

Copy Master II User's Guide



OCTAVE
SYSTEMS INCORPORATED

Octave Systems Inc.

504A Vandell Way

Campbell, CA 95008 - USA

Tech Support: 1-866-531-8325

www.octave.com

info@octave.com

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Table of Contents

Overview	5
Welcome	5
The LCD Control Panel	7
Menu Overview	8
Introduction to Account Management	13
Introduction to Duplication Modes	14
IEEE 1394 Firewire / USB 2.0 Device Setup Guide	16
Setting Counters and Assigning Names	17
Setting Counters	17
Editing Names	19
Operation	21
Copy	21
Making Copies	21
Making Hard Drive (HDD)-to-Disc Copies	25
Test	29
Compare	29
Test+Copy	31
Copy+Compare	31
Verify	31
Select Burn Speed	33
Select Source	35
Erase	37
Hard Drive Setup	38
Select Partition	39
Load Partition	39
Rename Partition	41
Delete Partition	41
Partition Info	42
Partition Size	43
Select Loading Drive	44
Format Hard Drive	44
Edit Audio Tracks	45
Setup	48
Language	48
Auto Start	49
Read Error Skip	50
CD Writing Mode	50

Max Audio & VCD Speed	51
Buzzer	51
Startup Menu	52
Screen Saver	52
Duplication Mode	53
Counter	54
AUTOCOPY	54
DVD+R High Compatibility Mode	56
Utility	57
Disc Info	57
Prescan	59
System Info	60
Device Info	61
Load Default	61
Update Firmware	62
Manage Accounts	63
View User	64
Create User	64
Edit User Info	65
Delete User	66
Password on Bootup	67
Shutdown	67
Trouble Shooting	69
Specifications	71
Menu Tree	78

Chapter 1: Overview

1. Welcome

The Copy Master II duplicator is a reliable, high performance, high speed, standalone CD and/or DVD duplicator. With its professional industrial design and simple user interface, it makes your duplicating experience easier than ever.

Before you start using this duplicator, please read the following to ensure proper operation:

Important Notice

If you have purchased a CD duplicator, your duplicator will duplicate CDs ONLY. However, if you have purchased a DVD duplicator, it will duplicate both DVDs and CDs.

DVD Duplication Limitations

The DVD duplicator will not copy any DVDs that have Copy Protection encoded in the content. Typically, most DVDs you purchase or rent from a store contain Copy Protection.

In addition to the copy protection limitation, the duplicator will only copy a DVD5 format (4.7 GB) disc to another DVD5 format recordable DVD media. If your duplicator has double layer/dual layer capability, you can copy a DVD9 format (8.5 GB) disc to another DVD9 format recordable DVD media, but you cannot duplicate a DVD5 format disc on to a DVD9 format recordable media or vice versa.

Temperature Warning

If the duplicator was stored in a location where the temperature dropped below 32° F (0° C) within the past 24 hours, leave the duplicator in a warm room with temperatures at least 65° F (19° C) for four hours prior to powering it on for the first time. Failure to do so may cause irreparable harm and prevent the duplicator from functioning.

External Connection Warning

If you have an external connection installed in your duplicator, you will see the USB/Firewire switch(s) on the back of your duplicator, and/or USB/Firewire sticker(s) on your writer front drive panel(s). In order to operate the duplicator solely as a standalone unit (no connection to the computer), you

have to ensure that all of the USB/Firewire connection light(s) on the back of your duplicator are off. If the USB/Firewire connection light(s) are on, you need to follow the following steps:

1. Turn-off your duplicator.
2. Turn-off the USB/Firewire switch(s).
3. Turn-on your duplicator.
4. Make sure all the USB/Firewire lights are off.

Maintenance

It is very important to operate and keep the duplicator in a dust free, clean environment since dust is the number one killer of CD/DVD recording devices. Failure to do so can severely damage your duplicator. We strongly suggest that you constantly use an Air Duster (Canned Air) to clear off any dust on the surface of the duplicator.

Note: Do not try to use an Air Duster to clean the duplicator while the reader/writer trays are open. In doing so, you may inadvertently blow dust into the recording device and damage it.

Proper Shutdown

To avoid possible system failures, you need to shutdown the duplicator properly. To shutdown the duplicator, scroll to menu *15. Shutdown* and follow the instructions on the screen. Not performing this function increases the risk of damaging the duplicator.

Double Layer/Dual Layer Partition Issue

If you have a 16x speed or higher duplicator with double layer/dual layer DVD9 capability, the hard drive partitions are set to a default size of 9 GB each to accommodate for the expanded size of the DVD9 format. If you require more partitions and do not plan on using double layer/dual layer DVD9 media, you can reduce the size of the partitions using the instructions given in "Partition Size" on page 43. Keep in mind that if you alter the partition size, all previous data/video stored on the hard drive will be lost and you will only be able to load media with less than 5 GB capacity such as DVD5 (4.7 GB), CD (700 MB), etc.

2. The LCD Control Panel

Figure 1-1 shows the LCD Control Panel. This panel has a two-line by 20 character LCD display to provide user feedback and eight push buttons to control the operation of the Copy Master II. The functions for these buttons are shown in Table 1-1.

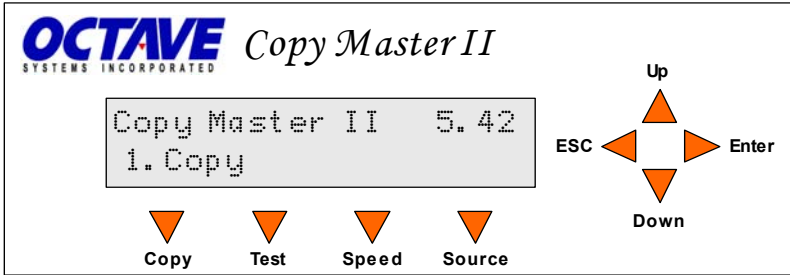










Figure 1-1 LCD Control Panel Layout

Table 1-1 Front Panel Controls

Control	Name	Function
	Up	Scroll up through the menu or list.
	Down	Scroll down through the menu or list.
	Enter	Execute the function. Also called OK in the Menus.
	ESC	Go back to the previous function
 Copy	Copy	Quick key to make a copy. Pressing this key takes you directly to the 1. Copy menu.
 Test	Test	Quick key to make a simulation of the copy process. Pressing this key takes you directly to the 2. Test menu.
 Speed	Speed	Quick key to change the duplication speed. Pressing this key takes you directly to the 7. Speed menu.
 Source	Source	Quick key to change the master reading source. Pressing this key takes you directly to the 8. Source menu.

3. Menu Overview

This section provides an overview of the menu options. These menu options are explained in detail on the referenced pages.

1. Copy page 21

Use the *Copy* menu or *Copy* quick key to make CD/DVD copies. Before you start a copy, make sure you have selected the correct Master Reading Source. For additional information, see “Making Copies” on page 21 or “Making Hard Drive (HDD)-to-Disc Copies” on page 25.

2. Test page 29

Use the *Test* menu or *Test* quick key to simulate the copy process. With simulation, write once recordable discs such as DVD-R, or CDR will be reusable. The purpose of simulation is to ensure error free duplication.

Note: Due to physical limitations of the DVD+R recordable format, if you try to simulate DVD+R copying, you will encounter failure messages.

Warning: If you are using CD/DVD ReWritable discs as your blank media during the simulation, the content on those discs will be permanently erased.

3. Compare page 29

Use the *Compare* function to perform a bit-by-bit comparison between the Master Reading Source and all of the disc copies in the Writer Trays. This ensures that all of your copies are identical to the Master Reading Source.

Note: The Compare and Copy+Compare functions only work with data discs, and do not work with audio/video discs.

4. Test + Copy page 31

Use the *Test + Copy* menu option to simulate the copying process. If everything passes during the simulation, the Copy Master II performs the actual copy process. If an error is encountered during the simulation, the Copy Master II displays an error message, and the copy process is not initiated.

5. Copy + Compare page 31

Use the *Copy + Compare* menu option to make verified copies. After the copy process is done, the Copy Master II automatically compares the copies to the Master Reading Source to ensure data correctness.

6. Verify **page 31**

Use the *Verify* menu option to perform a Disc Readability Check. This checks the readability of your master and copies to ensure that they are all readable.

7. Select Burn Speed **page 33**

Use the *Select Burn Speed* menu option or the *Speed* quick key to adjust the duplication speed for the various duplication modes. For additional information, see “Select Burn Speed” on page 33.

8. Select Source **page 35**

Use the *Select Source* menu or the *Source* quick key to set the Master Reading Source. For additional information, see “Select Source” on page 35.

9. Erase **page 37**

Use the *Erase* menu to erase your ReWritable discs. There are two options:

- **Full Erase:** This option erases the entire disc, destroying all previously written data in the process.
- **Quick Erase:** This option erases the index of the ReWritable disc, not the data section.

10. Hard Drive Setup **page 38**

Use the *Hard Drive Setup* menu to perform various hard drive-related operations. These options include loading, renaming, or deleting your images. For additional information, see “Setup” on page 48.

11. Edit Audio Tracks **page 45**

Use the *Edit Audio Tracks* menu to combine audio tracks from various CDs into a single compilation audio CD. For additional information, refer to the “Edit Audio Tracks” on page 45.

12. Setup **page 48**

Use the Setup menu options to control how the Copy Master II operates. You can scroll between the various options using the ▲ **Up** and ▼ **Down** buttons.

■ **1. Language**

Use this setting to choose the language used to navigate the duplicator. The standard duplicator supports English, Spanish, French and Japanese menus.

■ 2. Auto Start

Use this setting to set Auto Start to *Full*, *Auto*, or *Off*.

Full sets the duplicator to automatically copy once your master disc and all of the writer trays of the duplicator are filled with recordable media.

Auto starts the duplication process automatically when your duplicator has detected that blank discs have been inserted, and does not detect any additional blank discs for 30 seconds.

Off requires you to press the ► **Enter** button to begin the duplication.

In order for this feature to take effect, you need to be inside one of the operation menus: *Copy*, *Test*, *Test & Copy*, or *Copy & Compare*.

■ 3. Read Error Skip

Normally, when the duplicator encounters a read error while reading the master disc, all the duplication will be aborted and all the recordable media will be ruined. However, if you believe that your master disc has a small, insignificant error due to physical damage, you can enable this setting to allow the duplicator to skip any read errors that it encounters.

Important: This function does not fix the error; it only skips it to make the rest of the data readable.

■ 4. CD Writing Mode

Use this setting to select the mode you would like use to duplicate a CD.

There are two different modes: "Disc at Once" and "Track at Once."

Unless you understand completely what they mean, we strongly suggest you to set it as "Disc at Once".

■ 5. Max Audio & VCD Speed

Audio CD's and Video CD's do not have internal error checking capability, so duplicating them at too high a speed can cause frequent errors. Use this setting to adjust the maximum duplication speed for Audio and Video CDs.

■ 6. Buzzer

Use this setting to choose whether you want to hear a beep when you press a button and when a task has been completed.

■ 7. Startup Menu

Use this setting to choose which menu you would like to see first when you turn on the duplicator.

■ 8. Screen Saver

Use this setting to enable or disable the Screen Saver. When this is enabled, a screen saver is displayed whenever your duplicator has been idle for a long period of time.

■ **9. Duplication Mode**

Use the *Duplication Mode* option to set the duplication from hard drive mode. The options are “Auto,” “Load and Copy,” and “On the Fly.” For additional information, refer to “Introduction to Duplication Modes” on page 14.

■ **10. Counter**

Use the *Counter* menu to enable or disable the Counter feature. The counter tells you how many discs have been copied and how many discs are left to go.

■ **11. AUTOCOPY**

This menu option turns on the hidden Autocopy menu option. The Autocopy function allows you to copy from Disc to Disc automatically without pressing any keys. It is the simplest way to make CD/DVD copies.

■ **12. DVD Compatibility Mode**

This feature allows you to turn the DVD+R High Compatibility Mode feature ON or OFF. The purpose of this feature is to increase the compatibility of DVD+R media with a broader range of DVD Video players.

13. Utilities

page 57

Use the Utilities menu options to access the various utilities built into the Copy Master II. You can scroll between the various options using the ▲ **Up** and ▼ **Down** buttons.

■ **1. Disc Info**

Use the *Disc Info* utility to identify the type of blank recordable media. This utility identifies your blank recordable Media's format, capacity, manufacture ID, and the Media's certified writing speed.

Note: This feature only applies to media in the Recording Trays.

■ **2. Prescan**

Approximately half of the failures reported by the Copy Master II duplicator are caused by errors in the master disc that the Reader couldn't overcome. When this kind of failure occurs, it tends to waste all of your blank recordable media.

Use the *Prescan* utility to detect flaws in the master disc prior to performing the duplicating process. This utility will scan and detect any bad sectors existing in the master disc. You should perform this feature before starting the duplication process for all master discs. Doing so can prevent wasting the blank media when there is an error in the master disc.

■ 3. System Info

Use this utility to see information about your duplicator. This information includes the firmware version, CPU type, and RAM capacity. You can check the specifications by pressing the ▲ **Up** and ▼ **Down** buttons.

■ 4. Device Info

Use this utility to see information about the CD/DVD drives in your duplicator. This information includes the manufacturer, model number, etc.

■ 5. Load Default

Use this utility to reset all of the options back to the manufacturer's default values. You can use this function if your duplicator is acting abnormally.

■ 6. Update Firmware

Use this utility to update the software in your duplicator. To update, insert the manufacturer's Certified Update CD into the Reader and press the ► **Enter** button.

Important: You should not upgrade your duplicator's firmware unless your duplicator is becoming unstable or you are advised to so by Tech Support.

14. Manage Accounts

page 63

Use this menu option to:

- Create user accounts and passwords to prevent unauthorized use of the duplicator.
- Edit existing user account information, including name and password.
- Delete existing user account(s).
- Enable/Disable this feature.

For additional information, refer to “Introduction to Account Management” on page 13.

15. Shutdown

page 67

Use this menu option to turn off your duplicator. Once you see “Ready to Power Off” message, then you can safely turn off the machine using the power switch.

Turning off your duplicator without performing this function increases the risk of damaging your duplicator.

4. Introduction to Account Management

This feature allows the administrator to:

- Create user accounts and passwords to prevent unauthorized use of the duplicator.
- Edit existing user account information, including name and password.
- Delete existing user account(s).
- Enable or disable Account Management.

Account Management is disabled by default. Prior to activating the “Account Management” feature, the duplicator recognizes all users as the Administrator.

The pre-defined password for this function is “0000.”

By adding additional users, each individual user has his/her own settings and only has access to the hard drive partitions that the individual user loaded to the hard drive. No one else can access their hard drive partitions other than the Administrator.

For example, if USER 1 logs-in and loads a master disc to hard drive Partition A, when USER 2 logs-in, USER 2 will not have access to any partitions loaded by USER 1; which includes partition A.

To take advantage of this feature, follow the these instructions:

1. Change the Administrator password. Refer to “Edit User Info” on page 65 for additional information.
2. Create a User Name and Password for each authorized person on this duplicator. Refer to “Create User” on page 64 for additional information.
3. Enable the Account Management feature by turning on the “Password on Bootup” setting. Refer to “Password on Bootup” on page 67 for additional information.

***Note:** This duplicator comes with a standard license that allows you to create up to 32 users. However, if you desire to create more than 32 users, please contact Octave Systems regarding our special 64 user license pack.*

For instructions on managing accounts, see “Manage Accounts” on page 63.

5. Introduction to Duplication Modes

In order to achieve 8x or higher duplication performance, the factors that need to be considered are:

- Master Disc Reading Speed
- Recorder Writing Speed
- Media Writing Speed

If any of these factors fail to meet the 8x or higher certification, under any circumstances, you will encounter bottleneck symptoms that will delay your duplication time and reduce your duplication quality.

The recordable media must be certified for 8x or higher in order to have 8x or higher recorder writing speed.

When making duplications directly from a master disc to a blank disc, you often cannot maintain true 8x speed throughout the duplication process. Due to physical recordable DVD limitations, most DVD master discs cannot be read at 8x or higher speeds continuously. Often the reader will fall behind the burners, and the whole process will have to slow down.

In order to avoid this issue, load the DVD master disc into a hard drive partition and then make all duplications from the hard drive. Once loaded, you can make copies from the hard drive partition as you would from the master disc.

To simplify this process, use the “Load and Copy” option under the category “Duplication Mode”. This feature reduces the “Duplication from Hard Drive” process to a single step. See “Copy” on page 21 for more information.

There are three options under “Duplication Modes”:

- **On the Fly**

The *On the Fly* mode instructs the duplicator to copy directly from the master disc. The duplicator performs simultaneous read and write operations without any delays.

Advantages:

- Ideal for small quantity quick duplication

Disadvantages:

- Requires a master disc for each and every run. (Could be harmful to the master disc).
- Maximum DVD duplication speed is typically limited to 4x or 6x.
- Requires the master disc to be in excellent condition for error-free duplication.

- **Load and Copy**

The *Load and Copy* mode instructs the duplicator to load your master disc into the hard drive Reserve partition and make the requested quan-

tity of copies directly from the hard drive. The image remains stored in the Reserve partition, available for future duplications of the same project, until you perform this feature again with a new master. Once a new master is used for Load and Copy, the new image will override the previous image and all duplications from the Reserve partition will be with the new image.

Advantages:

- Faster duplication in a long run. (Un-Restricted DVD Duplication speed supported by the duplication blank media).
- Stable duplication.
- Reliable duplication

Disadvantages:

- The loading time may have an impact on overall duplication time for small duplication jobs.
- The master disc will be loaded to the Reserve partition in the Hard Drive temporarily until a new master is loaded and overrides the previous image.
- **Auto**

Auto mode detects when a master disc has been inserted, and then gives you the option to select between *On the Fly* mode and *Load and Copy* mode.

In comparing *Load and Copy* duplication mode with the traditional “Duplication from Hard Drive” process, *Load and Copy* mode offers the user more simplicity because all the necessary tasks are automated. However, by bypassing the standard “Duplication from Hard Drive” process, you cannot use the Partition Naming feature, and the image will only remain until it is overridden by using load and copy from another master disc.

By default, the duplication mode is set to *Auto*. This mode prompts you to choose one of the duplication modes when you enter any of the following functions:

- Copy Test
- Test and Copy
- Copy and Compare

However, if you prefer not to be prompted each time, you can always go to menu 12. *Setup* and select option 14. *Menu* and manually reset it.

For information on setting up the duplication modes, see “Duplication Mode” on page 53.

6. IEEE 1394 Firewire / USB 2.0 Device Setup Guide

For first-time use:

1. Turn-off your duplicator if it is running.
2. Turn-off your computer if it is running.
3. Set the IEEE 1394 Firewire/USB2.0 switch on the back of your duplicator to "ON."
4. Use the standard IEEE 1394 Firewire/USB 2.0 cable to connect your computer and your duplicator.
5. Turn on your duplicator.
6. Turn on your computer.
7. Your computer will recognize a number of external devices depending upon the machine you purchased.

***Note:** You will need to reboot your duplicator every time you want to turn on/off the USB 2.0/Firewire Warning Device(s).*

Every single PC-related product has a compatibility issue. Even though we have thoroughly tested your Firewire/USB connection(s) prior to shipment, there is still a slight chance that your PC/Mac computer is not compatible with our Firewire/USB connection. If that happens, contact your PC/Mac manufacture for possible configuration changes to make it work or try it on other PC/Mac computers.

7. Setting Counters and Assigning Names

Two frequently used tasks are setting counters and assigning names to partitions. Directions for these tasks are given here.

7.1 Setting Counters

The Copy Master II frequently gives you the option to set a counter so that the machine can keep track of the number of copies made. Follow these steps when you see a Counter Selection Menu:

```
Counter:  
No Counter
```

The Counter Selection Menu lets you set how many copies you want to make for your project. The Counter Selection feature tells the duplicator to count the number of copies you have made and notify you when the desired number of copies has been reached.

You can select “No Counter” if you prefer to copy continuously with no interruption. (It will still count the number of copies, but it will not notify you when to stop.) To select the “No Counter”, simply press the ► **Enter** button when you see the screen above.

Or, you can select “Specify Counter” between 1 to 9999 by pressing the ▲ **Up** or ▼ **Down** buttons to go the *Specify Counter* menu:

```
Counter:  
Specify Counter
```

Press the ► **Enter** button to select this option. You will see the next *Specify Counter* menu::

```
Specify Counter:  
[0] 1 OK?
```

To specify the number of copies for your project, you need to enter/input a four-digit number.

If you need to specify a number that is less than four digits, fill the leading spaces with zeros (any leading zeros will be skipped). Examples of four-digit numbers are “0234” (two hundred and thirty four), or “0010” (ten).

To enter the number, you need to use the ▲ **Up** or ▼ **Down** buttons to select the number for each digit and use the ► **Enter** or ◀ **ESC** button to move the cursor position right or left. Once you've finished, move the cursor to “OK” and press the ► **Enter** button. For example, if you want to specify a counter

value of 21 (twenty one). The 4-digit value would be "0021." To input the desired quantity, do the following:

Make sure the cursor is located at the first position:

```
Specify Counter:
[0  1 OK?
```

- Press the ▼ **Down** button repeatedly until "0" is displayed.
- Press the ► **Enter** button once to move the cursor to the next position.
- Press the ▼ **Down** button repeatedly until "0" is displayed.
- Press the ► **Enter** button once to move the cursor to the next position.
- Press the ▼ **Down** button repeatedly until "2" is displayed.
- Press the ► **Enter** button once to move the cursor to the next position.
- Press the ▼ **Down** button repeatedly until "1" is displayed.
- Now, "0021" is displayed, press the ► **Enter** button once and the cursor moves to "OK".

Then, press the ► **Enter** button once to submit your counter value. You will now see one of the following screens:

```
Preparing...
Waiting for Master
```

or:

```
Preparing...
Waiting for Blanks
```

Note: *If either one of these screens is displayed for more than two minutes, check your master disc or blank discs for quality.*

7.2 Editing Names

When you create either a new user or a partition, you need to assign a name to it. The example shown here shows how to name or rename a partition, but the process for naming or renaming a user is identical.

After you have created the partition, you will see the *Edit Partition Name* menu:

```
Edit Partition Name
[      ] OK?
```

To enter the name, use the ▲ **Up** or ▼ **Down** buttons to select the character and use the ► **Enter** or ◀ **ESC** buttons to move the cursor position. Once you've finished, move the cursor to "OK" and press the ► **Enter** button.

The name for a partition can be up to eight characters long, and the characters can be any alpha (A...Z) or numeric (0...9) value. For example, if you want to name the partition for your master disc as "FUN". Then follow this example:

- Press the ▼ **Down** button repeatedly until "F" is displayed. (You can also hold the ▼ **Down** button down, and the duplicator will scroll through the alphabet.)
- Press the ► **Enter** button once to move the cursor to the next position.
- Press the ▼ **Down** button repeatedly until "U" is displayed.
- Press the ► **Enter** button once to move the cursor to the next position.
- Press the ▼ **Down** button repeatedly until "N" is displayed.
- Press the ► **Enter** button once to move the cursor to the next position.
- Once you have the name "FUN" displayed and then, press the ► **Enter** button repeatedly until the cursor is moved to "OK".
- Then press the ► **Enter** button once to submit your name selection.

You will now see the following confirmation screen:

```
Loading Partition?
[IFUN ] OK?
```

Press the ► **Enter** button to confirm.

Chapter 2: Operation

This chapter shows each of the menu options and how they are used.

1. Copy



The *Copy* menu option or the front panel *Copy* quick key have two different modes of operation:

- **Disc to Disc Copy:** This option copies the data directly from the master.
- **HDD to Disc Copy:** This option copies the master disc to the Hard Disk Drive (HDD) and then makes the copies from the HDD image.

The mode of operation depends on the Master Reading Source that is selected. If the Master Reading Source is set to either Reader Port 1 or Writer Port 2, the duplicator will default to Disc to Disc Copy mode. If the Master Reading Source is set to HDD Port 0, the duplicator will default to HDD to Disc Copy mode.

1.1 Making Copies

This process will copy your master disc on to several blank discs simultaneously. Because of the simultaneous nature of this operation, a good condition master disc and lower recording speed are necessary for high success rates and good quality duplications.

- **Load and Copy:** This option copies the master disc to the HDD and then makes the copies from the HDD image.
- **On the Fly:** This option copies the contents of the master disc directly onto the blank discs.

Turn on your duplicator and wait until it has booted up. You should see the following signifying your duplicator is ready:

```
Copy Master II   5.42
1. Copy
```

Make sure the Master Reading Source is set to **READER**. Make sure that your current Master Reading Source is the top tray in order to avoid unnecessary error messages.

To check the Master Reading Source, use the **▲ Up** or **▼ Down** buttons to navigate to the *8. Select Source* screen.

```
Copy Master II  5.42
8. Select Source
```

Press the ► **Enter** button to enter the Select Source Menu and you will see a screen similar to one of the following:

```
Reader Port  1
DVD-VPD-MP1
Writer Port  2
_NEC DVD_RW ND-3540
```

The Reader Port can be indexed as either Port 1 or 2. Either of these options is acceptable.

Make sure the Master Reading Source is set to the “Reader Port.” If not, press the ▲ **Up** or ▼ **Down** buttons to find it. If your duplicator is not equipped with a Reader port, then choose the device with the Writer Port number as your Master Reading Source. Press the ► **Enter** button to submit your selection.

Go back to the *1. Copy* Menu. Use the ▲ **Up** or ▼ **Down** buttons to navigate to the following screen:

```
Copy Master II  5.42
1. Copy
```

Start the Copy Process. Insert your master disc and your blank discs into the corresponding tray(s) and press the ► **Enter** button to enter the *1. Copy* menu. You will see the *Duplication Mode* menu:

```
Duplication Modes:
Load and Copy
```

You will be given two choices:

- Load and Copy
- On the Fly

For information on these modes, see “Introduction to Duplication Modes” on page 14.

Once you have decided which mode you would like to run, press the ▲ **Up** or ▼ **Down** buttons until the desired mode is displayed, and then press the ► **Enter** button to confirm. You will see the *Counter Selection* Menu:

Copy

```
Counter:  
No Counter
```

Follow the instructions shown in “Setting Counters” on page 17 to continue. Once the counters have been set, press the ► **Enter** button to confirm. You will see the Waiting for master screen.

```
Preparing...  
Waiting for Master
```

The duplicator requests the master disc first. Once it has read the master, it requests the blank discs.

```
Preparing...  
Waiting for Blanks
```

Allow 5-10 seconds for the duplicator to detect your blank discs. After the discs have been recognized, you will see a screen similar to this:

```
Preparing...  
7 Disc Detected, Go?
```

The “7” indicates that the duplicator recognized seven discs in the writer tray. The actual quantity may be different on your machine.

***Note:** By default, the “Auto Start” setting is set to “Auto.” For example, if your duplicator has detected three blank discs and didn't detect any additional blank discs within 30 seconds, then the duplication starts automatically.*

Once the number of blank discs you inserted matches the number of discs detected on the screen, press the ► **Enter** button to confirm (if you are not using Auto Start or wish to speed up the process). The Processing screen will appear.

```
Processing...  
Please Wait
```

***Note:** If the number of blank discs you inserted doesn't match the number of discs detected on the screen, wait 10-15 seconds for the duplicator to recognize all of your blank discs.*

After two or three seconds of processing time, one of the following *Copy Progress* screens will appear.

Counter Specified

Copying . . . 4012MB 0/21 12%
<ul style="list-style-type: none"> ■ “4012MB” indicates the capacity of the master disc. ■ “12%” indicates the current progress of the duplication. ■ “0/21” indicates you have a project size of 21 copies and you have made 0 copies so far.

No Counter Specified

Copying . . . 4012MB 0 12%	or:	Copying . . . 4012MB 0 12%
<ul style="list-style-type: none"> ■ “4012MB” indicates the capacity of the master disc. ■ “12%” indicates the current progress of the duplication. ■ “0” indicates that you have made 0 copies so far. 		<ul style="list-style-type: none"> ■ “4012MB” indicates the capacity of the master disc. ■ “12%” indicates the current progress of the duplication. ■ “0” indicates that you have made 0 copies so far.

***Note:** It is normal to see the progress indicator stay at 10% and 100% for approximately 30 seconds for CD duplication and up to one minute for DVD duplication. That is caused by the initializing and finalizing stages.*

Once the duplication run is completed, the successful copies will be ejected and you will see the following screen:

PASS 7 FAIL 0 (7) Waiting for Blanks	<ul style="list-style-type: none"> ■ “PASS 7” indicates that you've just made 7 successful copies. ■ “FAIL 0” indicates that you have no failures in this run. ■ (7) indicates that you have successfully copied 7 copies so far.
-------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Next, refill more blank media to continue making more copies, or press **◀ ESC** to terminate your project and go back to the Main Menu. If you've specified a counter value for your project and your project is completed, you will see the following screen:

121 Disc Copied Press OK to Finish	If you see this message, you can press the ▶ Enter button to go back to Main Menu.
---------------------------------------	-------------------------------------------------------------------------------------------

***Note:** If you enabled the counter and the number of discs you have inserted is more than the number of discs you requested, you will receive a message regarding you have inserted more discs than you need. You can continue to copy or eject the extras.*

Copy

Note: If you have any failed discs (bad copy), the failed disc(s) will not be ejected automatically. You need to manually eject them and throw them away if they are write once recordable disc(s).

1.2 Making Hard Drive (HDD)-to-Disc Copies

Copying from the Hard Drive is the best way to make copies. There are four benefits to copying from the Hard Drive:

- **Performance:** Duplicating from the Hard Drive will boost the DVD duplication speed to 8x or above.
- **Stability:** Duplicating from Hard Drive will stabilize the duplication process compared to the Disc to Disc duplicating.
- **Durability:** The Hard Drive is a much better storage device than DVD recordable discs. DVD recordable discs are composed of chemical materials that tend to degrade over a period of time while Hard Drives are made of magnetic disks that will last over 100 years. DVD recordable discs are often exposed and can very easily pick up dirt, fingerprints and scratches, while Hard Drives are covered with metal and mounted inside the duplicator.
- **Convenience:** With your master discs stored inside the Hard Drive, you can have access to each one easily. There is no need to carry your master discs; they are all stored inside the duplicator.

This section shows you how to load your master disc on to the Hard Drive as a disc image and copy the stored disc image on to several blank discs. This process is recommended for mass volume productions.

Making copies of discs from the Hard Disk Drive requires that a copy of the master is loaded into a partition on the Hard Disk Drive. For information on loading the master into a partition, see “Load Partition” on page 39.

The partition must also be large enough to hold your master disc. See “Partition Size” on page 43.

Turn on your duplicator and wait until it has booted up. You should see the following signifying your duplicator is ready:

```
Copy Master II   5.42
1. Copy
```

Make sure the Master Reading Source is set to *Hard Disk Drive*. To check the Master Reading Source, use the ▲ **Up** or ▼ **Down** buttons to navigate to the 8. *Select Source* screen.

```
Copy Master II  5.42
8. Select Source
```

Press the ► **Enter** button to enter the *Select Source* Menu and you will see a screen similar to the following:

```
Hard Drive Port 0
SAMSUNG AP1604N
```

The Hard Drive Port is always indexed as Port 0.

Make sure the Master Reading Source is set to the Hard Drive Port. If not, press the ▲ **Up** or ▼ **Down** buttons to find it. Press the ► **Enter** button to submit your selection.

After the Master Reading Source has been selected, the duplicator will return you to the main menu. Use the ▲ **Up** or ▼ **Down** buttons to navigate to the *Copy* menu:

```
Copy Master II  5.42
1. Copy
```

Press the ► **Enter** button to enter the *1. Copy* menu. The duplicator will ask you to select the partition where the master disc is stored:

```
Choose Partition
3-> IFUN   ICD
```

Use the ▲ **Up** or ▼ **Down** buttons to find the partition where your master disc is stored. Press the ► **Enter** button to select that Partition. Next, you will see the *Counter Selection* menu:

```
Counter:
No Counter
```

Follow the instructions shown in “Setting Counters” on page 17 to continue. Once the counters have been set, press the ► **Enter** button to confirm. You will see the *Waiting for Blanks* screen.

```
Preparing...
Waiting for Blanks
```

Allow 5-10 seconds for the duplicator to detect your blank discs. After the discs have been recognized, you will see a screen similar to this:

Copy

```
Preparing...  
7 Disc Detected, Go?
```

The “7” indicates that the duplicator recognized seven discs in the writer trays. The actual quantity may be different on your machine.

***Note:** By default, the “Auto Start” setting is set to “Auto”. For example, if your duplicator has detected three blank discs and didn't detect any additional blank discs within 30 seconds, then the duplication starts automatically.*

Once the number of blank discs you inserted matches the number of discs detected on the screen, press the ► **Enter** button to confirm (if you are not using Auto Start or wish to speed up the process). The *Processing* screen will appear.

```
Processing...  
Please Wait
```

***Note:** If the number of blank discs you inserted doesn't match the number of discs detected on the screen, wait 10-15 seconds for the duplicator to recognize all of your blank discs.*

After two or three seconds of processing time, one of the following *Copy Progress* screens will appear.

Counter Specified

```
Copying . . . 4012MB  
0/21          12%
```

- “4012MB” indicates the capacity of the master disc.
- “12%” indicates the current progress of the duplication.
- “0/21” indicates you have a project size of 21 copies and you have made 0 copies so far.

No Counter Specified

```
Copying . . . 4012MB  
0           12%
```

or:

- “4012MB” indicates the capacity of the master disc.
- “12%” indicates the current progress of the duplication.
- “0” indicates that you have made 0 copies so far.

***Note:** It is normal to see the progress indicator stay at 10% and 100% for approximately 30 seconds for CD duplication and up to one minute for DVD duplication. That is caused by the initializing and finalizing stages.*

Once the duplication run is completed, the successful copies will be ejected and you will see the following screen:

```
PASS 7 FAIL 0( 7)
Waiting for Blanks
```

- "PASS 7" indicates that you've just made 7 successful copies.
- "FAIL 0" indicates that you have no failures in this run.
- (7) indicates that you have successfully copied 7 copies so far.

Next, refill more blank media to continue making more copies, or you can press ◀ **ESC** to terminate your project and go back to the Main Menu. If you've specified a counter value for your project and your project is completed, you will see the following screen:

```
121 Disc Copied
Press OK to Finish
```

If you see this message, you can press the ▶ **Enter** button to go back to Main Menu.

Note: If you enabled the counter and the number of discs you have inserted is more than the number of discs you requested, you will receive a message regarding you have inserted more discs than you need. You can continue to copy or eject the extras.

Note: If you have any failed discs (bad copy), the failed disc(s) will not be ejected automatically. You need to manually eject them and throw them away if they are write once recordable disc(s).

2. Test



Use the *Test* menu or the *Test* quick key to simulate the copy process. With simulation, write once recordable discs such as DVD-R, or CDR will be reusable. The purpose of simulation is to ensure error free duplication.

***Note:** Due to physical limitations of the DVD+R recordable format, if you try to simulate DVD+R copying, you will encounter failure messages.*

***Warning:** If you are using CD/DVD ReWritable discs as your blank media during the simulation, the content on those discs will be permanently erased.*

Operation in Test mode is identical to operation in Copy mode. See “Copy” on page 21 for instructions.

3. Compare

Use the *Compare* function to perform a bit-by-bit comparison between the Master Reading Source and all of the disc copies in the Writer Trays. This ensures that all of your copies are identical to the Master Reading Source.

***Note:** The Compare and Copy+Compare functions only work with data discs, and do not work with audio/video discs.*

Before starting the Compare function, select the Master Reading Source using the ▲ **Up** or ▼ **Down** buttons to find the 8. *Select Source* menu. Press the ► **Enter** button to enter the menu.

```
Copy Master II   5.42
8. Select Source
```

Press the ► **Enter** button to enter the Select Source Menu and you will see a screen similar to the following:

```
Reader Port  1
DVD-VPD-MP1
```

Set the Master Reading Source to the appropriate source. Press the ► **Enter** button to enter the selection. The duplicator will flash a confirmation screen and return you to the main menu.

Go back to the 2. *Compare* Menu. Press the ► **Enter** button to enter the menu. You will see the *Counter Selection* Menu:

```
Counter:
No Counter
```

Follow the instructions shown in “Setting Counters” on page 17 to continue. Once the counters have been set, press the **▶ Enter** button to confirm. You will see the *Waiting for Master* screen.

```
Preparing...
Waiting for Master
```

The duplicator requests the master disc first. Once it has read the master, it requests the blank discs.

```
Preparing...
Waiting for Blanks
```

Insert the discs that you want to verify. Allow 5-10 seconds for the duplicator to detect your discs. After the discs have been recognized, you will see a screen similar to this:

```
Preparing...
7 Disc Detected, Go?
```

The “7” indicates that the duplicator recognized seven discs in the writer tray. The actual quantity may be different on your machine. Press the **▶ Enter** button to confirm.

The Duplicator will then compare the discs in the writer tray to the Master Reading Source. When the comparison is complete, the duplicator will eject the good discs and you will see a PASS/FAIL screen similar to this:

```
PASS 7 FAIL 0 ( 14)
Waiting for Blanks
```

The “PASS 7” indicates that the duplicator verified the seven discs in the writer trays. The “FAIL 0” indicates that none of the discs failed testing. The (14) indicates the total number of discs that have passed.

Load more discs to continue the test, or press the press **◀ ESC** button to terminate the test.

4. Test+Copy

With the *Test + Copy* menu option, the Copy Master II simulates the copying process, and then makes copies if everything works correctly. If an error is encountered during the simulation, the Copy Master II displays an error message, and the copy process is not initiated.

Operation in *Test+Copy* mode is identical to operation in *Copy* mode. See “Copy” on page 21 for instructions.

5. Copy+Compare

The *Copy + Compare* menu option is used to make verified copies. After the copy process is done, the Copy Master II automatically compares the copies to the Master Reading Source to ensure that they are identical. When the operation is complete, the Copy Master II automatically ejects the good discs only. You must manually eject the bad discs and discard or erase them as needed.

Note: The Compare and Copy+Compare functions only work with data discs, and do not work with audio/video discs.

Operation in *Copy+Compare* mode is identical to operation in *Copy* mode. See “Copy” on page 21 for instructions.

6. Verify

The *Verify* menu option performs a Disc Readability Check. This checks the readability of both your master and copies (not blank discs) to ensure that they are all readable.

First, ensure that the Master Reading Source is set to the appropriate source (see “Select Source” on page 35).

Use the UP or DOWN arrow buttons to navigate back to the 6. *Verify* Menu:

```
Copy Master II  5.42
6. Verify
```

Press the ► **Enter** button to enter the Verify option.

```
Counter:
No Counter
```

Follow the instructions shown in “Setting Counters” on page 17 to continue. Once the counters have been set, press the ► **Enter** button to confirm.

At this point, the next screen that you will see depends on the Master Reading Source that you have selected. If you selected either the Reader port or the Writer port, the Copy Master II will ask to see the master disc for verification:

```
Preparing...
Waiting for Master
```

The duplicator requests the master disc first. Once it has read the master, it requests the blank discs.

If you selected the Hard Disk Drive as the Master Reading Source, the Copy Master II will proceed directly to the *Waiting for Blanks* screen:

```
Preparing...
Waiting for Blanks
```

Allow 5-10 seconds for the duplicator to detect your blank discs. After the discs have been recognized, you will see a screen similar to this:

```
Preparing...
7 Disc Detected, Go?
```

The “7” indicates that the duplicator recognized seven discs in the writer tray. The actual quantity may be different on your machine. Once the discs are detected, the Copy Master II starts the verification process.

```
Verifying          21 MB
                   0      38%
```

The “21 MB” indicates the size of the master. The “0” indicates that zero discs have passed verification so far (not surprising since this is the first). The “38%” indicates that it is 38% through the verification process.

```
PASS 1 FAIL 0 ( 1)
Waiting for Blanks
```

When the verification process is complete, it indicates whether the disc(s) passed or failed, and the total number of good discs tested so far.

7. Select Burn Speed



The 7. *Select Burn Speed* menu option or the *Speed* quick key are used to adjust the duplication speed for the various duplication modes. By default, the duplication speed will be set to the optimal speed. However, under some circumstances you might want to lower down the duplication speed. Those circumstances are:

- Poor Blank Media Quality - When your media quality is poor, lowering the duplication speed is necessary to make good copies.
- Poor Master Disc Quality - If your master disc condition is poor, lowering the duplication speed will reduce the failure rates greatly.
- Duplication Quality - Overall, the lower the speed, the higher the quality of your duplicates. If you have time, it is a good choice to lower the speed to produce the best quality duplicates.

Press the UP or DOWN arrow buttons to navigate to the 7. *Select Burn Speed* screen:

```
Copy Master II  5.42
7. Select Burn Speed
```

Press the ► **Enter** button set the Burn Speed. You will see the Select Burn Speed type menu:

```
Select Burn Speed
CD to CD Speed
```

There are four types of recording speeds that can be set:

- CD to CD Speed: Copy CD Disc to CD Discs speed (On-the-fly).
- HDD to CD: Copy Hard Drive CD Image to CD Discs speed.
- DVD to DVD: Copy DVD Disc to DVD Discs directly¹ (On-the-fly).
- HDD to DVD: Copy Hard Drive DVD Image to DVD±R Discs.

Depending upon the type of duplication and your duplicator restrictions, you need to select the correct type in order to take effect. To select the recording speed types, use the ▲ **Up** or ▼ **Down** buttons to find the desired speed. Press the ► **Enter** button to enter the menu.

1. To ensure the duplication quality, for certain models of the Copy Master II you are not allowed to adjust the duplication speed for DVD to DVD to greater than 6X duplication speed. To achieve maximum duplication speed, you need to perform duplications from the Hard Drive. For detailed instructions, refer to “Making Hard Drive (HDD)-to-Disc Copies” on page 25.

Once you have submitted the duplication speed type, you will see a menu similar to this:

```
HDD to CD Speed
32X
```

Use the ▲ **Up** or ▼ **Down** buttons to find the desired speed. Press the ► **Enter** button to enter the menu.

The options that are available are shown in Table 2-1.

Table 2-1 Duplication Speeds

Duplication Type	Speeds Available
CD to CD Speed	1x, 2x, 4x, 8x, 12x, 16x, 24x, 32x, 40x, 48x, 52x
HDD to CD Speed	1x, 2x, 4x, 8x, 12x, 16x, 24x, 32x, 40x, 48x, 52x
DVD to DVD Speed	1x, 2x, 2.4x, 4x, 6x, 8x, 12x, 16x
CD to CD Speed	1x, 2x, 2.4x, 4x, 6x, 8x, 12x, 16x

These options might change depending on the CD or DVD writers installed in your machine.

Note: The speed that you choose may be adjusted by the drives and/or the media for optimized duplication.

Once your selection has been changed successfully, you see the following screen for 2 seconds:

```
HDD to CD Speed
Adjusted to: 8X
```

You will automatically be returned to the Main Menu.

8. Select Source



The *Select Source* menu or the *Source* quick key are used to set the Master Reading Source. The Master Reading Source has three possible options.

- Disc-to-Disc Copying (read from the Reader tray) - This is how you would normally make copies on the fly. You need to set the “Reader” as your Master Reading Source.
- Disc-to-Disc Copying (read from the Writer tray) - This is how you would make copies when your master disc is full of scratches. You need to use the Writer Tray as your Master Reading Source to make a copy, and then use the new copy as your new Master to make more copies.
- Hard Drive-to-Disc Copying (assuming that a hard drive is installed) To make copies from your Hard Drive Image, you need to select the source as “Hard Drive.”

There are four benefits to copying from the hard drive:

- Performance - Duplicating from the hard drive will be able to boost the DVD duplication speeds to 8x or above.
- Stability - Duplicating from the hard drive will stabilize the duplication process as compared to Disc-to-Disc duplication.
- Durability - The Hard Disk Drive is a much better storage device than DVD recordable discs. First of all, DVD recordable discs are composed of chemical materials that tend to degrade over a period of time, while hard drives are made of magnetic disks that will last over 100 years. Secondly, a DVD recordable disc is exposed and can very easily be scratched on its surface, while a hard drive is covered with metal and mounted inside the duplicator.
- Convenience - With your master discs stored inside the hard drive, you can have access to each one easily. There is no need to carry your master discs; they are all stored inside the duplicator.

When you turn-on your duplicator, after it has booted up, you should see the following signifying your duplicator is ready:

```
Copy Master II  5.42
1. Copy
```

Use the ▲ **Up** or ▼ **Down** buttons to navigate to the 8. *Select Source* screen.

```
Copy Master II  5.42
8. Select Source
```

Press the ► **Enter** button to enter the Select Source Menu and you will see a screen similar to the following:

```
Reader Port 1
DVD-VFD-MP1
```

The Copy Master II typically comes equipped with three ports:

- Hard Drive Port 0: This is the Hard Disk Drive installed in the Copy Master II.
- Reader Port 1: This is a CD/DVD Reader only. It is typically the top-most drive in the system.
- Writer Port 2: This is one of the CD/DVD Read/Write drives. It is typically the drive immediately below the CD/DVD reader.

Some Copy Master II duplicators are not equipped with a Hard Disk Drive. If your duplicator is not equipped with a HDD, then choose the device with the Reader Port number or the Writer Port number as your Master Reading Source.

Some Copy Master II duplicators are not equipped with a CD/DVD Reader. If your duplicator is not equipped with a Reader, then choose the device with the Writer Port number as your Master Reading Source. Press the ► **Enter** button to submit your selection.

```
Reader Port 1
Selected
```

The Copy Master II duplicator will show a confirmation screen for two seconds and return you to the main menu.

9. Erase

Use the *9. Erase* menu to erase your ReWritable discs.

```
Copy Master II  5.42
9. Erase
```

Use the ▲ **Up** or ▼ **Down** buttons to navigate to the *9. Erase* screen.

```
Erase
Quick Erase
```

There are two options:

- **Quick Erase:** This option erases the index of the ReWritable disc, not the data section.
- **Full Erase:** This option erases the entire disc, destroying all previously written data in the process.

Use the ▲ **Up** or ▼ **Down** buttons to select between the two options and press the ► **Enter** button to continue.

```
Counter:
No Counter
```

Follow the instructions shown in “Setting Counters” on page 17 to continue. Once the counters have been set, press the ► **Enter** button to confirm.

```
Preparing...
Waiting for Blanks
```

Allow 5-10 seconds for the duplicator to detect your blank discs. After the discs have been recognized, you will see a screen similar to this:

```
Preparing...
7 Disc Detected, Go?
```

The “7” indicates that the duplicator recognized seven discs in the writer tray. The actual quantity may be different on your machine. Once the discs are detected, the Copy Master II starts the erase process.

```
Full Erasing
  0
```

The “0” indicates that zero discs have been erased so far. Once the discs have been erased, you see the PASS/FAIL screen:

```
PASS 7 FAIL 0 ( 14)
Waiting for Blanks
```

The “PASS 7” indicates that the duplicator erased the seven discs in the writer trays. The “FAIL 0” indicates that none of the discs failed erasing. The “(14)” indicates the total number of discs that have been erased so far.

Load more discs to continue erasing, or press the press ◀ **ESC** button to return to the main menu.

10. Hard Drive Setup

The Hard Drive Setup menu consists of eight sub-menus:

1. Select Partition
2. Load Partition
3. Rename Partition
4. Delete Partition
5. Partition Info
6. Partition Size
7. Select Loading Drive
8. Format Hard Drive

Each of these menus is discussed in its own subsection.

```
Copy Master II 5.42
10. Hard Drive Setup
```

Press the ▶ **Enter** button to enter the *Hard Drive Setup* menu. Use the ▲ **Up** or ▼ **Down** buttons to select between the ten options

Hard Drive Setup

10.1 Select Partition

The *Select Partition* submenu is used to select the partition on the Hard Disk Drive that will be used as the Master Reading Source.

```
Hard Drive Setup
1. Select Partition
```

Press the ► **Enter** button to enter the *Select Partition* menu.

```
Choose Partition
1-> [RESERVED]CD
```

Use the ▲ **Up** or ▼ **Down** buttons to select the desired partition. The **RESERVED** partition is reserved for use by the Duplicator when making Disc-to-Disc copies.

```
Choose Partition
2-> [FUN] CD
```

Press the ► **Enter** button to select the partition named **FUN**.

10.2 Load Partition

The Load Partition menu is used to load a master disc into a partition on the Hard Disk Drive. For information on partition size, see “Partition Size” on page 43.

```
Hard Drive Setup
2. Load Partition
```

Press the ► **Enter** button to enter the *Load Partition* menu.

```
Load Partition [2/16]
Load ->New Partition
```

Use the ▲ **Up** or ▼ **Down** buttons to select one of the existing partitions, press the ► **Enter** button to select it.

If you would like to load the master disc into a new partition, press the ► **Enter** button when the *New Partition* option is shown.

```
Choose Partition
2-> [FUN] CD
```

Press the ► **Enter** button to select the partition named **FUN**.

Depending on whether you are loading the master into a new partition, or into an existing partition, you will see one of these two screens:

New Partition

<pre>Edit Partition Name [] OK?</pre>
<p>Enter a new partition name as described in "Editing Names" on page 19.</p>

Existing Partition

<pre>This will Overwrite IFUN], OK?</pre>
<p>Press the ► Enter button to overwrite the partition named FUN. Before continuing, the Copy Master II will give you the option of changing the partition name:</p>
<pre>Edit Partition Name IFUN] OK?</pre>
<p>Enter a new partition name as described in "Editing Names" on page 19.</p>

or:

<pre>Load Partition OK? IFUN], OK?</pre>

The duplicator will display a verification message before continuing. Press the ► **Enter** button to load the partition named FUN.

<pre>Load Partition Waiting for Master</pre>

The duplicator then waits for you to insert the master disc before proceeding.

<pre>Loading FUN 50% 300 MB Loaded</pre>

The duplicator displays a status message while the partition is loaded. Once the loading is complete, it displays the OK! message:

<pre>Load Partition OK! Press OK to Finish</pre>

Press the ► **Enter** button to return to the main menu.

10.3 Rename Partition

When you load your master disc onto a hard drive partition, you are asked to give it a name. However, you can rename it at anytime afterwards. Instructions for this are shown in “Editing Names” on page 19.

10.4 Delete Partition

The *Delete Partition* option deletes an existing partition. Use the ▲ **Up** or ▼ **Down** buttons to find the 3.*Delete Partition* menu. Press the ► **Enter** button to enter the menu.

```
Hard Drive Setup
3. Delete Partition
```

Press the ► **Enter** button to enter the *Delete Partition* menu. The duplicator will first ask you to choose the partition to be deleted:

```
Choose Partition
2-> [FUN    ] CD
```

Use the ▲ **Up** or ▼ **Down** buttons to find the partition that you want to delete. Press the ► **Enter** button to select the partition.

```
Delete Partition
[ FUN    ] CD, OK?
```

The duplicator displays the *Delete Partition* confirmation message. Press the ► **Enter** button to continue.

```
Partition FUN
Deleted
```

The duplicator displays the *Deleted* message for two seconds and then returns you to the main menu.

10.5 Partition Info

The *Partition Info* option provides information about an existing partition. Use the ▲ **Up** or ▼ **Down** buttons to find the 5. *Partition Info* menu. Press the ► **Enter** button to enter the menu.

```
Hard Drive Setup
5. Partition Info
```

Press the ► **Enter** button to enter the *Partition Info* menu, and use the ▲ **Up** or ▼ **Down** buttons to find the partition that you want information about.

```
( 2) From: ADMIN
(FUN      )CD 21MB
```

- The “(2)” field indicates that it is the second partition on the drive.
- The “From:” field indicates the user that created the partition (See “Introduction to Account Management” on page 13.)
- The “(FUN)” field shows the name of the partition.
- The “CD” field indicates that the master stored in this partition is a CD rather than a DVD.
- The “21MB” field indicates that the master stored in this partition uses 21 MBytes of the total storage area.

Press the ► **Enter** button to return to the main menu.

10.6 Partition Size

The *Partition Size* option allows you to change the size of the Hard Disk Drive partitions.

Warning: *When you alter the partition size, all previous data or video stored on the hard drive will be lost, and you will only be able to load media with less than the specified partition size capacity.*

To change the hard drive partition size, use the ▲ **Up** or ▼ **Down** buttons to navigate to the 6. *Partition Size* menu:

```
Hard Drive Setup
6. Partition Size
```

Press the ► **Enter** button to enter the *Partition Size* menu.

```
Hard Drive Setup
AUTO
```

Press the ▲ **Up** or ▼ **Down** buttons to select the desired partition size. Press the ► **Enter** button to select the *Partition Size*.

If your duplicator has a Hard Drive installed, that Hard Drive is divided into a number of equal-sized partitions. Each partition holds ONE and ONLY ONE master disc regardless of the size of your master disc.

The options for partition size are:

- Auto
- CD: 1 GB
- DVD: 5 GB
- DVD Dual: 9 GB

The number of partitions is determined by dividing your Hard Drive's total capacity by the selected media size: 1 GB for CD format, 5 GB for DVD5 format, or 9 GB for DVD9 format (double layer/dual layer), and then subtracting one partition for system use. For example, if you have a 160 GB Hard Drive, you can calculate the number of DVD5 format partitions by: $160 / 5 = 32$. Since one partition is reserved for system use, you will have 31 partitions available for use.

Or you can calculate the number of DVD9 format partitions using the formula: $160 / 9 = 17.77$. Since you cannot use an incomplete partition, there will be a total of 17 partitions available for a 160 GB Hard Drive. Since one partition is reserved for system use; there will be 16 partitions available for use.

The *Auto* option sets the partition to the largest size that the installed CD/DVD readers and writers can accommodate.

If you have a 16x speed or higher duplicator with double layer/dual layer DVD9 capabilities, the hard drive partitions are set at a default size of 9 GB each to accommodate the expanded size of the DVD9 format. If you require more partitions and do not plan on copying double layer/dual layer DVD9 media, you can change the hard drive partition size to CD (1 GB) or DVD (5 GB).

10.7 Select Loading Drive

The *Select Loading Drive* menu option selects whether the Reader (Port 1) drive or the Writer (Port 2) drive will be used when loading a Hard Disk Drive partition. To select the loading drive, use the ▲ **Up** or ▼ **Down** buttons to navigate to the 7. *Select Loading Drive* menu:

```
Hard Drive Setup
7. Select Loading Dr
```

Press the ► **Enter** button to enter the *Select Loading Drive* menu.

```
Select Loading Drive
Reader Port 1
```

Press the ▲ **Up** or ▼ **Down** buttons to highlight the desired drive. Press the ► **Enter** button to select the drive. The duplicator will return you to the main menu.

10.8 Format Hard Drive

The *Format Hard Drive* formats the Hard Disk Drive. It deletes all disc images and re-initiates the drive. To format the Hard Disk Drive, use the ▲ **Up** or ▼ **Down** buttons to navigate to the 8. *Format Hard Drive* menu:

```
Hard Drive Setup
8. Format Hard Drive
```

Press the ► **Enter** button to enter the *Format Hard Drive* menu.

```
Format Hard Drive
Press OK to Continue
```

Press the ► **Enter** button to initiate the drive. After the drive has been formatted, the duplicator will return you to the main menu.

11. Edit Audio Tracks

The *Edit Audio Tracks* menu option allows you combine audio tracks from various CDs into a single customized audio CD.

In order for the duplicator to do this, you need a temporary storage location to hold your songs. These are the possibilities:

- **Hard Drive** (provided a hard drive is installed)
By choosing “Hard Drive” as the temporary storage location, you can load all of your favorite songs on to the hard drive. After you have loaded all of your songs, the duplicator will copy them onto a blank 80 minute CD-R media.
- **Blank CD-R Media**
By choosing “Blank CD-R” as the temporary storage location, you will copy all of your favorite songs directly on to the blank CD-R disc. After you have finished, the duplicator will finalize the CD-R disc.

Use the **▲ Up** or **▼ Down** buttons to navigate to the *11. Edit Audio Tracks* menu:

```
Copy Master II   5.42
11. Edit Audio Tracks
```

Press the **▶ Enter** button to enter the *Edit Audio Tracks* menu.

```
Edit Track To:
Blank CD
```

The first menu that will be shown is the *Edit Track To:* menu. The options are Blank CD or Hard Drive. Use the **▲ Up** or **▼ Down** buttons to select the desired option and press the **▶ Enter** button to select that option.

```
Preparing:
Waiting for a Blank
```

The duplicator asks you to insert a blank CD where the music can be copied. Insert a blank CD into the Writer drive and wait for the duplicator to recognize it.

```
Preparing:
Waiting for Master
```

The duplicator then asks you to insert the first “master” disc. Insert the music disc into the Reader drive and wait for the duplicator to recognize it. The duplicator will show the *Total* screen:

```
Total: 0 Trk   0m:00s
Track 1:   4m:49s
```

The information shown on the *Total* screen is:

- “Total: 0” The number of music tracks selected so far.
- “Trk: 0m:00s:” The total time of the tracks selected so far.
- “Track 1:” The track number on the master CD.
- “4m: 49s” The time of the track number on the master CD.

Press the **▲ Up** or **▼ Down** buttons to display the information for each track on this audio CD and press the **▶ Enter** button select the track to be copied. When a track is selected, you will see an asterisk (*) to the left of the track number on the second line. The number of total tracks will be incremented, and the play time of the selected track will be added to the total time:

```
Total: 1 Trk   4m:49s
* Track 1:   4m:49s
```

When you have finished selecting the tracks you want to copy, you can press the **▲ Up** or **▼ Down** buttons until you see *Are You Done?* on the second line (this will appear immediately after the last track on the disc):

```
Total: 5 Trk  14m:49s
Are you Done?
```

Press the **▶ Enter** button to indicate that this is the last song that you want to copy from this Music CD. This tells the duplicator to start copying songs.

```
Audio Editing      1
                   4m:49s  37MB
```

The duplicator reads the selected tracks from the master music disc and writes them to the Hard Disk Drive or the blank CD (which ever is selected).

At this point, you have a choice to finalize the disc (mark the completion) or insert another audio CD for more songs. If you choose to insert another audio CD for more songs, press the **▲ Up** or **▼ Down** buttons until you see the *Insert Next Master* screen:

Edit Audio Tracks

```
Total: 2 Trk 9m:16s  
Insert Next Master?
```

Press the ► **Enter** button to proceed. The duplicator will eject the current music and wait for you to insert another master into the reader tray.

Follow the same steps to mark and load songs from the next CD. Continue adding songs until the compilation is complete. If the total of the audio tracks is more than the capacity of a blank music CD, you will see the scrolling message **OVER BLANK DISC CAPACITY**:

```
OVER BLANK DISC CAPAC  
Press OK to continue
```

The last song you selected will not be entered into the compilation unless you delete another song to make room for it. Press the ► **Enter** button to proceed.

Press the ▲ **Up** or ▼ **Down** buttons until you see *Are You Done?* on the second line, and press the ► **Enter** button to proceed.

When the compilation is complete, you must finalize the disc so that music CD players will recognize it. When you see the *Finish Editing* screen:

```
Total: 17 Trk 72m:52s  
Finish Editing?
```

Press the ► **Enter** button to proceed. The duplicator will display a confirmation message:

```
Total: 17 Trk 72m:52s  
Confirm to Finalize?
```

Press the ► **Enter** button to proceed. The duplicator will finalize the disc and write it out to the disc in the Writing drive.

```
Processing to Disc..  
100%
```

When the duplicator is through writing the compilation out to the disc, it will display the Job Completed screen:

```
Job Completed!  
Press OK to Finish
```

Press the ► **Enter** button to proceed. The Duplicator will eject the master and compilation discs and return you to the main menu

12. Setup

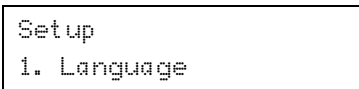
The Setup menu consists of 12 sub-menus:

1. Language
2. Auto Start
3. Read Error Skip
4. CD Writing Mode
5. Max Audio & VCD Speed
6. Buzzer
7. Startup Menu
8. Screen Saver
9. Duplication mode
10. Counter
11. AUTOCOPY
12. DVD Compatibility Mode

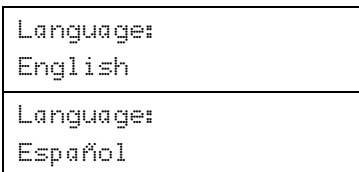
Each of these options is discussed in its own subsection.

12.1 Language

This setting allows you to choose the language that you prefer to use when navigating the duplicator. The standard duplicator supports English, Spanish, French, and Japanese menus.



Use the ▲ **Up** or ▼ **Down** buttons to select the *Language* menu and press the ► **Enter** button to enter that menu.



Use the ▲ **Up** or ▼ **Down** buttons to select the between the languages and press the ► **Enter** button to select that option.

Setup

12.2 Auto Start

This setting allows you to choose Auto, Full, or Off.

- **Full:** The duplicator automatically starts the copy process as soon as it detects that the master disc and any or all of the writer trays of the duplicator are filled with recordable media.
- **Off:** The duplicator requires you to press the ► **Enter** button to start the duplication.
- **Auto:** When your duplicator detects three blank discs on a four target or higher duplicator (for example), and does not detect any additional blank discs for 30 seconds, then the copy process is started automatically. However, in order for this feature to take effect, you need to be inside an operation menu such as Copy, Test, Test+Copy, and Copy+Compare.

Setup 2. Auto Start

Use the ▲ **Up** or ▼ **Down** buttons to select the *Auto Start* menu and press the ► **Enter** button to enter that menu.

Auto Start: Auto
Auto Start: Full
Auto Start: Off

Use the ▲ **Up** or ▼ **Down** buttons to select the autostart option and press the ► **Enter** button to select that option.

12.3 Read Error Skip

Normally, when the duplicator encounters a read error while reading your master disc, the duplication is aborted and all the recordable media are ruined. However, if you believe that your master disc has a small, insignificant error due to physical damage, you can enable this setting to allow the duplicator to skip any read errors it encounter.

Note: This function does not fix the error; it only skips it to make the rest of the data readable.

```
Setup
3. Read Error Skip
```

Use the **▲ Up** or **▼ Down** buttons to select the *Read Error Skip* menu and press the **▶ Enter** button to enter that menu.

```
Read Error Skip
On
-----
Read Error Skip
Off
```

Use the **▲ Up** or **▼ Down** buttons to select whether *Read Error Skip* is on or off, and press the **▶ Enter** button to select that option.

12.4 CD Writing Mode

This setting allows you to select which mode to use to duplicate a CD; “Disc at Once” or “Track at Once.” Unless you understand completely what these modes are, we strongly suggest you to set it to “Disc at Once.”

```
Setup
4. CD Writing Mode
```

Use the **▲ Up** or **▼ Down** buttons to select the *CD Writing Mode* menu and press the **▶ Enter** button to enter that menu.

```
CD Writing Mode
Disc at Once
-----
CD Writing Mode
Track at Once
```

Use the **▲ Up** or **▼ Down** buttons to select either *Disc at Once* or *Track at Once*, and press the **▶ Enter** button to select that option.

Setup

12.5 Max Audio & VCD Speed

Audio CDs and Video CDs do not have internal error checking capability, so duplicating at too high a speed can cause frequent errors. This setting allows you to adjust the maximum duplication speed for Audio and Video CDs.

The options are: 1x, 2x, 4x, 8x, 12x, 16x, 24x, 32x, 40x, 48x, and 52x.

```
Setup
5. Max Audio & VCD Speed
```

Use the **▲ Up** or **▼ Down** buttons to select the *Max Audio & VCD Speed* menu and press the **▶ Enter** button to enter that menu.

```
Max Audio & VCD Speed
16x
```

Use the **▲ Up** or **▼ Down** buttons to select the *Max Audio & VCD*, and press the **▶ Enter** button to select that option.

Note: The actual speed that you see may be determined by the drives or by the duplication media.

12.6 Buzzer

This setting will allow you to choose whether you want to hear a beep when you press a button or when a task has been completed.

```
Setup
6. Buzzer
```

Use the **▲ Up** or **▼ Down** buttons to select the *Buzzer* menu and press the **▶ Enter** button to enter that menu.

```
Buzzer:
On
-----
Buzzer:
Off
```

Use the **▲ Up** or **▼ Down** buttons to select whether *Buzzer* is on or off, and press the **▶ Enter** button to select that option.

12.7 Startup Menu

This setting will allow you to choose the menu option that you will see first when you turn on the duplicator. The options are:

- Copy
- Test
- Compare
- Test+Copy
- Copy+Compare
- Verify
- Select Burn Speed
- Select Source
- Erase
- Hard Drive Setup
- Edit Audio Tracks
- Setup
- Utilities

```
Setup
7. Startup Menu
```

Use the ▲ **Up** or ▼ **Down** buttons to select the *Startup Menu* option and press the ▶ **Enter** button to enter that menu.

```
Startup Menu
Copy
```

Use the ▲ **Up** or ▼ **Down** buttons to select the desired startup menu, and press the ▶ **Enter** button to select that option.

12.8 Screen Saver

This menu allows you to choose whether you want to enable the Screen Saver feature. By enabling this feature, a screen saver will be displayed when your duplicator has been idle for a long period of time.

```
Setup
8. Screen Saver
```

Use the ▲ **Up** or ▼ **Down** buttons to select the *Screen Saver* menu and press the ▶ **Enter** button to enter that menu.

```
Screen Saver:
Off

Screen Saver:
On
```

Use the ▲ **Up** or ▼ **Down** buttons to select whether the *Screen Saver* is on or off, and press the ▶ **Enter** button to select that option.

12.9 Duplication Mode

The Copy Master II has two different copy modes:

- **Load and Copy:** This mode loads your master disc on to the Reserve partition on the Hard Disk Drive. It then makes the requested quantity of copies directly from the hard drive.
- **On the Fly:** This mode instructs the duplicator to copy directly from the master disc. The duplicator performs simultaneous read and write operations without any delays.

By default, the duplication mode is set to “Auto.” In Auto mode, the Copy Master II prompts you to choose one of the duplication modes when you enter any of the following functions:

- Copy
- Test
- Test+Copy
- Copy+Compare

For more information on these modes, see “Introduction to Duplication Modes” on page 14.

```
Setup
9. Duplication Mode
```

Use the ▲ **Up** or ▼ **Down** buttons to select the *Duplication Mode* menu and press the ► **Enter** button to enter that menu.

```
Duplication Mode:
Auto
Duplication Mode:
On the Fly
Duplication Mode:
Load and Copy
```

Use the ▲ **Up** or ▼ **Down** buttons to select the Duplication mode and press the ► **Enter** button to select that option.

12.10 Counter

This feature allows you to turn the Counter feature on or off. The Counter notifies you how many discs have been copied and how many discs are left to go. For information on setting the counter, see “Setting Counters” on page 17.

```
Setup
10. Counter
```

Use the ▲ **Up** or ▼ **Down** buttons to select the *Counter* menu and press the ► **Enter** button to enter that menu.

```
Counter:
On
```

```
Counter:
Off
```

Use the ▲ **Up** or ▼ **Down** buttons to select whether the *Counter* is on or off, and press the ► **Enter** button to select that option.

12.11 AUTOCOPY

This option turns on the hidden Autocopy menu. The Autocopy function allows you to copy from Disc to Disc automatically without pressing any keys. It is the simplest way to make CD/DVD copies. When Autocopy is turned on, it appears above option *1.Copy* and below option *15.Shutdown* in the menu structure.

```
Setup
11. AUTOCOPY
```

Use the ▲ **Up** or ▼ **Down** buttons to select the *AUTOCOPY* menu and press the ► **Enter** button to enter that menu.

```
AUTOCOPY:
On
```

```
AUTOCOPY:
Off
```

Use the ▲ **Up** or ▼ **Down** buttons to select whether the *AUTOCOPY* function is on or off, and press the ► **Enter** button to select that option.

Use the UP or DOWN arrow button to navigate to the following screen.

```
AUTOCOPY
Waiting for Master
```

Insert your master disc into the top Reader tray and your blank discs into corresponding Writer trays. Be sure to close the trays after you load the discs.

Setup

Allow 5-10 seconds for the duplicator to detect your master disc and blank discs. Once your discs have been recognized, you will see the following screen:

```
AUTOCOPY
1 Disc Detected, Go?
```

Press the ► **Enter** button to continue or wait for the duplicator to autostart.

After several seconds of processing time, the following Copy Progress Screen will appear.

```
Copying          21MB
      0          60%
```

Press the ► **Enter** button to continue or wait for the duplicator to Auto Start.

It is normal to see the progress indicator stays at 0-10% and 100% for approximately 30 seconds for CD duplication and up to one minute for DVD duplication. That is caused by the initializing and finalizing stage.

Once the duplication run is completed, the successful copies will be ejected and you shall see the following screen:

```
PASS 7 FAIL 0 ( 14)
Waiting for Blanks
```

The “PASS 7” indicates that the duplicator copied the master to the seven discs in the writer trays. The “FAIL 0” indicates that none of the discs failed to be copied. The (14) indicates the total number of discs that have been copied so far.

Refill your blank discs to continue making more copies. If you wish to copy a new master disc, you will have to remove the old master and load the new master disc prior to loading any new blank discs into the writer trays.

Note: If you have a failed disc (bad copy), the failed disc will not be ejected automatically. You need to manually eject the disc and discard it if it's a write once recordable disc.

12.12 DVD+R High Compatibility Mode

This feature allows you to turn the DVD+R High Compatibility Mode feature ON or OFF. The purpose of this feature is to increase the compatibility of DVD+R media with a broader range of DVD Video players. This process will increase the amount of time required to duplicate your disc(s).

```
Setup
12. DVD+R High Compat
```

Use the **▲ Up** or **▼ Down** buttons to select the *DVD+R High Compatibility Mode* menu and press the **▶ Enter** button to enter that menu.

```
12. DVD+R High Compat
On
12. DVD+R High Compat
Off
```

Use the **▲ Up** or **▼ Down** buttons to select whether the *DVD+R High Compatibility Mode* is on or off, and press the **▶ Enter** button to select that option.

13. Utility

The Utility menu consists of these submenus:

1. Disc Info
2. Prescan
3. System Info
4. Device Info
5. Load Default
6. Update Firmware

Each submenu has a section that describes it.

13.1 Disc Info

If you are uncertain about the type of blank recordable media you are using, the *Disc Info* function can help you to identify the type of disc and provide information about the data encoded on the disc. For blank recordable discs, it will tell you the media's format, capacity, manufacture ID, and the Media's certified writing speed.

Note: The Reader tray can not be used to detect information about blank recordable discs. This feature only works with media in the recording trays.

```
Utilities
1. Disc Info
```

Use the ▲ **Up** or ▼ **Down** buttons to select the *Disc Info* menu and press the ► **Enter** button to enter that menu. The Copy Master II will proceed to the *Please Insert Disc* menu.

```
Disc Info
Please Insert Disc
```

Place your disc(s) into the drives.

```
Disc Info
3 Disc detected, Go?
```

After a few seconds, the Copy Master II will detect the discs and ask you if (when) you want to proceed. Wait until all of your discs have been detected and press the ► **Enter** button to continue.

The information that you see will depend on whether the disc that you inserted has data written on it or if it is blank. In this example, three discs have been loaded:

- Tray 1 has a CD-ROM with data encoded onto it.
- Tray 2 has a blank 24x CD-RW media
- Tray 3 has a blank 8x DVD+R Media

The results are:

```
1. CD 21M Data
   1Session 1Trk
```

A data CD was placed in the top tray

- The “1.” indicates that the information is for the media inserted in tray 1.
- The “CD” indicates that the media inserted is a CD.
- The “21M” indicates that 21 MBytes of data is encoded on the disc.
- “1Session 1Trk” indicates that the data is all in a single session recorded as a single track.

Press the ▼ **Down** button to see the next disc.

```
2. CD-RW 702M Blank
   INFODISC 97m25s31f
```

A blank 24x CD-RW media was placed in the second tray.

- The “2.” indicates that the information is for the media inserted in tray 2.
- The “CD-RW” indicates that the media inserted is a ReWritable CD.
- The “702M” indicates that 702 MBytes of space is available on the disc.
- “Blank” indicates that the disc is blank.
- “INFODISC” is the manufacturer
- “97m25s31f” is the manufacturer ID

Press the ▼ **Down** button to see the next disc.

```
3. DVD+R 4482M Blank
8X SONY D11
```

A blank 8x DVD+R media was placed in the third tray.

- The “3.” indicates that the information is for the media inserted in tray 3.
- The “DVD+R” indicates that the media inserted is a +R type of DVD.
- The “4482M” indicates that 4482 MBytes of space is available on the disc.
- “Blank” indicates that the disc is blank.
- 8X indicates the maximum write speed.
- SONY indicates the manufacturer
- D11 is the manufacture ID

Press the ◀ **ESC** to button to stop the process and eject the discs.

13.2 Prescan

Approximately 50% of failures reported by the duplicator are caused by errors in the master disc that the Reader couldn't overcome. When this kind of failure occurs, it tends to waste all of your blank recordable media.

The “Prescan” feature is used to detect flaws in the master disc prior to performing the duplicating process. This feature scans and detects any bad sectors in the master disc. You should perform this test before starting the duplication task for all master discs. By doing so you can prevent wasting the blank media if there is an error in the master disc.

```
Utilities
2. Prescan
```

Use the ▲ **Up** or ▼ **Down** buttons to select the *Prescan* menu and press the ▶ **Enter** button to enter that menu. The Copy Master II will proceed to the *Waiting for Master* menu.

```
Preparing...
Waiting for Master
```

Place your master disc into the Reader drive.

```

Prescanning      21 MB
                 0      68%
  
```

The *Prescan* procedure shows its status as it is operating.

```

PASS 1
Press OK to Finish
  
```

The Prescan procedure shows whether the disc passed or failed. Press the **▶ Enter** button to return to the Utility menu.

13.3 System Info

The System Info menu provides information about your duplicator including the firmware version, CPU type, and RAM capacity. You can scroll through the various specifications by pressing the **▲ Up** or **▼ Down** buttons.

```

Utilities
3. System Info
  
```

Use the **▲ Up** or **▼ Down** buttons to select the *System Info* menu and press the **▶ Enter** button to enter that menu.

```

Firmware Version
5. 42-08/11/05R03.08
  
```

The first information that is shown is the firmware version. Because the information is larger than the line width, the information will scroll. Press the **▼ Down** button to go to the next display.

```

CPU
1.6 GHz CPU
  
```

The next screen shows the CPU speed. Press the **▼ Down** button to go to the next display.

```

RAM
128 MB SDRAM
  
```

The next screen shows the amount and type of memory installed. Press the **▼ Down** button to go to the next display.

The information that you see will probably be different.

13.4 Device Info

This menu allows you to see information about the devices built inside your duplicator. That information includes, but is not limited to, manufacturer, model number, etc.

```
Utilities
4. Device Info
```

Use the **▲ Up** or **▼ Down** buttons to select the *Device Info* menu and press the **▶ Enter** button to enter that menu.

```
@@ Port @ [TM100-301]
SAMSUNG SP1604N
```

The first information that is shown is the Hard Dish Drive information (if a HDD is installed). The Copy Master II uses several different kinds of Hard Disk Drives, so the information that you see might be different. Press the **▼ Down** button to go to the next display.

```
@1 Port 1 [1.071]
DVD-VDP-MP1
```

The next screen shows information about the Reader drive. Press the **▼ Down** button to go to the next display.

```
@2 Port 2 [1.001]
_NEC DVD_RW ND-3540
```

The next screen shows information about the first Writer drive. Press the **▼ Down** button to go to the next Writer drive. Press the **◀ ESC** button to return to the *Utilities* menu.

13.5 Load Default

This function will reset all of the options back to manufacturer's default settings. You should only perform this function if your duplicator is acting abnormally.

```
Utilities
5. Load Default
```

Use the **▲ Up** or **▼ Down** buttons to select the *Load Default* menu and press the **▶ Enter** button to enter that menu.

```
Load Default
Press OK to Continue
```

Press the **▶ Enter** button to load the default parameters or the **◀ ESC** button to return to the *Utilities* menu.

13.6 Update Firmware

This function will update the software of your duplicator. To update, you need to insert the manufacturer's Certified Update CD into the Reader and select this function by pressing the ► **Enter** button. We strongly suggest that you not upgrade your duplicator's firmware unless your duplicator is getting unstable or you are instructed to do so by Tech Support..

```
Utilities
6. Update Firmware
```

Use the ▲ **Up** or ▼ **Down** buttons to select the *Update Firmware* menu and press the ► **Enter** button to enter that menu.

```
Waiting for Update
Please Insert Disc
```

Insert the disc containing the firmware into the Reader Drive. After a few moments, the Copy Master II will detect the disc.

```
Firmware Verified!
Ready to Update
```

The Duplicator will verify the integrity of the firmware disc before continuing.

```
Duplicator
Updating ...    33%
```

The Duplicator displays a progress screen as the update loads.

```
Update Complete!
Please restart
```

When the update is complete, the duplicator displays this message. Power down the Duplicator and reapply power to load the new firmware.

14. Manage Accounts

This feature allows the administrator to:

- Create user accounts and passwords to prevent unauthorized use of this duplicator.
- Edit existing user account information, including name and password.
- Delete existing user account(s).

For complete information on account management, see “Introduction to Account Management” on page 13.

To access the account management feature, you need to perform the following tasks:

```
Copy Master II 5.42
14. Manage Accounts
```

Use the ▲ **Up** or ▼ **Down** buttons to select the *Manage Accounts* menu and press the ► **Enter** button to enter that menu. You will be shown the Enter Password menu.

```
Enter PWD
[0] [ ] OK?
```

The Copy Master II will ask you for the Administrator's Password.

The default Administrator's Password is “0000.”

To enter, press the ▲ **Up** or ▼ **Down** buttons to select the first digit of your password and press the ► **Enter** button to submit the current digit. You will automatically move to the next digit. Repeat these steps until you've selected all four digits in your password. After you have entered the password, press the ► **Enter** button to “OK” to submit your password.

Once your password is validated, you will be guided to the main Manage Accounts screen:

```
Manage Accounts
1. View User
```

There are five menus under Manage Accounts. These are discussed in the sections that follow.

14.1 View User

This menu allows you to view current existing user accounts.

***Note:** User "Admin" is the administrative account. It will always be there.*

```
Manage Accounts
1. View User
```

Press the ► **Enter** button to enter into this menu.

```
View User
[ADMIN ]
```

Use the ▲ **Up** or ▼ **Down** buttons to scroll through the list of users. Press the ◀ **ESC** button to go back to the *Manage Accounts* menu.

14.2 Create User

This menu allows you to create additional user accounts. Each user has their own settings and hard drive partitions. During this process, you will be prompted to enter a new username and user password for a new account.

***Note:** The User name consists of a maximum of eight alphanumeric letters or numbers.*

***Note:** The User password consists of four numbers.*

```
Manage Accounts
2. Create User
```

Press the ► **Enter** button to enter into this menu. Press the ◀ **ESC** button to go back to the Main Menu or cancel the current selection.

```
Edit User's Name
[RALPH ] OK?
```

Enter the users name using the instructions shown in "Setting Counters and Assigning Names" on page 17. Press the ► **Enter** button to move on to the *Enter Password* stage.

Manage Accounts

```
Enter PWD
[0 1 OK?
```

Enter the users password using the instructions shown in “Setting Counters and Assigning Names” on page 17. Press the ► **Enter** button to complete.

```
User Ralph
Added!
```

The duplicator will display a confirmation message and automatically return you to the Manage Accounts menu.

14.3 Edit User Info

The *Edit User Info* menu allows you to change the existing user account's name and password. During this process, you will be asked to select the existing account and then you will be prompted to enter the new user name and new user password for this account.

Note: User “Admin” is the administrative account, you can not change the user name for this account, but can change the password for this account.

Note: The User name consists of a maximum of eight alphanumeric letters or numbers.

Note: The User password consists of four numbers.

```
Manage Accounts
3. Edit User Info
```

Press the ► **Enter** button to enter into this menu. Press the ◀ **ESC** button to go back to the Main Menu or cancel the current selection.

```
Manage Accounts
[ADMIN ]
```

Use the ▲ **Up** or ▼ **Down** buttons to scroll through the list of users. Press the ► **Enter** button to select the user.

```
Edit User's Name
[RALPH ] OK?
```

Edit the users name using the instructions shown in “Setting Counters and Assigning Names” on page 17. Press the ► **Enter** button to move on to the *Enter Password* stage.

```
Enter PWD
[0] 1 OK?
```

Enter the users new password using the instructions shown in “Setting Counters and Assigning Names” on page 17. Press the ► **Enter** button to complete.

```
User Ralph
Changed!
```

The duplicator will display a confirmation message, and automatically return you to the Manage Accounts menu.

14.4 Delete User

This menu allows you to delete the existing user account. During this process, you will be asked to select the existing account to be removed.

Note: The user “Admin” is the administrative account; you cannot delete this account.

```
Manage Accounts
4. Delete User
```

Press the ► **Enter** button to enter into this menu. Press the ◀ **ESC** button to go back to the Main Menu or cancel the current selection.

```
Select User
3. [RALPH ]
```

Use the ▲ **Up** or ▼ **Down** buttons to scroll through the list of users. Press the ► **Enter** button to select the user.

```
Delete User
[RALPH ] OK?
```

The duplicator will display a confirmation message. Press the ► **Enter** button to delete the user.

14.5 Password on Bootup

This menu allows you to enable or disable the Password on Bootup feature. During this process, you will be asked to select “Yes” or “No” (enable or disable).

```
Manage Accounts
5. Password on Bootup
```

Press the ► **Enter** button to enter into this menu. Press the ◀ **ESC** button to go back to the Main Menu or cancel the current selection.

```
Password on Bootup:
Yes
```

Use the ▲ **Up** or ▼ **Down** buttons to select either *Yes* or *No*. Press the ► **Enter** button to enter the selection.

15. Shutdown

This function will make sure it is safe to turn off your duplicator. Once you see “Ready to Power Off” message, then you can safely turn off the machine using the power switch.

Turning off your duplicator without performing this function will increase the risk of damaging your duplicator.

```
Copy Master II    5.42
15. Shutdown
```

Press the ► **Enter** button to enter into this menu.

```
Shutdown
Press OK to Shutdown
```

Press the ► **Enter** button to shut down the duplicator. The duplicator will do all of its internal housekeeping and then display a confirmation message:

```
Shutdown
Ready to Power Off
```

Press the power button to power off the duplicator.

Chapter 3: Trouble Shooting

No display on LCD or the unit does not operate when the power is on.

- Check the connections for the power cable and ensure that the power outlet is working correctly.
- Make sure that the rear-panel power voltage setting matches the voltage of your power outlet.
- If the duplicator was stored in a location where the temperature dropped below 32°F (0°C) within the past 24 hours, leave the duplicator in a warm room with a temperature of at least 65°F (19°C) for four hours prior to powering the duplicator on.

Reader cannot read disc and shows error message.

- Check the format of the master CD/DVD
- Check the master CD/DVD itself for damage.
- Your master disc may be copy protected. Normally, most of the DVDs and some of the CDs you purchase from stores have been copy protected.
- Use the Writer to read your master disc by selecting the writer as the Master Reading Source (See “Select Source” on page 35). If it works, make a copy of your master disc and treat the copy as the new master. Then set the Master Reading Source back to the READER and try again.

Buttons do not function.

- The Copy Master II may still be busy performing a task. Give it some time and press the button again. To interrupt the currently running process, press the ◀ ESC button and hold it for several seconds. If it still doesn't work, turn the machine off, and then restart the machine after a minute.

Copy completed, but the copies are not readable /executable

- Use the “compare” feature to check the copied disc (data discs only).
- Based on our experience, the quality of your media plays a big role on this part. Try to use high quality media to prevent such problems.
- Use another DVD/CD player/ROM to test the copied media. Sometimes, your DVD/CD Player/ROM may not be compatible with recordable DVD/CD disc.

The failure rate is high.

- Lower the “write speed” and try again. See “Select Burn Speed” on page 33.
- The quality of your blank discs may be poor.
- The quality of your master disc may be poor.

Do I need to upgrade my duplicator's firmware?

- Unless your system is getting unstable, we strongly suggest not upgrading your duplicator's firmware. Please contact our Tech Support if your system is getting unstable.

Cannot boot-up or fails to upgrade firmware.

- Contact our Tech Support.

Can I load data directly from my computer to my duplicator's Hard Drive?

- No, your duplicator's Hard Drive has a unique file system that computers will not recognize. Thus, you can't perform any read/write operations to the Hard Drive from your computer.

Why won't some writers copy?

- If those writers are connected with US13 2.0/Firewire IEEE 1394 connections, please make sure the switch on the back of the duplicator is off and restart your duplicator.
- Reset the system settings back to default. (See “How do I reset my duplicator back to default?” on page 70)
- Contact our Tech Support.

Why does my duplicator stay at “System Bootup”?

- The reason the Copy Master II stays at system bootup forever is caused by improper shutdown. To solve the problem, contact our Tech Support department. Even though this problem can be solved, all the hard drive information will be lost due to this failure.

How do I reset my duplicator back to default?

- See “Load Default” on page 61.

Chapter 4: Specifications

Table 4-1 DVD Copy Master II Specifications

Parameter	Specification
Targets Supported	<ul style="list-style-type: none"> ■ Copy Master II 1 to 9: 9 ■ Copy Master II 1 to 7: 7 ■ Copy Master II 1 to 5: 5 ■ Copy Master II 1 to 3: 3 ■ Copy Master II 1 to 1: 1
Hard Drive	<ul style="list-style-type: none"> ■ 9 Drive: 160 GB Basic ■ 7 Drive: 160 GB Basic ■ 5 Drive: 160 GB Basic ■ 3 Drive: 160 GB Basic ■ 1 Drive: None
DVD Reader	Pioneer OEM 16x DVD-ROM Reader
DVD Recorder	NEC ND-3520A DVD±R/RW recorder
Buffer Memory	128 MB
DVD Format:	DVD-R, DVD-RW, DVD+R, DVD+RW, Double Layer DVD+R, Dual Layer DVD-R
DVD/CD Read Formats Supported	DVD-ROM, DVD-Video, DVD-Audio, Double Layer DVD+R, Dual Layer DVD-R, DVD-RW, DVD+R, DVD+RW Mode 1: CD-ROM, CD-I, CD-Plus, Business Card CD-R, 3" Mini CD-R
DVD/CD Write Formats Supported	Double Layer DVD+R, Dual Layer DVD-R, DVD+R, DVD+RW, DVD-R, DVD-RW Business Card CD-R, 3" Mini CD-R
Supported DVD Copy Speed	DVD-R: 2x, 4x, 6x, 8x, 12x, 16x DVD-RW: 1x, 2x, 4x, 6x DVD+R: 2.4x, 4x, 6x, 8x, 12x, 16x DVD+RW: 2.4x, 4x, 6x, 8x Double Layer DVD+R: 2.4x, 4x Dual Layer DVD-R: 1x, 2x, 4x

Table 4-1 DVD Copy Master II Specifications

Parameter	Specification
Supported CD Copy Speed	CD-R: 8x, 16x, 24x, 32x, 40x, 48x CD-RW: 4x, 10x, 16x, 24x, 32x
Max Writing Speed	4x Double layer DVD+R 4x Dual layer DVD-R 16x DVD+R, 8x DVD+RW 16x DVD-R, 6x DVD-RW 48x CD-R, 32x CD-RW
Writing Mode	Auto Detect (DAO - Disk at Once, TAO - Track at Once)
Burn Proof	Yes
Power Requirements	Voltage: 90-240V AC Current: 50/60Hz 300Watt (4 & 7 CDR drive models) Current 50/60Hz 100 Watt (Single CDR drive model)
Temperature	Operating 5° C to 40° C (41° F to 104° F) Storage -20 °C to 85 °C
Humidity	20% to 80%
Weight	<ul style="list-style-type: none"> ■ 9 Drive: 40 Lbs (18.1 KGs) ■ 7 Drive: 30 lbs (13.6 KGs) ■ 5 Drive: 21.2 lbs (9.6 KGs) ■ 3 Drive: 19 lbs (8.6 KGs) ■ 1 Drive: 7.2 lbs (3.2 KGs)
Dimensions	<ul style="list-style-type: none"> ■ 9 Drive: 21" (53.3 cm) x 18" (45.7 cm) x 8" (20.32 cm) ■ 7 Drive: 21" (53.3 cm) x 18" (45.7 cm) x 8" (20.32 cm) ■ 5 Drive: 21" (53.3 cm) x 15" (38.1 cm) x 8" (20.3 cm) ■ 3 Drive: 20" (50.8 cm) x 11" (27.9 cm) x 8" (20.3 cm) ■ 1 Drive: 11" (27.9 cm) x 8" (20.3 cm) x 5" (12.7 cm)
Regulation	FCC, CE
Warranty	One Year: Parts and Labor

Table 4-2 CD Copy Master II Specifications

Parameter	Specification
Targets Supported	<ul style="list-style-type: none"> ■ CD Copy Master II 1 to 7: 7 ■ CD Copy Master II 1 to 5: 5 ■ CD Copy Master II 1 to 3: 3
CD Recorder	LITE-ON CD-RW: 52x32x52
Buffer Memory	64 MB
Formats Supported	CD-ROM/XA (Mode2 form1 & form2), CD-DA, Mixed-Mode, Video CD, CD-I, VCD, Photo CD (Single & Multi-session), CD-Extra, HFS, CD-Bridge, ISO9660, CD-R, CD-RW, Business Card CD-R, Mini CD-R
Max Writing Speed	52x CD-R, 32x CD-RW
Burn Proof	Yes
Power Requirements	Voltage: 90-240V AC Current: 50/60Hz, 500 Watt Maximum
Temperature	Operating 5° C to 40° C (41° F to 104° F) Storage -20 °C to 85 °C
Humidity	20% to 80%
Weight	<ul style="list-style-type: none"> ■ 7 Drive: 30 lbs (13.6 KGs) ■ 5 Drive: 21.2 lbs (9.6 KGs) ■ 3 Drive: 19 lbs (8.6 KGs)
Dimensions	<ul style="list-style-type: none"> ■ 7 Drive: 21" (53.3 cm) x 18" (45.7 cm) x 8" (20.32 cm) ■ 5 Drive: 21" (53.3 cm) x 15" (38.1 cm) x 8" (20.3 cm) ■ 3 Drive: 20" (50.8 cm) x 11" (27.9 cm) x 8" (20.3 cm)
Regulation	FCC, CE
Warranty	One Year: Parts and Labor

Table 4-3 CD Copy Master II Pro Specifications

Parameter	Specification
Targets Supported	<ul style="list-style-type: none"> ■ CD Copy Master II 1 to 7: 7 ■ CD Copy Master II 1 to 5: 5 ■ CD Copy Master II 1 to 3: 3 ■ CD Copy Master II 1 to 1: 1
CD Recorder	SONY CD-RW: 52x32x52
Buffer Memory	64 MB
Hard Drive	<ul style="list-style-type: none"> ■ CD Copy Master II 1 to 7: 160GB ■ CD Copy Master II 1 to 5: 160GB ■ CD Copy Master II 1 to 3: 160GB ■ CD Copy Master II 1 to 1: None
Formats Supported	CD-ROM (Mode1 & Mode2), CD-ROM/XA (Mode2 form1 & form2), CD-DA, Mixed-Mode, Video CD, CD-I, VCD, Photo CD (Single & Multi-session), CD-Extra, HFS, CD-Bridge, ISO9660, CD-R, CD-RW, Business Card CD-R, Mini CD-R
Max Writing Speed	52x CD-R, 32x CD-RW
Power Requirements	Voltage: 90-240V AC Current: 50/60Hz, 500 Watt Maximum
Temperature	Operating 5° C to 40° C (41° F to 104° F) Storage -20 °C to 85 °C
Humidity	20% to 80%
Load and Copy Support	Yes
Burn Proof	Yes
Weight	<ul style="list-style-type: none"> ■ 7 Drive: 30 lbs (13.6 KGs) ■ 5 Drive: 21.2 lbs (9.6 KGs) ■ 3 Drive: 19 lbs (8.6 KGs) ■ 1 Drive: 7.2 lbs (3.2 KGs)

Table 4-3 CD Copy Master II Pro Specifications

Parameter	Specification
Dimensions	<ul style="list-style-type: none">■ 7 Drive: 21" (53.3 cm) x 18" (45.7 cm) x 8" (20.32 cm)■ 5 Drive: 21" (53.3 cm) x 15" (38.1 cm) x 8" (20.3 cm)■ 3 Drive: 20" (50.8 cm) x 11" (27.9 cm) x 8" (20.3 cm)■ 1 Drive: 11" (27.9 cm) x 8" (20.3 cm) x 5" (12.7 cm)
Regulation	FCC, CE
Warranty	One Year: Parts and Labor

Table 4-4 Karaoke Copy Master II Pro Specifications

Parameter	Specification
Model	Karaoke Copy Master II HDD to 1 CD+G Duplicator
CD Recorder	Plextor Premium: 52 x 32 x 52
Buffer Memory	2 MB
Hard Drive	80GB
Formats Supported	CD+G, CD-ROM (Mode1 & Mode2), CD-ROM/XA (Mode2 form1 & form2), CD-DA, Mixed-Mode, Video CD, CD-I, Karaoke CD(VCD), Photo CD (Single & Multi-session), CD-Extra, HFS, CD-Bridge, ISO9660, CD-R, CD-RW, Business Card CD-R, Mini CD-R
Max Writing Speed	52x CD-R, 32x CD-RW
Power Requirements	Voltage: 90-240V AC Current: 50/60Hz, 80 Watt Maximum
Temperature	Operating 5° C to 40° C (41° F to 104° F) Storage -20 °C to 85 °C
Humidity	20% to 80%
Load and Copy Support	Yes
Burn Proof	Yes
Weight	7.2 lbs (3.2 KGs)
Dimensions	11" (27.9 cm) x 8" (20.3 cm) x 5" (12.7 cm)
Regulation	FCC, CE
Warranty	One Year: Parts and Labor

Menu Tree

1. **Copy**
2. **Test**
3. **Compare**
4. **Test+Copy**
5. **Copy+Compare**
6. **Verify**
7. **Select Burn Speed**
8. **Select Source**
9. **Erase**
10. **Hard Drive Setup** (Works only when a hard disk is connected.
 - 10.1 Select Partition
 - 10.2 Load Partition
 - 10.3 Rename Partition
 - 10.4 Delete Partition
 - 10.5 Partition Info
 - 10.6 Partition Size
 - 10.7 Select Loading Drive
 - 10.8 Format Hard Drive
11. **Edit Audio Tracks**
12. **Setup**
 - 12.1 Language
 - 12.2 Auto Start
 - 12.3 Read Error Skip
 - 12.4 CD Writing Mode
 - 12.5 Max Audio & VCD Speed
 - 12.6 Buzzer
 - 12.7 Startup Menu
 - 12.8 Screen Saver
 - 12.9 Duplication mode
 - 12.10 Counter
 - 12.11 AUTOCOPY
 - 12.12 DVD Compatibility Mode

13. Utilities

- 13.1 Disc Info
- 13.2 Prescan
- 13.3 System Info
- 13.4 Device Info
- 13.5 Load Default
- 13.6 Update Firmware

14. Manage Accounts

- 14.1 View User
- 14.2 Create User
- 14.3 Edit User Info
- 14.4 Delete User
- 14.5 Password on Bootup

15. Shutdown



Octave Systems Inc.

504A Vandell Way

Campbell, CA 95008 - USA

Technical Support 1-866-531-8325

www.octave.com

info@octave.com

Technical Support

Technical support can be found online at:

http://www.octave.com/cgi-bin/shop/shop.cgi/choice/html_copymastersupport

If you cannot solve your problem our technical support staff will assist you if your unit is still covered under warranty. In order to efficiently handle all requests we require our customers to start by filling in the Support Form found here:

http://www.octave.com/cgi-bin/shop/shop.cgi/choice/html_incident

Or call 1-866-531-8325

You will be contacted within one business day.