R or +R to +R)

Make sure you're not trying to copy a CD to a DVD or DVD to CD.

Try using a different brand of blank media.

### **What if the duplicator is having trouble reading a DVD, what can be done?**

Make sure you have Content on the "master" disc.

Make sure the "master" disc in good condition. (Disc is not scratched)

Make sure the disc is placed in the drive properly. (Data side down)

Make sure the "master" disc has been finalized.

### **What does "Stand-Alone" mean?**

No computer is required to make copies of DVDs. Plug it in, turn it on, insert source DVD and blank media, close the drive trays and the duplicator starts copying.

### **Can I copy Hollywood DVD movies with a Summation duplicator?**

No, commercial movies are copy protected and cannot be copied with this or any duplicator. You can copy your own video creations.

### **Can I copy CDs in a Summation DVD duplicator?**

Yes, you can copy CDs in this duplicator. Just use blank CD-R Media that is certified at least 40X, and use the same process used to duplicate a DVD.

### **Can I copy DVDs to CD Media in Summation duplicators?**

No, DVDs will only copy to blank DVD Media.

### **How do I clean my Summation duplicator?**

The best maintenance for your duplicator is preventive maintenance. Using a system in an area with excessive dust, smoke, or other contaminants is not recommended since it will increase error rates and reduce hardware life expectancy. Some light cleaning can be performed; you can use a can of compressed air for dusting out drives.

### **Need Technical Support?**

Technical support is part of every solution we sell at Summation. Should you need assistance in operation of any equipment or system you have purchased from Summation, please contact us by phone, or send us an e-mail.

For phone support, please call 1-888-340-3738 between 8:00am-5:00pm MST Monday thru Friday (excluding holidays).

To contact us by email, send a message to [support@summationtechnology.com](mailto:support@summationtechnology.com)