DISC MAKERS®
Reflex1 User Guide

Version 1.1

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DISCLAIMER

REVISION HISTORY

Revision	Date	Description
1.0	10/31/2003	Updates by Disc Makers Technical Staff

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TRADEMARK NOTICES

WELCOME

Congratulations on the purchase of your Disc Makers Reflex duplication system. This sturdy unit has been professionally designed and manufactured under strict quality guidelines to provide you with years of dependable and trouble-free operation. Please be sure to read this instruction guide thoroughly before operating the unit.

TECHNICAL SUPPORT

Disc Makers backs your duplicator purchase with free lifetime technical support. Tech support hours are from 9:00 a.m. to 6:00 p.m. EST Monday through Friday at **1-888-800-4041**. Or you can email our tech support team at: **techsupport@discmakers.com**. For FAQs, downloadable manuals, product updates, and warranty registration, go to: www.discmakers.com/support.

WARRANTY

Disc Makers warrants to the original purchaser that the duplication equipment you have purchased is free from defects in materials and workmanship for a period of one year. This warranty is applicable when the warranty registration has been completed and returned to Disc Makers within a reasonable period of time following the purchase. This warranty is not transferable.

This warranty does not apply to malfunctions caused by misuse, negligence, accident, or alteration. Disc Makers is not responsible for or liable for consequential damages related to the use or misuse of this equipment. Disc Makers' liability under this warranty extends solely to the obligation to repair or replace a covered product. Disc Makers' liability under this warranty shall not exceed the cost of the covered product.

WARRANTY REPAIR

Any item that needs to be returned for a warranty repair must be returned in original packaging. You must call Disc Makers for a return authorization number (RMA) before returning any product. In the event that the original packaging has been discarded, you can purchase replacement packaging from Disc Makers. The sender will be responsible for any damage incurred if product is not returned in original or replacement packaging. To obtain replacement packaging, call Disc Makers technical support at **1-888-800-4041** with the model of your duplicator.

PIRACY

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NEED BLANK MEDIA OR SUPPLIES?

Disc Makers offers a range of top-quality blank CD-Rs and DVD-Rs at unbeatable prices, including our own Disc Makers Premium brand. We also have an extensive line of packaging and mailing supplies, as well as inkjet cartridges and other peripherals for your duplication and printing system. For the latest products and lowest prices, shop securely online at www.discmarket.com, or call **1-888-800-4041**.
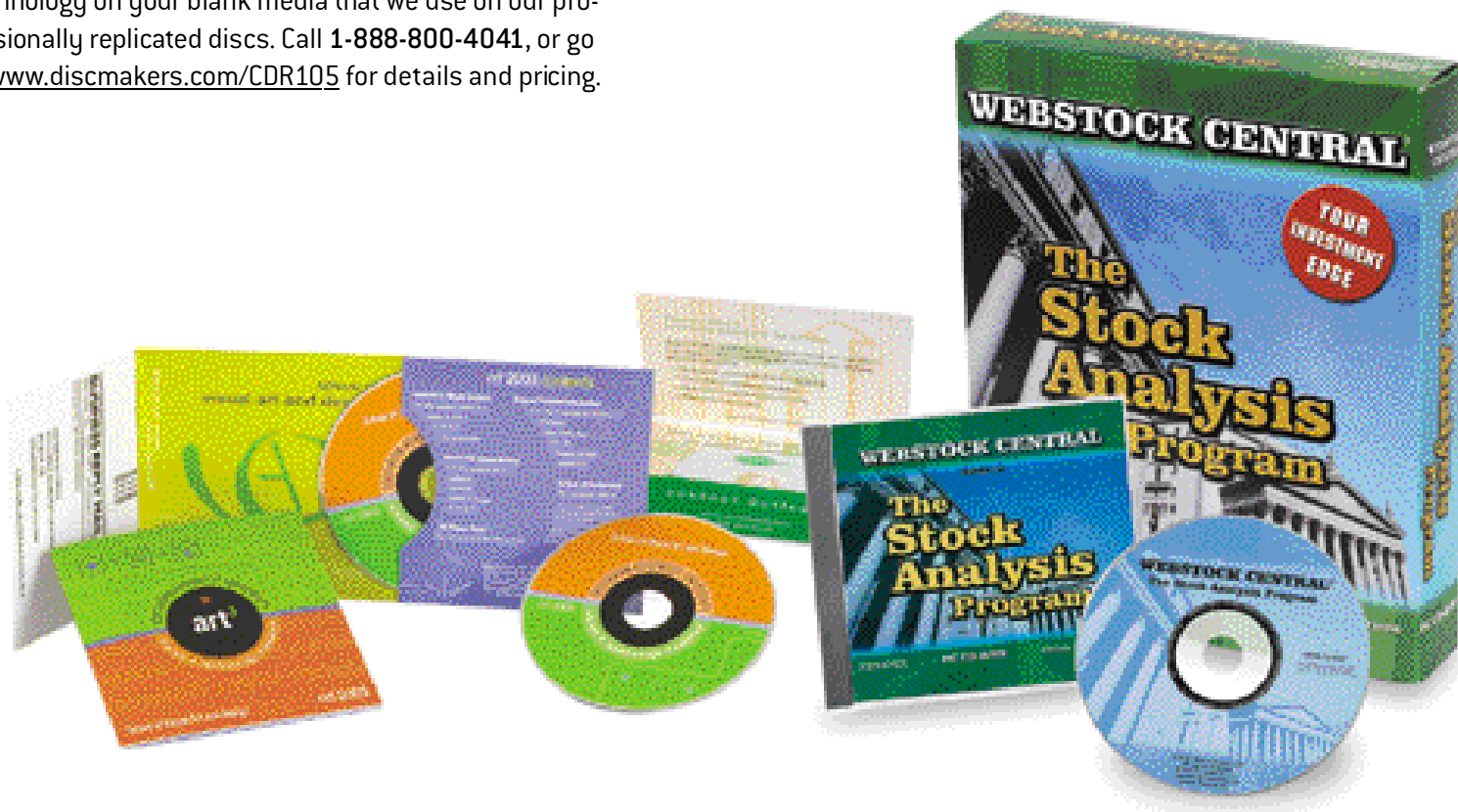
CUSTOM PRINTING ON BLANK CD-RS AND DVD-RS — IN JUST 5 DAYS!

Disc Makers gives you the same high-quality silk screen technology on your blank media that we use on our professionally replicated discs. Call **1-888-800-4041**, or go to www.discmakers.com/CDR105 for details and pricing.

HAVE A CD OR DVD PROJECT THAT'S TOO BIG FOR DUPLICATION?

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The Reflex1 is a high performance CD-R one to one disc duplicator designed for both the novice and professional user. The Reflex1 is designed for a variety of applications that require the exchange of audio, video or data content. The following is a User Guide that outlines the menu commands of the unit and immediate functions of the unit. For additional technical support please call 1-888-800-4041.

GETTING STARTED

Carefully remove the CD-R duplicator from its shipping container. Please inspect the contents and verify them against the packing slip. Be sure to report any errors in shipping immediately to Disc Makers.

Packing materials: Please save the original box and packaging in the event the unit requires future service or you need to move the unit from one location to another. This will help reduce the possibility of damage in transit.

Please Note: Any item that needs to be returned for a warranty repair must be returned in original packaging.

INSTALLATION AND SETUP

1. Unpack the Reflex1 to a clean and cool work area. Keep the external packaging for future storage and transportation.
2. Place the Reflex1 on a flat, clean and dust free surface.
3. Connect the power cord from the back of the unit to an electrical outlet. Do not bypass the Ground.
4. The Front panel should appear as below.

FUNCTIONS

1. COPY

1. Power on the system by pressing the button on the lower right front of the unit. You will then see the system initializing and performing a self test on the front panel LED. The LED will show "Detect Drives", and then switch to copy mode.
2. To begin the duplication operation, load the top drive (reader) with the master disc. Load the lower drive (writer) with high quality CD-R media.
3. Press the "ENT" button to begin duplicating. The unit will automatically analyze the master disc, and begin duplicating at the maximum recording speed.
4. The LCD will display the progress display OK when the duplication is complete. Upon successful duplication the copied disc will be ejected, if the duplication fails the disc will remain in the bottom drive.

The LCD will display:


```
Copy
OK: 01
```

To continue the same duplication job; reload the writer drive with another blank CD-R and press the "ENT" button to start duplicating again. To start a new job, place a new master disc in the reader drive.

2. TEST

The test function is used to check whether a disc will successfully copy. It simulates the copying process, when concluded no data will be written to the writer drive.

1. Select the function using the up and down arrows.
2. Load the top drive (reader) with the master disc and load the lower drive (writer) with high quality blank CD-R media.

3. Press the "ENT" button to start the process. The unit will analyze the master disc, and the source disc and display a message.

Upon successful testing the following will display on the LCD.

```
Test
OK: 01
```

If the target CD-R has already been written to, or is damaged and cannot be written to, the LCD will display the message: "Target Drive Not ready." If the data on the master CD will not fit on the blank target CD then the LCD display will read "Target Overflow".

3. TEST AND COPY

The test and copy function incorporates the first two functions into one operation. It is used to check whether a disc will successfully copy and then goes on to do the copy. First, the copy process is simulated and then the data is actually copied to the blank CD-R.
1. Select the function using the up and down arrows.
2. Load the top drive (reader) with the master disc and load the lower drive (writer) with high quality blank CD-R media.
3. Press the "ENT" button to start the process. The unit will display test the master disc, then check the target disc, and finally copy to the blank CD.

Upon successful testing the following will display on the LCD.

```
Test and Copy
OK: 01
```

If the target CD-R has already been written to, or is damaged and cannot be written to, the LCD will display the message: "Target Drive Not ready." If the data on the master CD will not fit on the blank target CD then the LCD display will read "Target Overflow".

4. VERIFY

The verify function is used to confirm that the master and the copy read the same.
1. Select the function using the up and down arrows.
2. Load the top drive (reader) with the master disc and load the lower drive (writer) with copied disc.
3. Press the "ENT" button to start the process.

Upon successful verification the following will display on the LCD and the copied disc will be ejected. To verify another disc place another disc in the writer drive and press the "ENT" button.

```
Verify
OK: 01
```

If the verification was unsuccessful the following will display:

```
Verify          F->
             Fail: 01
```
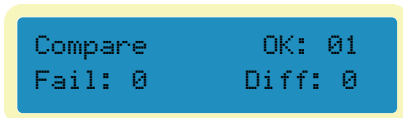
5. COMPARE

The compare function takes the verify function one step farther, it gives details about the master and copied disc. It also, ejects the disc upon a successful comparison.
1. Select the function using the up and down arrows.

2. Load the top drive (reader) with the master disc and load the lower drive (writer) with high quality blank CD-R media.
3. Press the "ENT" button to start the process. The unit will make the comparison and display whether the target CD comparison was OK or failed.

Upon successful testing the following will display on the LCD.

```
Compare        OK: 01
Fail: 0       Diff: 0
```

Pressing the up arrow will display whether the copied (Tgt) CD is identical or not, pressing the down button will show the size of the master (Src) CD. The "ENT" key will display information about master(Src) first then the copied CD (Tgt). Press the "ESC" key to return to the main menu.

6. PRESCAN

The prescan function only looks at the master CD. This is used to verify that the master can be read correctly without errors
1. Select the function using the up and down arrows.
2. Load the top drive (reader) with the master disc.
3. Press the "ENT" button to start the process. The unit will make the scan and display "PreScan OK!"

7. DISC INFO

The disc info function only looks at the master CD. It will display the session and tracks on the CD, total time of the CD and size of the CD.
1. Select the function using the up and down arrows.
2. Load the top drive (reader) with the master disc.
3. Press the "ENT" button to start the process. Pressing the up and down arrow will scan through the information.

8. SELECT SOURCE

This function is used to select which drive will be the writer drive and which will be the reader drive, changing this may render your unit inoperable.
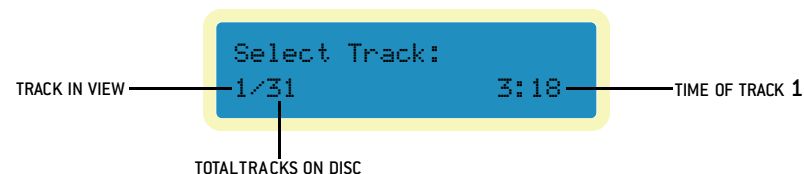
9. IMAGE

This option is not used in the Reflex 1.

10. EDIT TRACK

The Reflex 1 can be used to create custom audio CDs. This function allows the user to take audio tracks from different CDs and compile them to a single CD.
1. Select the function using the up and down arrows.
2. Load the top drive (reader) with the master disc and load the lower drive (writer) with high quality blank CD-R media.
3. Press the "ENT" button once to see the main screen for this function, "10-01 Edit Track CD to CD Edit." Press the ENT button again to see the following screen:

```
Select Track:
 1/31              3:18
```
TRACK IN VIEW — 1/31
TIME OF TRACK 1 — 3:18
TOTAL TRACKS ON DISC

4. Press the up or down arrow to change the track in view. To select a track to copy to the blank disc press the ENT key, a + will appear next to the track in view. In the following example track 3 is in view and is selected for copying. More than one track can be choosen from a CD but they will be recorded tothe destination CD in the order in which they are on the original CD. To change the order of play record each track individually.

```
Select Track:
+5/31             2:41
```

5. After selecting a track to copy press the up arrow until "End" appears. In this example one track is selected and the time for this track is 2:41. If four tracks were selected the screen would show "4 Trk" and give the total time for all four tracks.

```
Select Track:
End        1 Trk 02:41
```

6. Press the ENT button and the Reflex 1 will ask if all the selections are made for this CD. Use the up or down arrow to change between Yes and No. Pressing ENT with No on the LCD will take the user back to Select Track. Pressing ENT with Yes on the screen will start the copying of the track (or tracks) to the target CD.

```
End edit disc
and burn?    YES
```

7. When the copying ends the unit will display "Burn Complete! OK: 01". Press the ENT button. The LCD will display "Continue edit next Disc? NO". To change to another CD, Load the top drive (reader) with another master disc, press the up arrow to change the "No" to "Yes"and press ENT. This will take you to the screen from step 3. Repeat steps 3 through 6 to put more tracks on the CD.

8. When there are no more tracks to write to the CD leave the "Continue edit next Disc? NO" set to "No" and press the ENT key again. The following screen will appear:

```
Close all discs
session?    YES
```

Press ENT and the Reflex 1 will close the CD.

Note: the Edit Track CD to CD Edit is the only function enabled for the Reflex 1 in the Edit Track section.

11. SETUP
This function allows the user to specify specific parameters for copying CDs. There are 16 sub items. From the main menu screen pressing "ENT" will show the sub heading, pressing the up and down arrows allows the user to move between the settings.

1. Language: allows the user to set English or Spanish as the display language.

2. Burn Speed: allows the user to change the speed at which the unit burns a CD. By pressing the "ENT" button the current setting will be displayed, the user can then press the up and down arrows to change to the desired speed. Pressing the "ENT" button will set the speed. Press "ESC" to go back to the main menu.

3. Read Speed: allows the user to change the speed at which the unit reads a master CD. By pressing the "ENT" button the current setting will be displayed, the user can then press the up and down arrows to change to the desired speed. Pressing the "ENT" button will set the speed. Press "ESC" to go back to the main menu.

4. Auto Start Drive set to 'On' will start a copy function as soon as blank media is detected in the writer drive. The default setting is 'Off".

5. Startup Menu allows the user to have the Reflex 1 start up to any of the first seven options in the main menu.The default setting is 'Copy'.

6. Auto Verify set to 'On' will do a verify after every copy is made. The default

setting is 'Off".

7. **Auto Compare** set to 'On' will do a comparison after every copy is made. The default setting is 'Off".

8. **Auto PreScan** set to 'On' will do a prescan on every CD placed in the reader drive. The default setting is 'Off".

9. **Eject Disc** allows the user to choose what will happen at the end of function. The three choices are: Eject Good Only, Eject All Disc, and Do Not Eject. The eject option is only available on the Copy, Test and Copy, Verify, and Compare functions.

10. **Burn on the Fly** is not used in the Reflex 1.

11. **Burn Mode** allows the user to choose Disc at Once or Track at Once for the burn function. The default setting is 'DAO' Disc at Once.

12. **Button Sound** set to 'On' will cause any pressing of the control buttons to make a sound. The default setting is 'On".

13. **Device Info** has information on the writer and reader drives.

14. **System Info** has information on the controller of the Reflex 1.

15. **Quick Erase** erases the TOC of CD-RW disc

16. **Full Erase** erases all the data on a CD-RW