

A stylized icon consisting of a series of dots followed by a curved line, resembling a scribble or a signal.

SCRIBE EC

***SCRIBE EC with OptiEC PRO PRINTER
INSTALLATION GUIDE***

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SCRIBE EC with OptiEC PRO PRINTER INSTALLATION GUIDE

Minimum System Requirements

Print Station & 1-Drive Models – Minimum System Requirements:

- Minimum Pentium® III or compatible personal computer @ 800 MHz or faster.
- Windows 2000 Professional (Service Pack 4 or higher) or Windows XP Professional (Service Pack 1.0a or higher) with Administrative rights.
- 512MB RAM
- 7200 RPM ATA-100 hard drive with 850 MB for CD-R or 5GB (NTFS) for DVD-R of free hard disk space - fully defragmented.
- Monitor: 800 x 600 display, 16-bit color recommended.
- Two button mouse.
- High quality recordable CD-Rs / DVD-Rs
- One free PCI slot for DVD system or two free PCI slots for CD system (refer to Appendix A).
- One external COM Port (COM1 or COM2) for the ScribeEC loader.
- *USB to Serial Converter can be used if COM port is not available.
- IEEE-1394 B Adapter (Included).

2-Drive & 4-Drive Models – Minimum System Requirements:

- Minimum Pentium® 4 or compatible personal computer @ 2 GHz or faster.
- Windows 2000 Professional (Service Pack 4 or higher) or Windows XP Professional (Service Pack 1.0a or higher) with Administrative rights.
- 1GB RAM
- 7200 RPM ATA-100 hard drive with 850 MB for CD-R or 5GB (NTFS) for DVD-R of free hard disk space - fully defragmented.
- Monitor: 800 x 600 display, 16-bit color recommended.
- Two button mouse.
- High quality recordable CD-Rs / DVD-Rs.
- One free PCI slot for DVD system or two free PCI slots for CD system (refer to Appendix A).
- One external COM Port (COM1 or COM2) for the ScribeEC loader.
- *USB to Serial Converter can be used if COM port is not available.
- IEEE-1394 B Adapters (Included).

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IF YOU PURCHASED A PRINT STATION – SKIP THIS PAGE

Mounting the Firewire Adapter Card

Note: The internal configuration of your computer may be different from the computer picture below

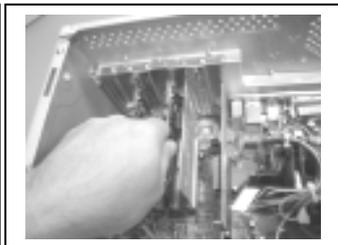
DVD drive ScribeEC requires only one PCI firewire B controller card (IEEE-1394B).

For additional information on making the firewire connection refer to *Appendix A*.

1. Shut down the PC.
2. Turn the PC's power off.
3. Unplug the PC.
4. Remove the PC's cover as indicated in the PC's manual.
5. Locate an empty PCI slot, as seen in **(fig.1)**.
6. Install the firewire adapter card **(fig. 2)**.



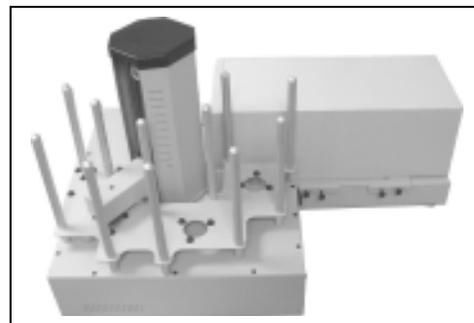
(fig. 1)



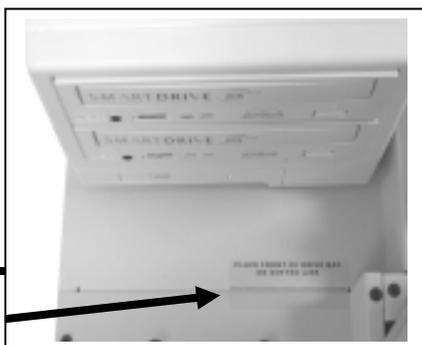
(fig. 2)

Installing the Drive Bay

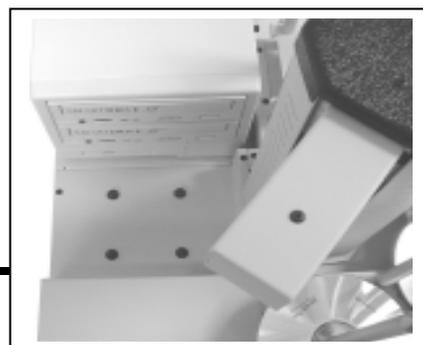
1. Place the drive bay onto the base unit as seen in **(fig. 1)**.
2. Position the drive bay so that the front right corner sits over the dotted line **(fig. 2)**. Proper position is shown in **(fig. 3)**.



(fig.1)



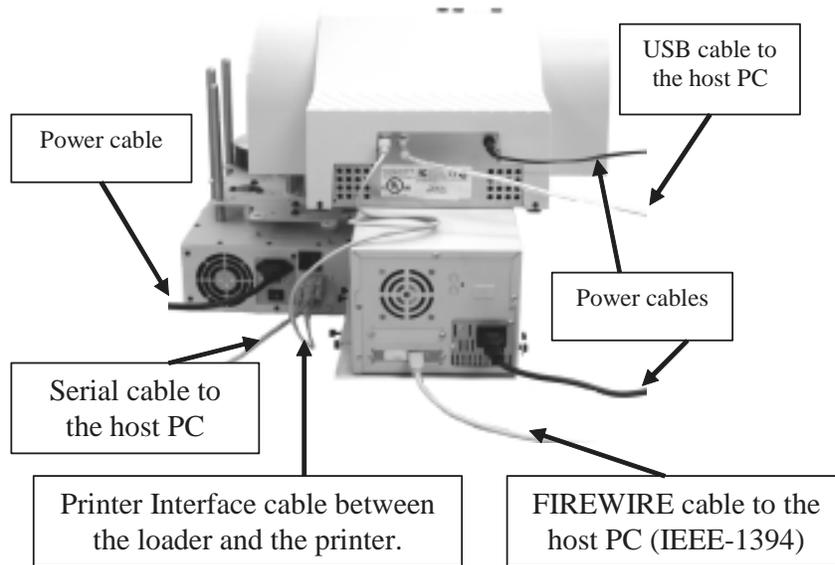
(fig. 2)



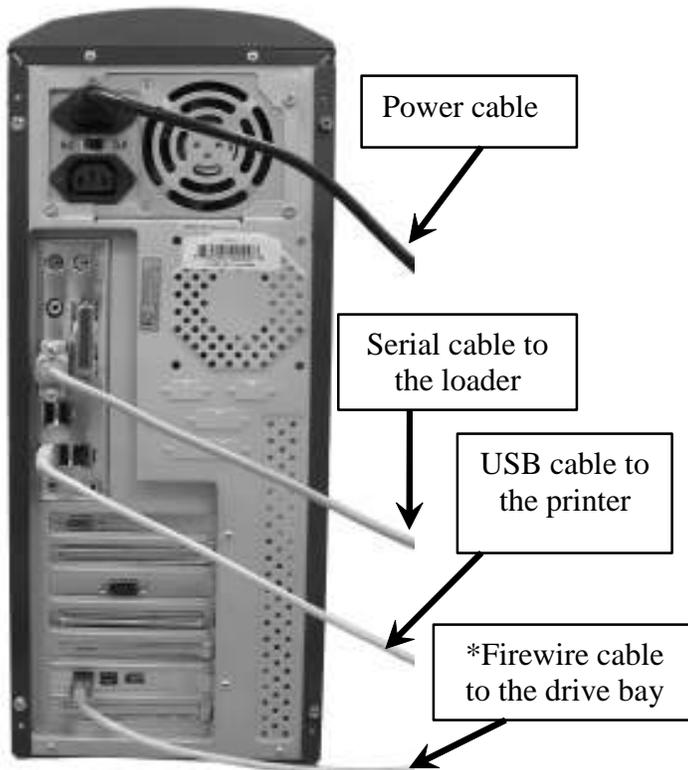
(fig. 3)

Making the Connection

- 1 & 2 Drive Systems have one firewire B cable connection (IEEE-1934B).
- 4 Drive Systems have two firewire B cable connections (IEEE-1934B).



PC Connection

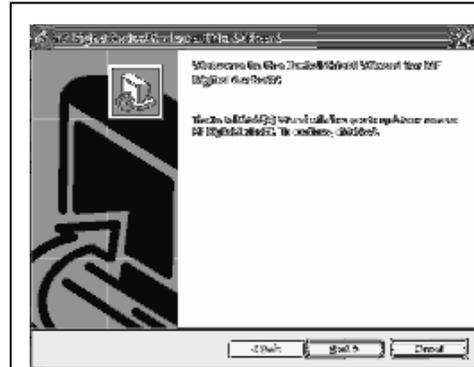


Note:

For additional information on the firewire connection refer to Appendix A

Installing the SCRIBE EC Software

1. Insert the SCRIBE EC software CD.
2. From the CD ROM drive of the computer, click *Install SCRIBE Software*.
3. Click *Next* (**fig. 1**).
4. Accept the license agreement and click *Next* (**fig. 2**).



(fig. 1)



(fig. 2)

5. Click *Install* (**fig. 3**).



(fig. 3)

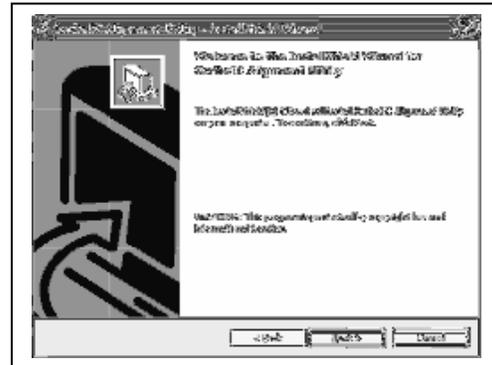
6. Click *Finish* (**fig. 4**).



(fig. 4)

Installing the SCRIBE EC Alignment Utility

1. Insert the SCRIBE CD into the CD-ROM drive of your PC.
2. Click on setup.exe of the alignment utility and Click *Next* (fig. 1).
3. Choose the setup type that best suits your needs, then click *Next* (fig. 2).



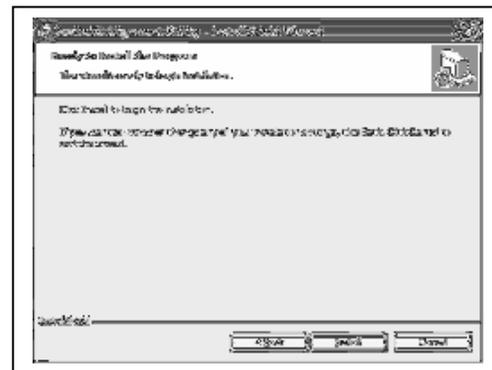
(fig. 1)

4. Click *Install* (fig. 3).
5. A progress bar will appear (fig. 4).



(fig. 2)

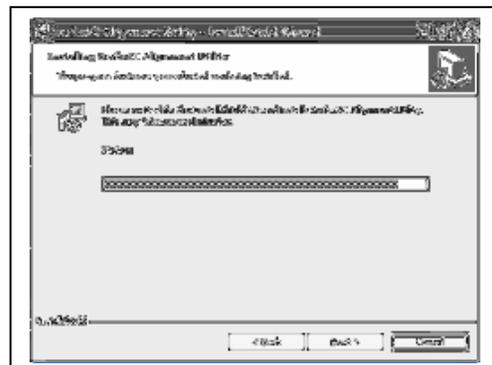
6. Click *Finish* (fig. 5) to finish installation.



(fig. 3)



(fig. 5)



(fig. 4)

Installing the OptiEC PRO Printer Driver

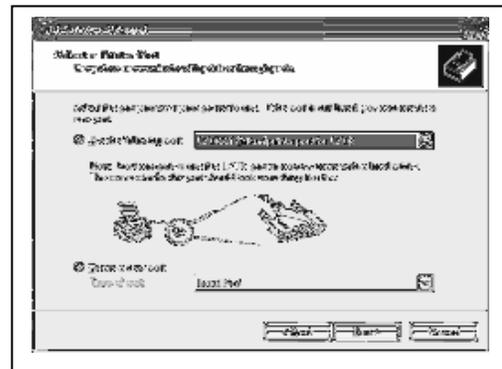
1. Click Start-> Settings-> Printers
2. Click Add New Printer
3. The “Welcome to the Add Printer Wizard” window will appear (**fig. 1**). Click *Next* button.
4. In the “Local or Network Printer” window, uncheck the “*Automatically detect installed printer*” option, leaving the “*Local printer attached to computer*” option (**fig. 2**) and click *Next* button.
5. In the “Select a Printer Port” window, select *USB001* port (**fig. 3**) then click *Next* button.
6. In the “Install Printer Software” window, click the “*Have Disk*” button (**fig. 4**). You will be then prompted to “Install from Disk”, click the “*Browse*” button (**fig. 5**). Browse the location of the printer driver on a CD (**fig. 6**).



(fig. 1)



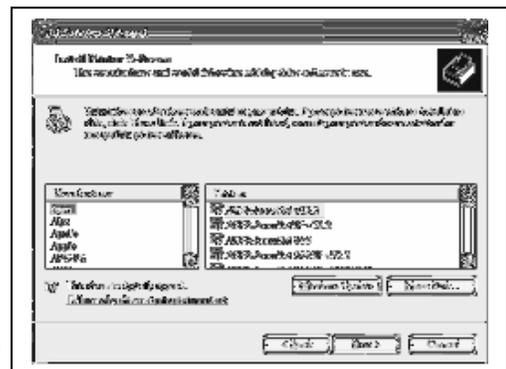
(fig. 2)



(fig. 3)



(fig. 5)



(fig. 4)



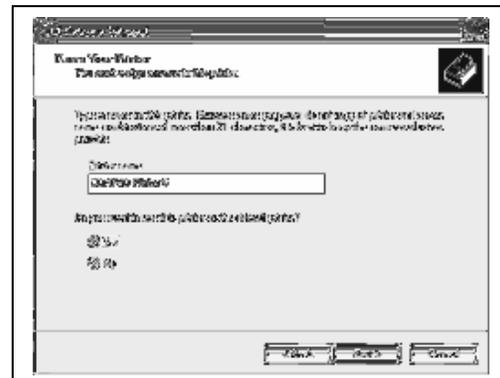
(fig. 6)

Installing the OptiEC PRO Printer Driver (cont.)

7. After specifying location of a driver for the OptiEC PRO printer, the printer “CD/DVD Printer 6” will appear in the “Add Printer Wizard” (fig. 7). Click Next to continue.
8. In the “Name your Printer” window, leave the printer as the default name, and select the printer to be the default printer name (fig. 8) and click Next.
9. In the “Printer Sharing” window, select “Do Not Share the Printer” (fig. 9) and click Next.
10. Choose *No* for “Print Test Page” (fig. 10) then click *Next*.
11. The “Completing the Add Printer Wizard” window will appear (fig. 11). Click *Finish*.
12. Click on *Continue Anyway* button to proceed (fig. 12).
13. You have now successfully installed the printer driver for OptiEC PRO printer.



(fig. 7)



(fig. 8)



(fig. 11)



(fig. 9)



(fig. 12)



(fig. 10)

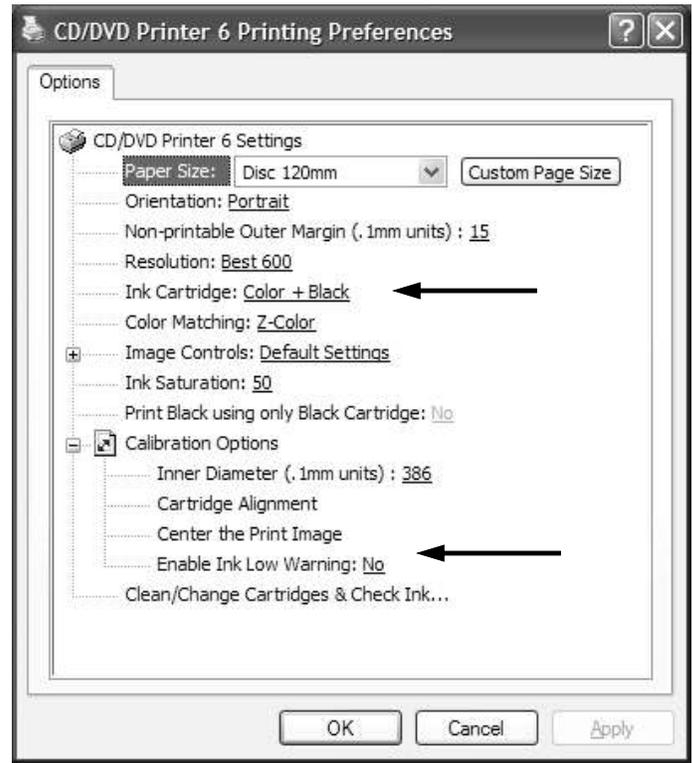
Adjusting the OptiEC PRO Printer Driver Settings

Printing Preferences

To change the printing preferences for the OptiEC PRO printer, please do the following:

1. Go to Start-> Settings -> Printers
2. Right-click on the CD/DVD Printer 6 in the Printers Folder
3. Go to Printing Preferences
4. For the Scribe Program to use the printer effectively, please match the settings of your printer driver to the example on the right-side of this page.
 - a. Ink Cartridge setting depends on installed cartridge.
5. To save settings, click Apply and OK to exit.

*****NOTE: Any changes made to the printer driver settings, require a NEW PRN file to be made. If you change one of the settings, be sure to create a NEW PRN file.*****

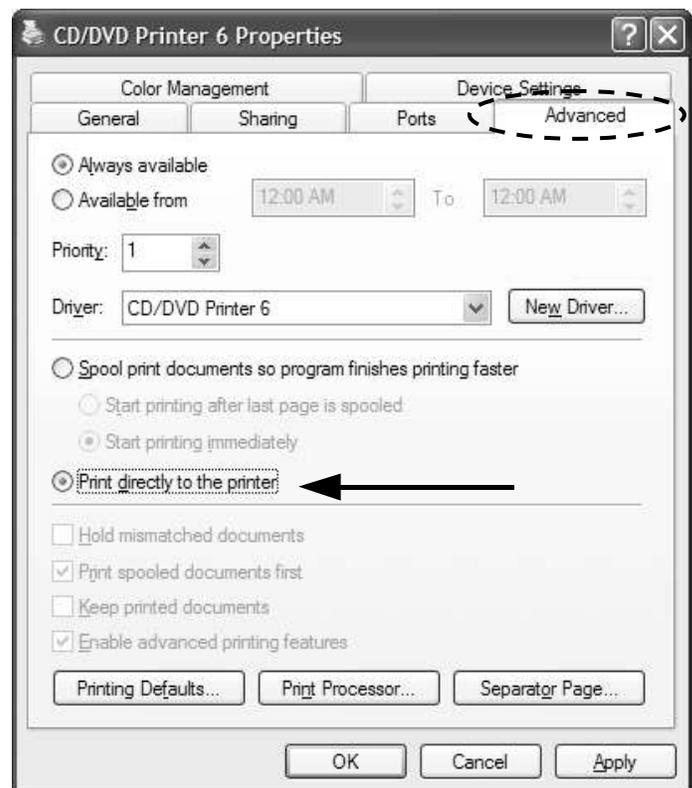


Printer Spooling

It is important to disable printer spooling on the OptiEC PRO printer. To do so, please follow the steps below:

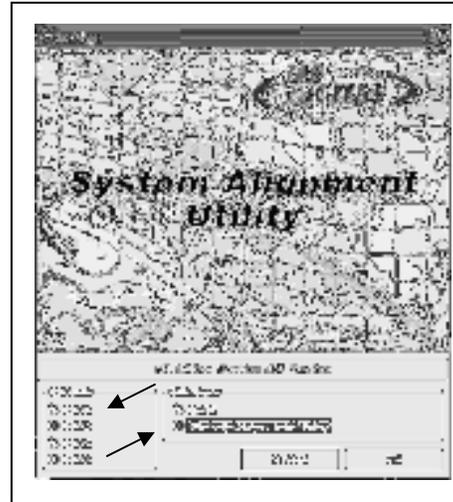
1. Go to Start-> Settings -> Printers
2. Right-click on the CD/DVD Printer 6 printer in the Printers Folder
3. Go to Properties
4. Go to the **Advanced Tab**
5. For the Scribe Program to use the printer effectively, please match the settings of your printer driver to the example on the right-side of this page.
6. To save settings, Click Apply and OK to exit.

*****NOTE: Any changes made to the printer driver settings, require a NEW PRN file to be made. If you change one of the settings, be sure to create a NEW PRN file.*****

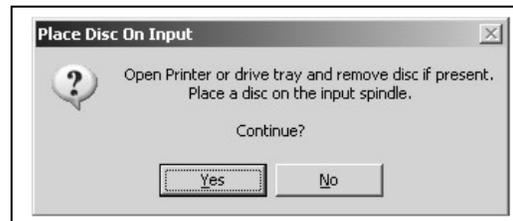


Aligning the Drive Tower

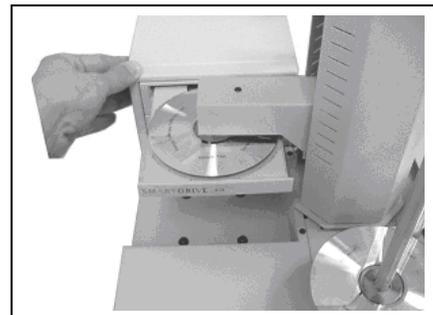
1. From your Start Menu Open the *SCRIBE EC Alignment Utility* (**fig. 1**). It will be located in the folder designated when you installed the alignment utility. Choose the appropriate COM Port which the Scribe EC Loader is installed on, select the *“All other printer types or drives’ bay”* and then click the *Start Test* button.
2. Follow the onscreen instructions by opening the top CD/DVD drive tray, and clicking the **Yes** button (**fig. 2**). The loader arm will then hover a disc over the open drive tray. Observe the disc’s position and make the appropriate adjustments to the drive bay tower (**fig. 3**).
3. Click the **Yes** button when you are satisfied with your adjustment (**fig. 4**).
4. The picker arm will then place the disc onto the drive tray. Follow the on screen instructions and click the **OK** button (**fig. 5**).
5. Once you are satisfied with the drive’s tower alignment, secure the tower by tightening the thumb-screws located on **both** sides of the drive tower (**fig. 6**).



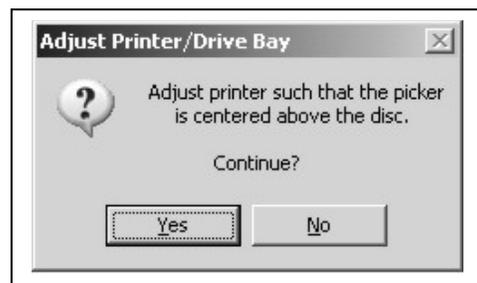
(fig. 1)



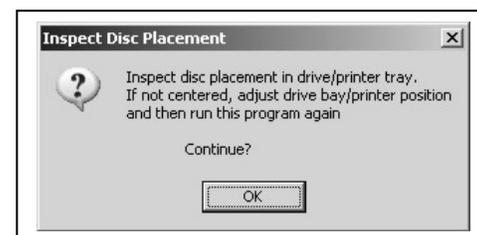
(fig. 2)



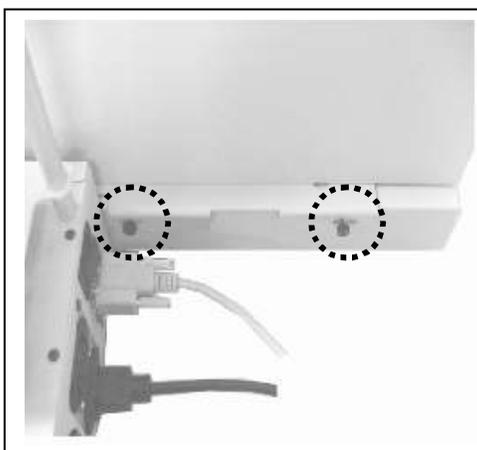
(fig. 3)



(fig. 4)



(fig. 5)



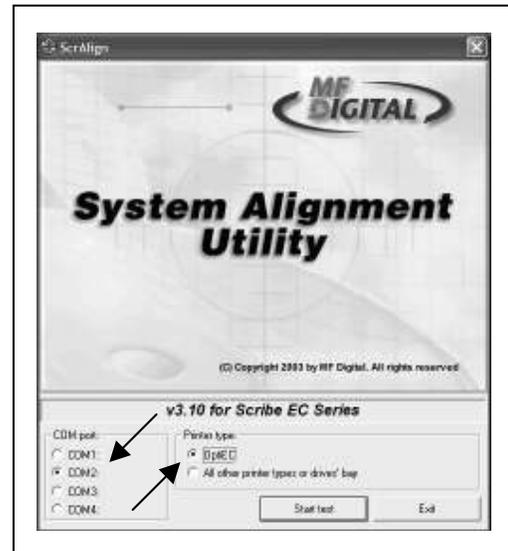
(fig. 6)

Aligning the OptiEC PRO Printer

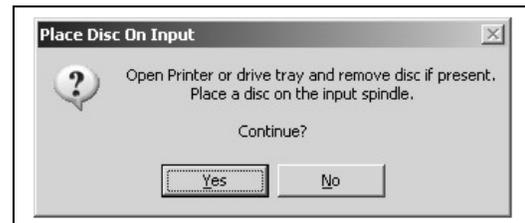
Alert:

Before starting the Alignment Utility, position the back end of the inkjet printer in line with the dotted line on the top of the drive bay.

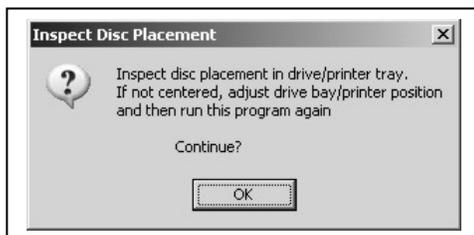
1. From the Start Menu Open the *SCRIBE EC Alignment Utility*. It will be located in the folder designated when you installed the alignment utility. Choose the appropriate COM Port Number, which the Scribe EC Loader is connected to then choose the *OptiEC* then Click the *Start Test* button (fig. 1).
2. Follow the onscreen instructions then Click *Yes* button (fig. 2). The picker arm will then hover a disc over the open printer tray. Observe disc's position and make the appropriate adjustments to the printer (fig. 3).
3. Click *Yes* when you are satisfied with your adjustment (fig. 4).
4. The picker arm will then place a disc onto the printer tray. Follow the on screen instructions then click the *OK* button (fig. 5).
5. Once you are satisfied with the printer's alignment, tighten the thumbscrews located on **both** side of the printer (fig. 6).



(fig. 1)



(fig. 2)



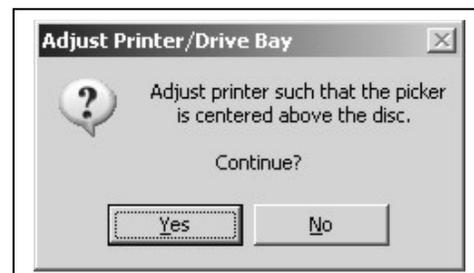
(fig. 5)



(fig. 3)



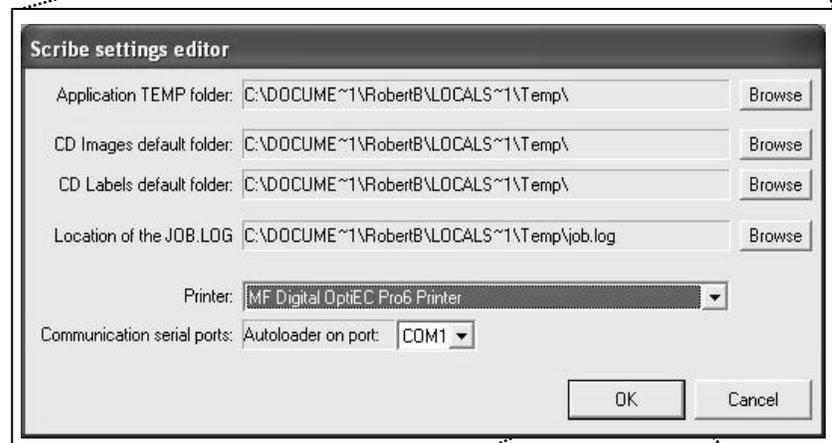
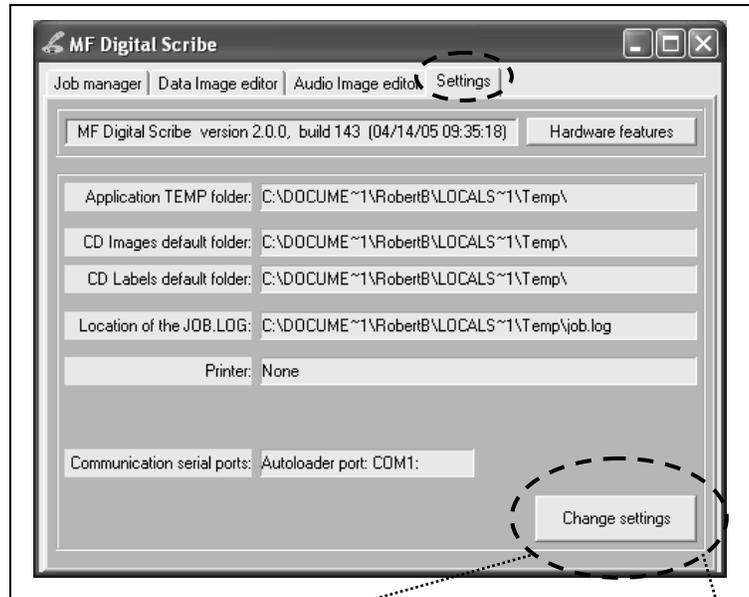
(fig. 6)



(fig. 4)

Setting up the ScribeEC software for the printer.

1. Execute the ScribeEC software.
2. Click the “*Settings*” tab.
3. Click the “*Change settings*” button as shown in the picture.
4. In the “*Scribe settings editor*” window, using the drop down menu select the “*MF Digital OptiEC Pro6 Printer*” as shown in the picture.
5. Click the **OK** button.
6. For the changes to take affect the ScribeEC software needs to be restarted.





Installing / changing ink cartridges in the OptiEC PRO printer.

The ink level monitoring option was tested on the OptiEC PRO with both ink cartridge configuration: Color+Black and Color+Photo.

There are two ways to install / replace ink cartridges in the OptiEC PRO printer. CD/DVD Printer 6 User's manual shows both ways.

The first way is on pages 7-10

The second way is in the bottom of the table on page 25.

Installing / replacing a new cartridge:

1. With the printer tray closed, open the printer's front cover.
2. Press the Ink Cartridge Button on the top of the printer.
3. Insert the replacement ink cartridge into the cartridge carrier, copper-end first.
4. Close the printer's front cover.
5. Press and hold the Ink Cartridge Button for about 5 seconds until both the power and busy lights start to blink at the same time in sequence: five blinks, pause, repeat.
6. Press the **Power button** to specify a **new COLOR Cartridge**.
Press the **Ink Cartridge button** to specify a **new Black or Photo Cartridge**.

NOTE:

When replacing both ink cartridges at the same time repeat steps 2-5 for each cartridge.

Generating a PRN file for the OptiEC PRO printer.

- 1) Open up the *SureThing CD Label* software as shown in fig. 1.

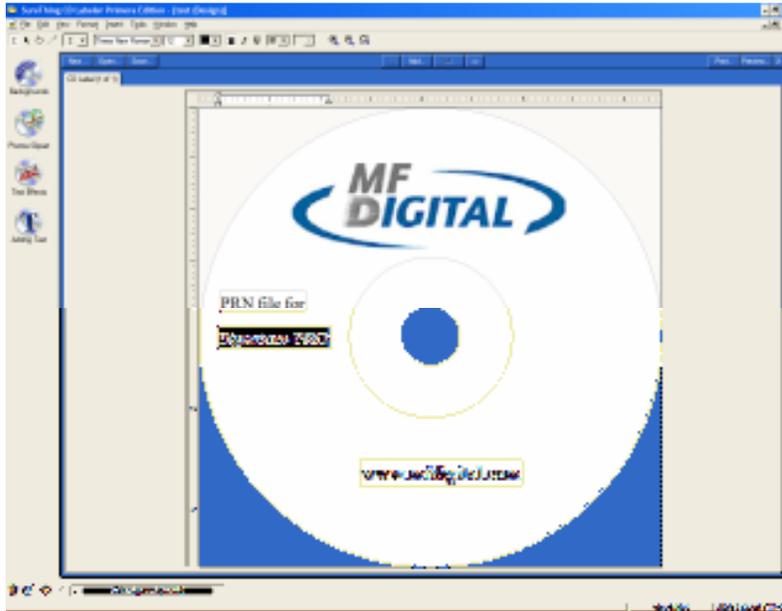


Fig.1 SureThing CD Label software.

- 2) Save all projects as a SureThing file for future implementation. Select **File => Save As...** type in a file name.
- 3) To generate a PRN file Select **File => Print...**
- 4) Under Printer option select the **CD/DVD Printer 6**, press the **Advanced** button as shown in fig. 2.

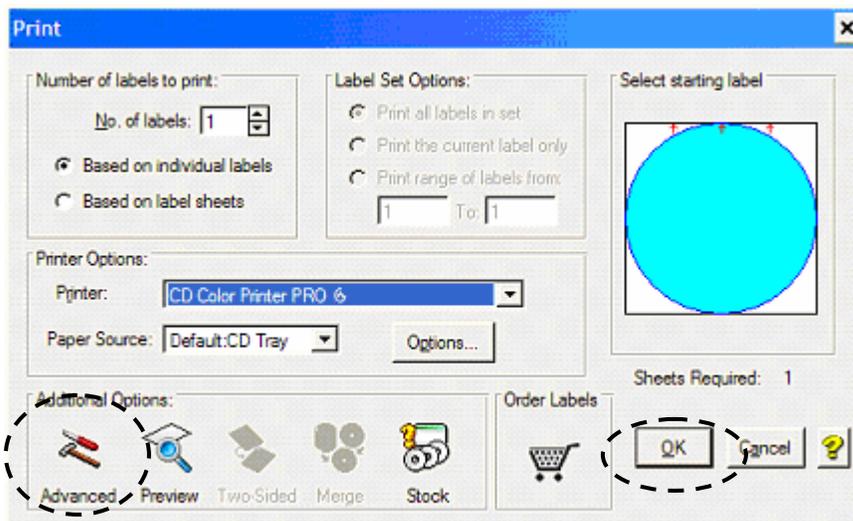


Fig.2 Print window.

- 5) Check the **Print to file** box, press the **OK** button as shown in fig.3

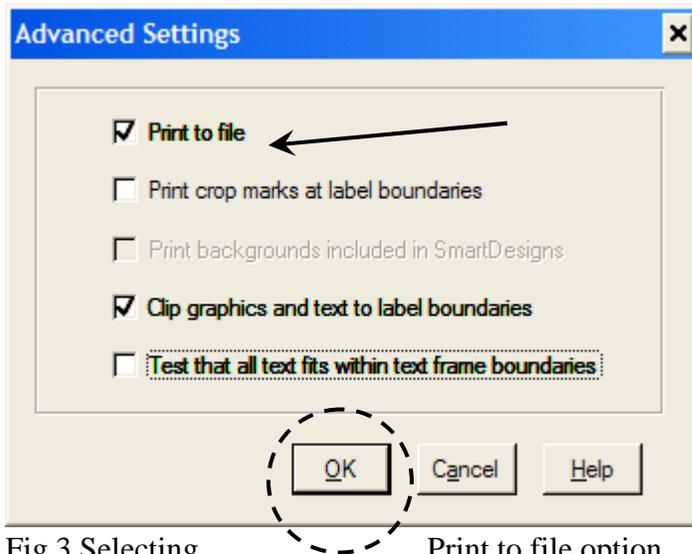


Fig.3 Selecting Print to file option.

- 6) Press the **OK** button to proceed as shown in fig. 2.
7) Type the name and location of the output PRN file. You **MUST** use the **“.PRN”** extension to successfully generate the PRN file. Click the **OK** button as shown on the fig.4

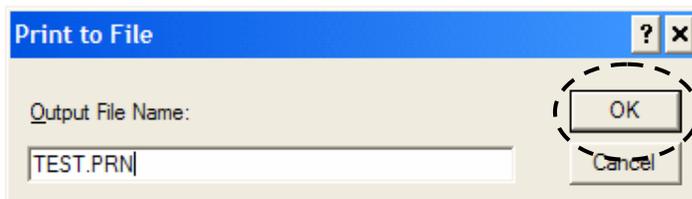


Fig.4 Naming the PRN file.

NOTE:

You must use the **“.PRN”** extension to successfully generate a PRN file.

- 7) You have successfully generated the PRN file.

Appendix A

DVD8Z-9001EC, DVD8Z-9002EC

1 and 2 DVD drive system requires only one PCI firewire B controller card (IEEE-1394B) to be installed in the host PC. One firewire B cable is connected between the host PC and the drive bay.

DVD8Z-9004EC

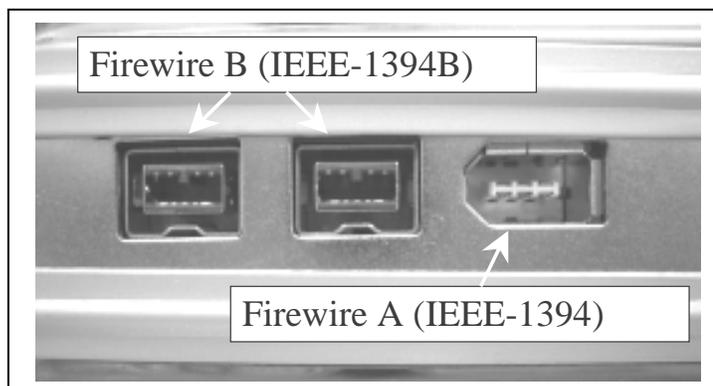
4 DVD drive system requires only one PCI firewire B controller card (IEEE-1394B) to be installed in the host PC. Two firewire B cables are connected between the host PC and the drive bay. Both of the firewire B cables are plugged into one PCI firewire B controller card (IEEE-1394B).

CD-9001EC, CD-9002EC

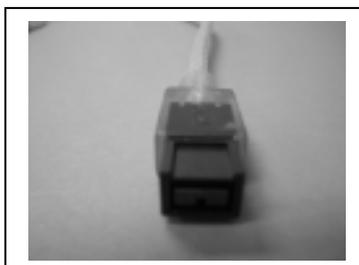
1 and 2 CD drive system requires one PCI firewire A controller card (IEEE-1394) to be installed in the host PC. One firewire A cable is connected between the host PC and the drive bay.

CD-9004EC

4 CD drive system requires two PCI firewire A controller cards (IEEE-1394) to be installed in the host PC. Two firewire A cables are connected between the host PC and the drive bay. One firewire A cable is connected to one firewire A controller card.



A picture shows both the firewire A and firewire B ports.



This picture shows the firewire B cable.



This picture shows the firewire A cable.



Troubleshooting

1. The ScribeEC program did not recognized the loader.

- a. Check the power cable on the back of the ScribeEC loader.
- b. Make sure the power switch in the power supply of the loader is in the ON position (the I is pressed in).
- c. Make sure the power switch on ScribeEC loader is turned ON.
- d. Check the serial cable (RS232) connection between the ScribeEC loader and the host PC.

2. ScribeEC program did not recognize any drives.

- a. Press the eject button on the drive to check for power to the drives.
- b. Check the power cable connection on the back of the drive bay.
- c. Turn the power button on the drive bay. The power button is located on the front of the tower. *The power button on the six bay tower is located on the back.
- d. Check the firewire cable connection between the drive bay and the host PC.
- e. Check the Device Manager for the **IEEE-1394 Bus host** controllers which is the firewire PCI controller card installed in the host PC.
- f. Check if the Windows operating system recognized the drives by going to My Computer or Device Manager. Windows operating system must initialize the drives prior to executing the ScribeEC program.

3. ScribeEC program did not recognize printer.

- a. Make sure the power to the printer is turned ON. The power button is located on the top of the printer.
- b. Make sure the ScribeEC program is set for **OptiEC PRO** printer (page 12).
- c. Check the USB cable connection between the printer and the host PC.
- d. Check the printer interface cable connection between the printer and the ScribeEC loader.

4. Generated PRN files fail to print.

- a. Check the printer driver settings (page 9-10).
- b. The PRN files depend on the correct printer driver settings.
- c. Any changes to the printer driver settings results in creating a new PRN file.

Genuine MF Digital Consumables

Thermal Printer Supplies



Thermal CD/DVD Printer Ribbons The Gold Standard

Part#	Product Description
CDP-PRN-BK	750' Black Ribbon for Prism Plus (Fine Line Print)
CDP-PRN-BLK	850' Black Ribbon for Spectrum 2 Printers
CDP-PRN-RED	656' Red Ribbon for Prism Plus & Spectrum 2 Printers
CDP-PRN-BLUE	656' Blue Ribbon for Prism Plus & Spectrum 2 Printers
CDP-PRN-GRN	656' Green Ribbon for Prism Plus & Spectrum 2 Printers
CDP-PRN-MULTI	656' Multi Ribbon for Prism Plus

Ink Jet Printer Supplies



Inkjet CD/DVD Printer Cartridges

Part#	Product Description
CDP-OPTI-EC-C	Color Ink Cartridge for OptiEC Inkjet Printer
CDP-OPTI-EC-CX	Large Color Ink Cartridge for OptiEC Inkjet Printer
CDP-OPTI-EC-BLK	Black Ink Cartridge for OptiEC Inkjet Printer
CDP-SIG4IC-BLK	Black Ink Cartridge for Sig IV, Sig Pro, & OptiEC PRO Printers
CDP-SIG4IC-C	Color Ink Cartridge for Signature IV Inkjet Printer ONLY
CDP-SIGPROIC-C	Color Ink Cartridge for Sig Pro & OptiEC PRO Printers
CDP-OPTI-EC-PROC-C	Photo Ink Cartridge for OptiEC PRO Printer ONLY

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