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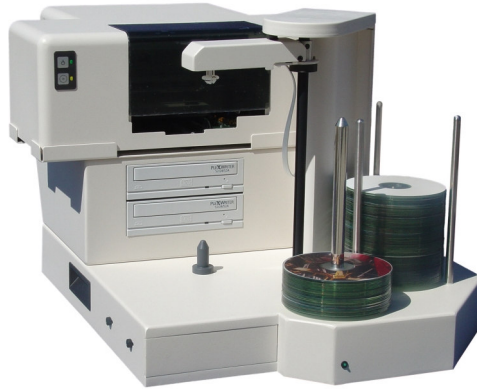
Manual Revision 101804 USB Elite-2

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Table of Contents

Welcome

Thank you for purchasing the Elite CDR/DVDR publisher. This system has been designed and is manufactured under strict quality guidelines. This product will provide years of dependable and trouble free operation.

Description

125 Piece Input   CDR or DVDR Drives   2-Year Warranty on Robotics

The Elite is a multi-writer desktop CD-R or DVD/CD-R copying and printing solution in a single footprint. As the most versatile duplication system on the market today, the Elite offers you endless possibilities to automate your CD-R or DVD/CD-R duplication and printing needs.

The fast and advanced Center-Pick auto-loading mechanism will provide ease of use and trouble-free operation. The Elite's components are based on industrial design technology that will provide years of trouble-free operation.

The Elite is provided with all the hardware and software that allows easy installation with customer provided computer hardware. Please be sure to review the minimum computer requirements. Failure to observe these requirements could affect the performance of your Elite and quality of your recorded product.

The Elite comes standard with CDR or DVDR/CDR combo writers which are controlled by Padus's® award winning DiscJuggler® recording software. The recording software provides a smooth duplication process with trouble-free operation. DiscJuggler® software is firmly embedded within the Elite's system providing a seamless and reliable solution to the user.

Discus© labeling software is included to enhance your product. Discus© label making software is a simple and easy to use program that will enable you to create professional quality CD/DVD labels.
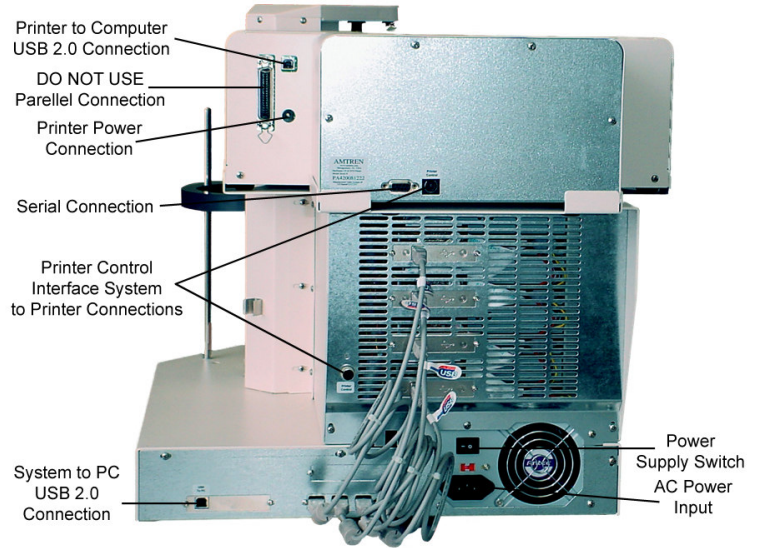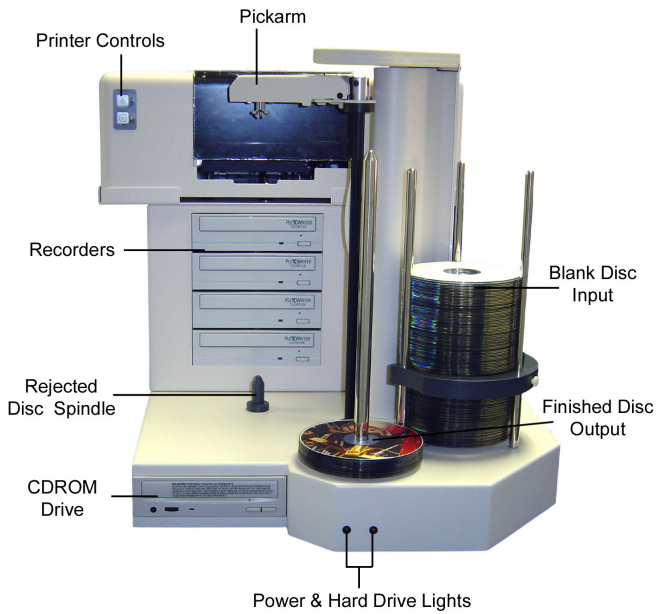
Installation Requirements and Cautions

The Elite is an investment for your company. It is very reliable and you can count on it to produce quality CDR and DVDR disks as needed, over and over for many years.

Review and try to double check the following items if, after following the installation directions in this manual, the system does not work correctly.

1- Burn Speed is set too high. This problem is a leading and unnecessary trouble spot and causes CDRs and DVDRs to be wasted. The Elite uses an automated process and production throughput is based on many factors. In the early stages of using this system we recommend that you set your DATA burn speed at 60% and your AUDIO burn speed at 40% of the rated drive speed. (For example, set at 40x for 52x CD writers and set at 2x for 4x DVDR writers.) Once you understand the overall process, then you may want to adjust these settings. In over 90% of cases, increasing the burn speed will not increase the production and/or output of the Elite.

2- Cables are not connected. Verify that all cables are connected.

3- Improper or bad print files (output.prn). Print a label manually before you make the print file. Be sure what you are sending the printer can be used.

4- Print File not set. The print file is not properly set in the recording software.

5- Media Placed Upside down (or label side down). If media is inserted upside down into a write drive, the Elite cannot determine what has occurred and will generally lock up. Pay close attention to the way the media is stacked when it is received from the supplier. Insert the blanks into the input section as they are stacked from the supplier.

6- Bad Media. Taiyo Yuden (TY) media and DiscMakers Ultra media, which are certified to the speed listed on your write drive, are recommended by the drive manufactured for use on the Elite. Optical Write Media is made with different methods, depending on the manufacturer. Do not sacrifice your product by using cheap media.   Use of consumer media and/or media that is "specially priced" is not recommended either. This is generally write disc product rejected when a manufacturer makes commercial write media. Poor Quality discs will cause operational and quality issues.

7- Changing Settings. The Elite and the software provided are preset for optimal performance. Do not make any changes in the setup options of the recording software unless you test and verify that your settings changes do not affect operational performance.

9- Serial Number not correctly entered into the Software. If the recording software does not have the correct serial number, it will default to demo or 1x burn speed. Enter the number carefully.

Hardware Overview
Before starting the installation, please review the Elite Hardware and Functions

Printer Controls

Pickarm

Recorders

Blank Disc
Input

Rejected
Disc Spindle

Finished Disc
Output

CDROM
Drive

Power & Hard Drive Lights

Printer to Computer
USB 2.0 Connection

DO NOT USE
Parellel Connection

Printer Power
Connection

Serial Connection

Printer Control
Interface System
to Printer Connections

System to PC
USB 2.0
Connection

Power
Supply Switch

AC Power
Input

Note that the front CD ROM, Power and Hard Drive
lights are only available on Pro models. Here, an
Elite-4 is shown.

Power Switch   Lifting Handle(s)
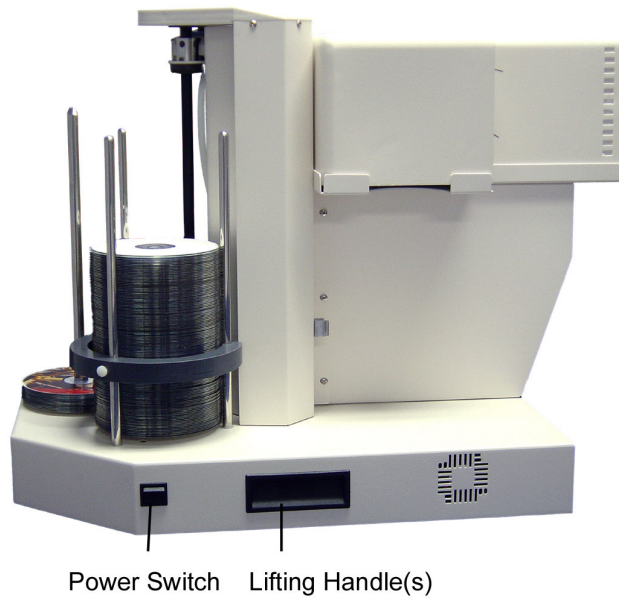
Customer Minimum Hardware and Software Requirements

Desktop systems change rapidly and the Elite was designed for use with PC systems that are relatively new models. It is recommended that you operate your new Elite with the best possible hardware. This will ensure you a recording and printing system that will operate smoothly and efficiently.

The following are minimum requirements for the PC to which the Elite is to be connected. These are very important. Due to the high speed of the writers, sufficient memory and FAST hard drives are required.

Minimum PC Requirements:

Elite-2 CDR	Elite-2 DVDR
1.0 GHZ Celeron® Processor or equivalent.	1.0 GHZ Celeron® Processor or equivalent.
256 MB RAM	512 MB RAM
7200 RPM 20 GB hard drive with 50% free space.[1]	7200 RPM 40 GB hard drive with 70% free space.[1]
Available USB 2.0 port[2]	Available USB 2.0 port[2]

Software Requirements:

Windows 2000 or Windows XP

1. Throughput performance is significantly increased if the host PC is equipped with a 10,000 RPM SATA or SCSI hard drive.

2. CAUTION: Use only with a USB 2.0 port. The use of USB 1.1 will dramatically reduce performance.

If Windows displays a message that a fast USB device is detected on a slow USB port, then you need to upgrade your computer by adding a USB 2.0 port.

This brief setup guide is provided to get the Elite operational out of the box. Once you get the system operational, complete online help can be accessed from the DiscJuggler HELP Section.

Step 1
Unpacking the Hardware:

Your system was shipped in 1 box and contains the Elite unit and cables. If you purchased the CD Printer, it was shipped in a separate box.

Carefully open the box and remove the top protective cardboard sheet. You will then be able to remove the following:

✓CD Pick Arm
✓Printer Control Cable
✓Printer USB Cable
✓Elite USB Cable
✓AC Power Cord
✓Software and Manual

Set the components on a table that will hold the Elite unit and your PC. Next, by lifting straight up, carefully remove the foam container and foam protection over the Elite unit. You will see the Elite in a plastic bag. The Elite has lifting hand holders on either side, locate these and remove the Elite from the box. Remove the Elite out of the bag and place all shipping components back into the shipping carton for future use.

NOTE: It is important to always ship the Elite in its proper container; therefore, storage of the box and shipping components is necessary. In the event you misplace your packaging and need to ship the Elite, you must contact the service department to purchase a new shipping container for a small fee.

Next, remove the printer from its shipping carton and place all the components on the table.

Account for all the components and proceed to installation of the CD Pick Arm.

Main Box Opened and parts located in top section

Remove foam sections and Access the Elite Main Unit

Locate Lifting handles on the Elite Unit and lift out
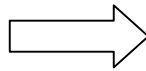
Step 2
Installation of CD Pick Arm

The CD Pick Arm needs to be installed onto the rotate arm. Remove the pick arm from the bubble wrap packaging. Included with the arm will be a bag containing two black plastic retainers. These retainers are used to hold the pick arm onto the rotate arm.

Hold the pick arm in one hand. Place the arm onto the slotted resting tray on the upper section of the column. Plug in the RJ12 (telephone) type connector (NOTE: MAKE SURE THE CONNECTOR RETAINER HAS SNAPPED INTO PLACE BY PULLING GENTLY ON THE CABLE). Then secure the arm into place by pressing a retainer into each side of the pick arm. These steps can be reviewed in the pictures shown below.

The pick arm should freely float or pivot from the point where the retainers were installed.

Locate Pick Arm & Retainers.
Step 1

Hold Pick Arm in Place & Connect
RJ12 Connector.   Step 2
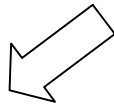
Install / Press in the Black Plastic
Retainers. Step 3
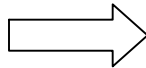
The Pick Arm after Installation.
Step 4

Step 3
Connection of AC Power and USB 2.0

Plug the USB 2.0 Cable into the connector labeled "USB To PC" located on the left side of the rear of the Elite unit. This connector is identical to the common connectors of standard computers. Connect the other end of the USB cable into an available USB 2.0 port on your PC. Your PC should be off at this time.

Plug the power cord into the power supply of the Elite, also located on the rear side. Plug into a standard 115V AC outlet.

Use of a common plug strip with AC filtering, as is common with most high-end computers, is recommended for the Elite.   Also, if the unit is to be located in an area where the utility or power company experiences frequent outages, utilizing a UPS is strongly recommended.
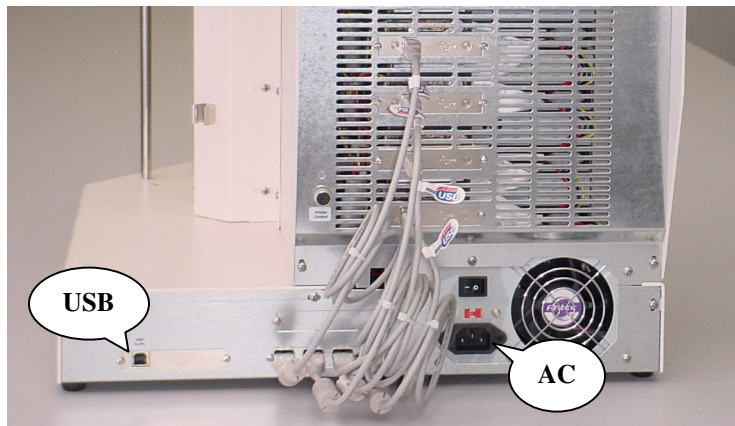
Connection of USB 2.0 & AC Power

Step 4
Installation of the CD Printer

The Elite is preset for the Autograph VI. The drivers are included with the installation CDROM. Discus is the label making software and is located on the Discus CD.

Place the printer into the print holding tray located at the top of the drive stack. Holding the printer with hands on the left and right side, insert the front side of the printer at an angle first, and then let the back section gently drop into place. The printer should be securely inserted into the print holder tray and should be completely level.

Plug in the USB printer cable provided with the Elite into the rear of the printer. Plug the other end of the USB cable into one of the available USB ports on the rear of the Elite as shown in the bottom left image below.

Plug in the printer mini-DIN control cable (this is similar to a keyboard cable and has connectors on both ends) into matching connectors in the rear of the printer and the rear of the Elite.

Place the AC Power Adapter that was provided with the CD printer next to the rear of the printer and plug into a standard 115V AC outlet. Plug the other end into the power connector on the rear of the printer. The printer will perform a basic internal test, then wait for additional commands from the operator or the software.
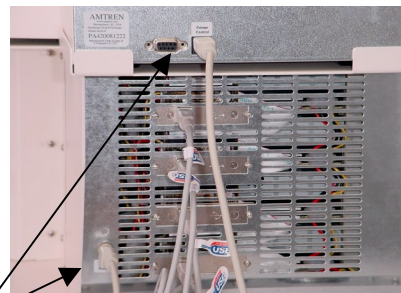
Install printer by allowing front section
to rest in place, then lower the
rear section into the tray.
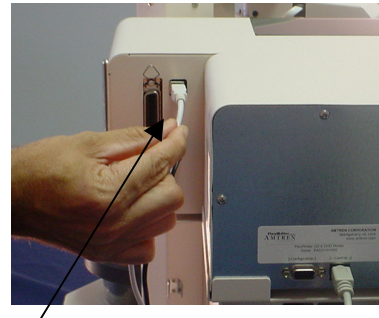
Connect the printer USB
cable to the printer.
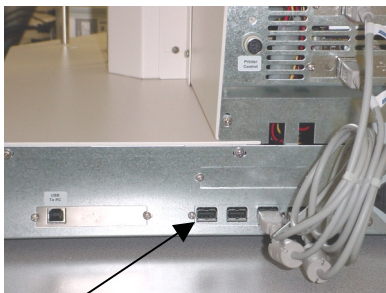
Connect the USB cable
from CD printer here.

Connect the printer DIN Control
Cable from the Printer to the Elite.

Please review your entire unit and be sure that you have the following:

Four cables connected to the Elite Unit

1. USB cable from your PC to the port labeled "USB to PC."
2. Printer control cable running from the rear of the Elite to your CD printer.
3. USB cable from the CD Printer to a USB port on the rear of the Elite.
4. AC power cable from the power supply on the rear of the Elite to a standard wall outlet.
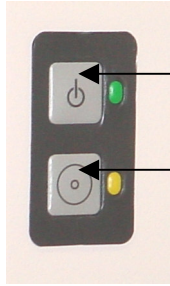
Three cables connected to the printer

1. Printer control cable from your Elite unit
2. USB printer cable that will plug into a USB port on the back of the Elite-2.
3. Power cable from a standard wall outlet.

One USB cable connected to your PC

1. USB cable from your PC to the USB port on the rear of the Elite label "USB to PC."

Step 5
Installation of the CD Printer's Ink Cartridges

Top button turns the CD Printer on and off. Green LED indicates the printer is on.

Bottom button opens and closes the CD Printer Tray. Yellow LED indicates a CD is in the tray and the tray is closed.

Turn on the CD Printer by pressing the top button on the front of the printer. Your PC should still be turned off at this point.

Lifting up the front plastic cover of the printer will cause the ink cartridge holder to slide into the center of the opening enabling you to replace the ink cartridges.

If the pickarm will not allow the front plastic cover to open, then you may **gently** push the pickarm **downward** by applying downward pressure at the base of the pickarm where it wraps around the column. **NEVER** attempt to rotate the pickarm or try to push it downward by pressing down on the top of it. Doing so will damage the Elite's picking mechanism.

Unpack the included ink cartridges. Be sure to remove the tape from the cartridges. **Do not** touch the metal contacts or ink nozzles. Release the latches on the cartridge holders. Place the ink cartridges in their respective color-coded holders. The black cartridge goes in the left slot of the cartridge holder and the color cartridge in the right slot. To secure the cartridges, close the top of the cartridge holder. You should hear a "snap" sound as they latch back into place. Close the printer door.

Proceed with the next step, inserting the setup CDR.

Step 6
Insert the Startup CDR

Locate the Installation and Support CDROM, insert into your PC's CDROM drive and it will automatically open to a setup screen. *Note: If your CDROM drive is not set to autoplay, open the CDROM and click on click_here.htm*.

Once the Installation CDR is deployed, you will have several options displayed on the screen.

Each of these options is briefly outlined on the following pages.

Installation and Support CD

The DiscJuggler link in Step 2 of the Installation and Support CD installs the following three programs:

DiscJuggler: Pro Local Batch Mode Duplication from any source. This software will be used to master your CDR/DVDR's and control the autoloading-printing process.

ImageJuggler: Local FAST Duplicate and Print Mode with asynchronous operation of the drives and the printer. This mode is best used for medium to high volume production tasks. The production output will be significantly higher than the batch mode. To use the ImageJuggler program, you **must** first create an image of your CD using DiscJuggler Pro. ImageJuggler should only be used by experienced operators.

Network Console: This allows login and setup of the Network Server Operating Platform. This package is set to login automatically upon opening the package. The console ICON will appear in the lower right desktop area when it is deployed. This package should be operational at all times to service requests from the clients on your network. This service of the client work will not impact local jobs from either DiscJuggler Pro or ImageJuggler.

The AutoLoader Command Console link in Step 3 of the Installation and Support CD installs ACC.

The ACC (Autoloader Control Console) provides a graphical interface allowing you to troubleshoot, update, and adjust your Elite unit. This is a useful utility for setup and maintenance of the Elite. You may have to install the .NET Framework, also located on this CD, before installing this software.

Register Online

If your PC is currently connected to the Internet, click on this option to register your Elite online. You are encouraged to register your Elite to allow you to be notified of software updates.

Download Center

If your PC is currently connected to the Internet, click on this option and you will be directed to the software support download site. You can compare the version you are installing or are currently using, if it is an older version you can download an update – FREE! Be sure to download the installation PDF and review before upgrading your software.

Install Client CDR/DVDR Software for Network PC's

You may carry this CD to the other computers on your network and use this option to install the client version of DiscJuggler. This software is used to submit jobs to the DiscJuggler server that runs the Elite directly. If you have DiscJuggler.NET, multiple clients can submit multiple jobs. If you have DiscJuggler Professional, then only one client can submit a single job at a time.

Step 7
Turn on your Elite Unit & Install Drivers

Ensure that all the cables are properly connected. Turn on your PC if you have not done so already. Turn on the Elite by using the power switch located on the right side of the unit (picture on page five). If the unit does not power on, ensure that the power supply switch located at the rear of the unit is turned on. Windows will detect new hardware and prompt you for drivers.

Make sure the Installation and Support CD ROM is in your computer's CD ROM drive. Minimize the "Installation and Support" webpage if necessary. In most cases, Windows can install the necessary drivers automatically. If Windows is unable to locate the driver, select "Install from a list or specific location" and click on "Next", as shown in Fig. 6.1. Uncheck "Search removable media" and select the radio button beside the "Include this location in the search" option. Click on the "Browse" button (Fig.6.2) and navigate to the "LoaderDriver" folder on the Installation and Support CD, as shown below in Fig. 6.3.

Click the "OK" button and then "Next" on the window that follows. XP will display a warning stating that the drivers have not passed XP Logo testing as shown in Fig. 6.4. Click on "Continue Anyway."

Figure 6.1
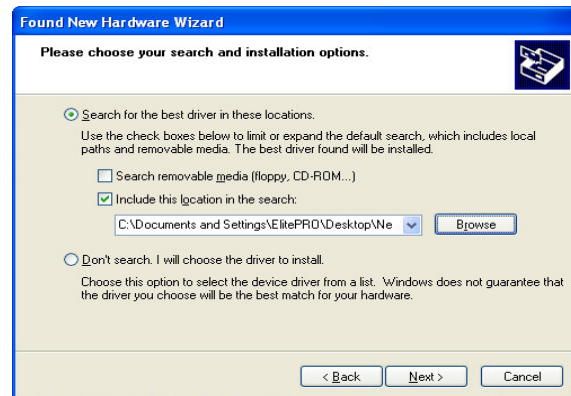
Figure 6.2
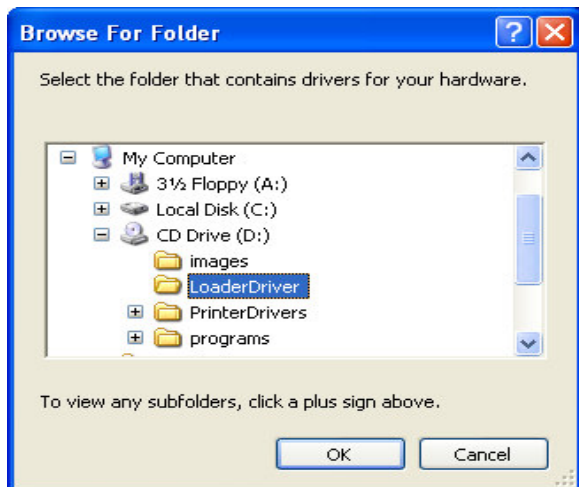
Figure 6.3

Figure 6.4
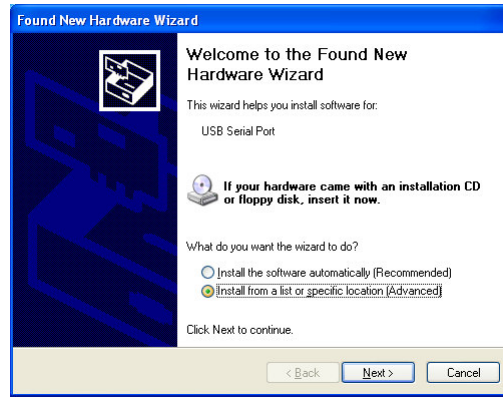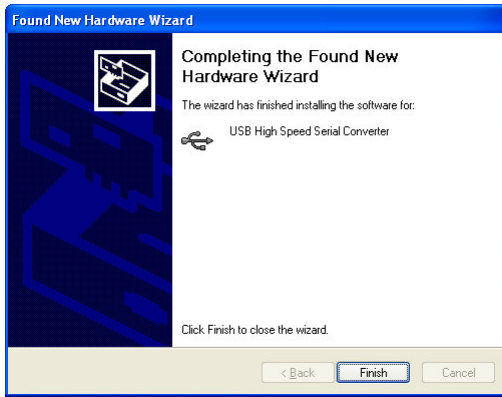
Click on "Finish" to complete the installation. Windows will now detect additional hardware. Follow the same steps as before to install the additional hardware.

Windows 2000 users:

Note that the above installation process may look slightly different if you are using Windows 2000. Windows 2000 users should select the recommended "Search for a suitable driver" option, deselect the CD ROM drive and specify the "LoaderDriver" folder on the Installation and Support CD. If Windows 2000 detects an "**Unkown Device**" then proceed to the next page to install the CD Printer drivers.

The software will create a USB Serial Port for the Elite Duplicator to use. Typically, the port will be assigned the next available COM Port number. It will be listed in the Windows Device Manager when the Elite is turned on and connected to your computer.

CD Printer Driver Installation.

Windows will now prompt for drivers for a "Lexmark Z55." Please follow the directions on the following pages to install the CD Printer driver. Failure to do so could result in undesirable printing results.

Step 8
Installation of AutoGraph VI CD Printer Drivers

The AutoGraph VI Requires Windows XP or 2000 and a USB2.0 Connection.
Do not use the AutoGraph VI with other systems or hardware. Performance will be greatly affected.

Please follow each of these steps:

1. Close all the folders and applications on the PC. Show the Desktop.

2. Leave the Installation and Support CD in the CDROM Drive.

3. Install the Printer onto the Elite per the Setup Guide, step 4, page 11 (if not already completed.)

4. Connect the power and USB 2.0 cables (if not already completed.)

5. Windows© XP© will display Found New Hardware Lexmark© Z55.

6. Allow XP to begin the installation process or click on this message.

7. XP's Install New Hardware Wizard will display this message or one that is similar.

8. Click ok to proceed with the installation.
 If you are presented with a message that a file is not found by the installer, you must click OK and navigate to the \PrinterDrivers subfolder on the CDROM. You can match the file name to one in the list you are browsing.

9. Click next and follow the default settings. The Driver should automatically install.

10. The XP Logo Certification warning will display. Click on continue.

11. XP will display the License Page, click on "I Agree."
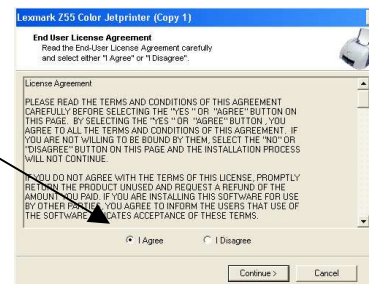
12. At the completion of the installation, XP will display "Hardware Installed Successfully."

(This completes the driver installation. Next, we set up the printer.)

13. Now, set the defaults for the AutoGraph VI Driver. Do not omit any of the following steps below or the AutoGraph VI will not function properly.

14. Click Start, Control Panel, Printers & Faxes, Lexmark Printer Icon.

Lexmark Z55 Color Jetprinter
0
Offline

15. On the Icon RIGHT Click & Open Properties.

Open
Set as Default Printer
Printing Preferences...
Pause Printing
Sharing...
Use Printer Online
Create Shortcut
Delete
Rename
Properties
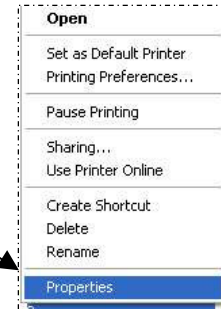
16. The Printer Setup Screen will display.
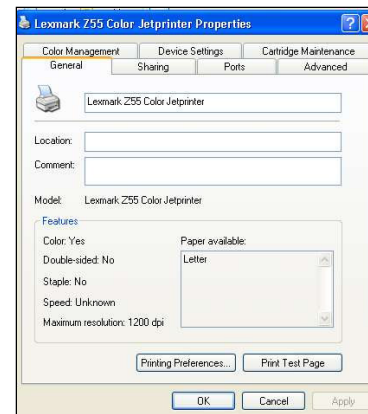
17. Select the Advanced tab in the upper portion.

Change the print spool setting from "Start printing immediately" to "Start printing after the last page is spooled." Click the Apply button at the bottom.

Click Printing Defaults.
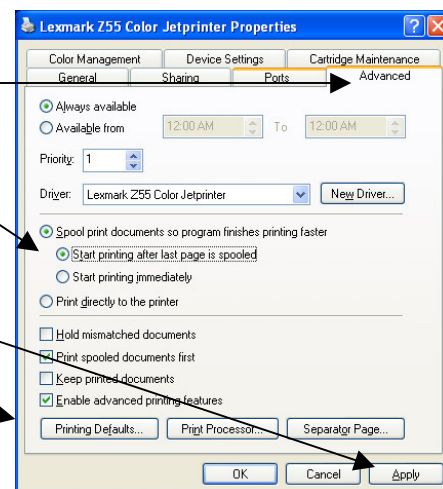
18. Select Paper/Quality.
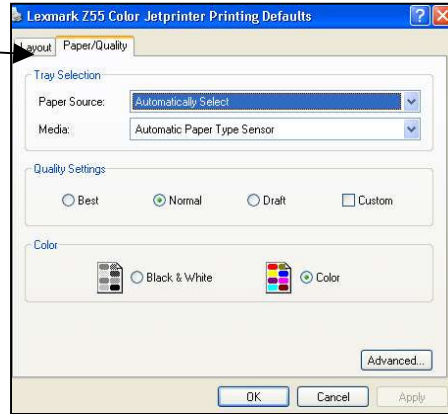
Change the following:

19. Paper Source to: UPPER TRAY.

20. Media Type to: GLOSSY or COATED PAPER.

21. Quality Settings to: CUSTOM.

22. Select ADVANCED at the bottom of the panel.
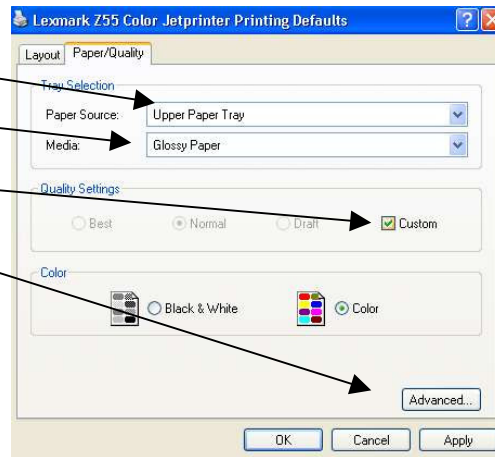
23. Set Graphic Print Quality to BETTER.
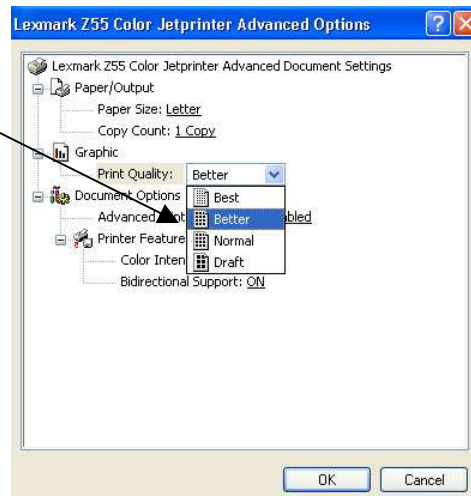
24. Click OK, and APPLY. Click OK to return to the Properties window. Be sure to APPLY the Settings or they will not become the default.
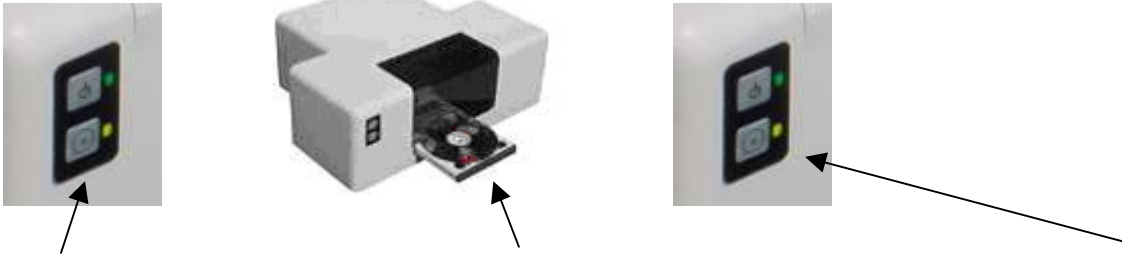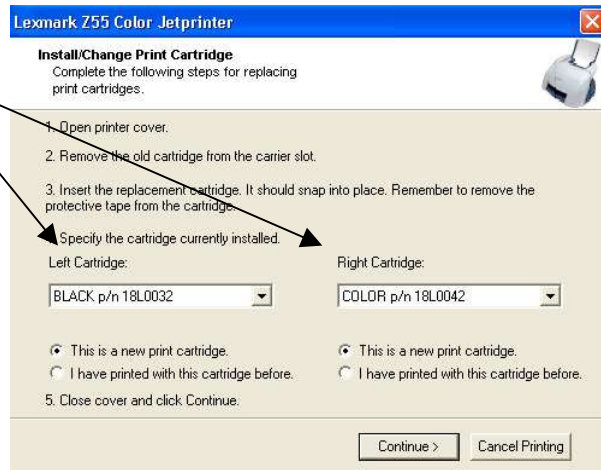
25. Open the Print Tray and place an Inkjet CD that can be printed into the printer and close the tray.

26. Select Cartridge Maintenance.
 Then click on Install/Change Cartridge.
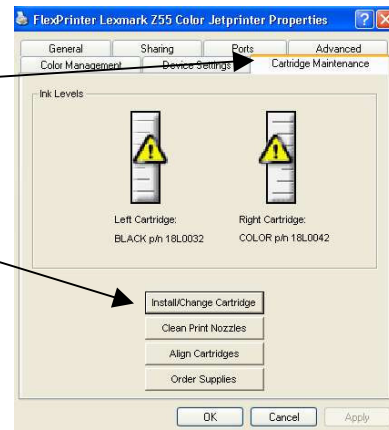
27. Indicate the Cartridges that were installed. Click Continue on the next panel.

28. Remove the check mark from Automatic Alignment. Click Continue.

 If a CD is printed telling you to use manual alignment, you did not remove the check mark by Automatic Alignment. Go back to Step 26 and restart.)
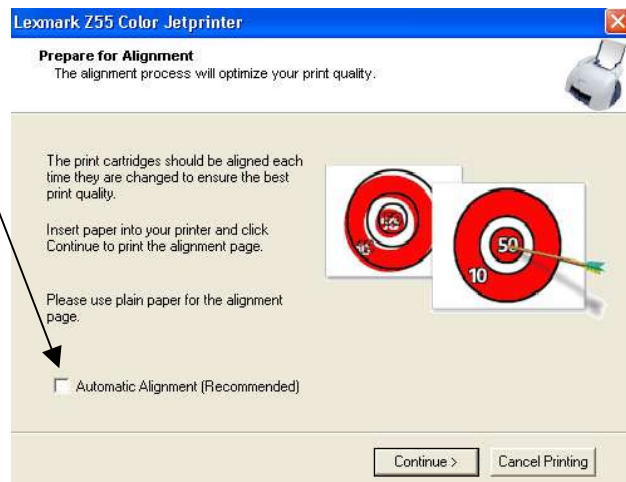
29. Allow the CD to print, review the alignment numbers and enter into the correct box if required. In some cases an Error will display indicating that your PC will need to be rebooted. Return to this step after rebooting.
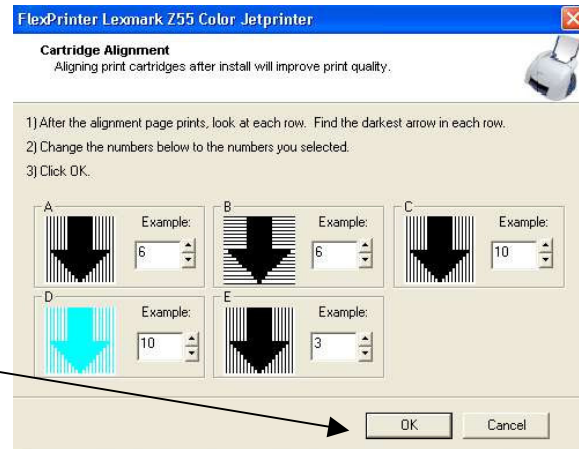
30. Click OK, Return to Cartridge Maintenance.

31. Select the General Folder, Change the Name from Lexmark Z55 Color Jetprinter to AutoGraph VI -Lexmark Z55.

32. Close the Properties window and return to the Desktop.

33. This completes the Driver installation and Set-up. Please proceed to the next page.

Powering off your Elite Duplicator:

It is recommended that you turn your PC off before turning off your Elite CD Duplicator. If it is necessary to leave your PC on and turn the Elite off, then make certain that you first close any applications or windows that are using the duplicator or the duplicator's drive. This includes DiscJuggler, ACC, and any open window that is displaying the contents of a CD in the Elite's drive.

Step 9
Network Connection

You may connect your PC to your existing computer network. It may be necessary to change some of your PC's network settings before it will function properly on your network.

Connecting your PC to your network will allow you to access shared folders and drives on other computers in the network. The DiscJuggler.Net software allows other users on your network to submit CD duplication jobs to the Elite from their desktop. If your network includes access to the Internet, then you can easily download software updates as they become available.

Step 10
Installation of Recording Software

The next installation step is to install the recording software. Click on the DiscJuggler link in Step 2 of the Installation and Support CD. You will have a choice between "OPEN from location," or "SAVETO." This choice will depend on your hardware configuration. If you choose SAVETO, then save to your DESKTOP so you can later delete the setup file.

Note: Keep the Registration Key [DJ4A-0000-0000-0000-00] on the back of the Sleeve handy; you will need to enter this number when installation of the software begins. Pay close attention to the Key and be sure to enter exactly as it is written on the label.
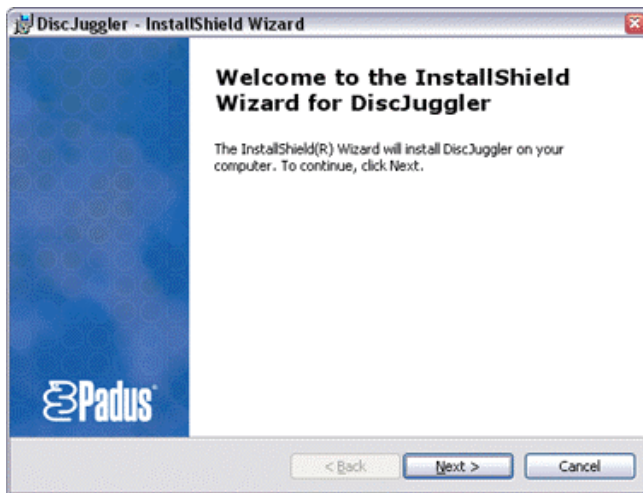
The DiscJuggler installation will begin with this screen. Click Next.
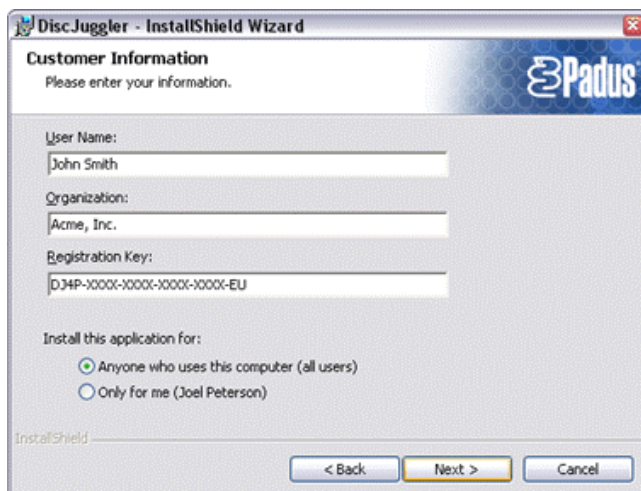
Enter your name and company information and the Registration Key [DJ4A-0000-0000-0000-00] on the back of the CD Sleeve and on the front page of this manual. Pay close attention to the key and be sure to enter exactly as it is written on the label.

Click Complete and Next

The installation is complete. Click Finish and the DiscJuggler Icon will be placed on your desktop.
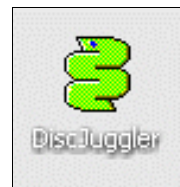
Step 11
Installation of Autoloader Command Console

Next you can install the ACC (Autoloader Command Console) program. This is a utility program used to align and support the Elite unit.

Double click on the install Autoloader Command Console Program and choose Open from location. ACC will install, please follow the instructions.

NOTE: If at the beginning of the installation the installer cannot locate the Microsoft .Net Framework, the program will prompt you to install the .NET Framework. Please follow the instructions and once the .NET Framework is installed, proceed with installation of the Autoloader Command Console.

Once ACC has installed, review the following two pages to understand the features and functions of the ACC.
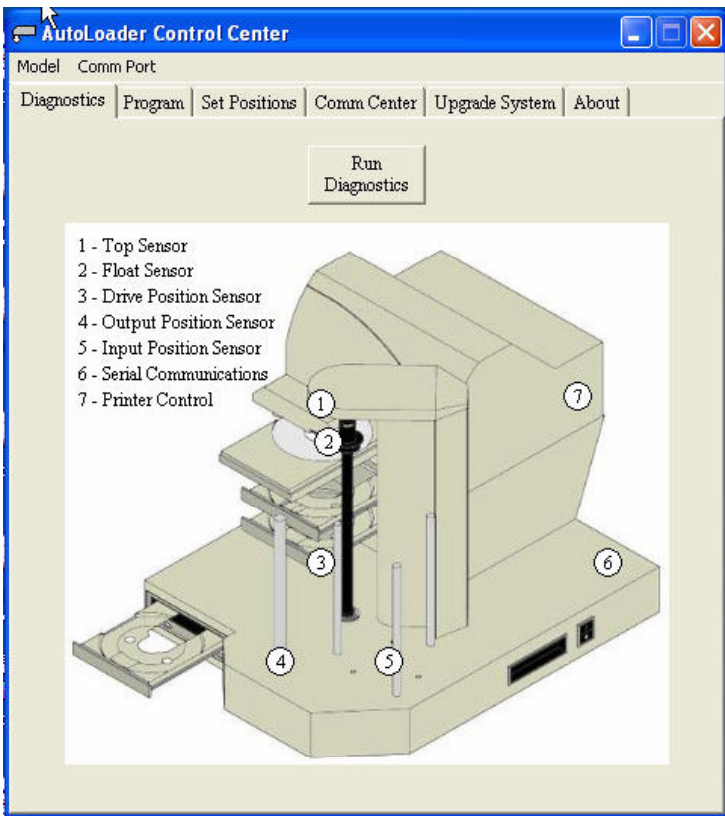
The ACC allow you to troubleshoot and update your Elite unit. If any electrical or mechanical issues occur, run the Diagnostics. The ACC Diagnostic routine will test all functions of the Elite and provide graphical feedback.

The **Comm Port** setting enables you to chose between using COM1 and COM2 when communicating with the Elite. This choice depends upon which of your PC's serial ports you plugged the Elite's serial cable into.
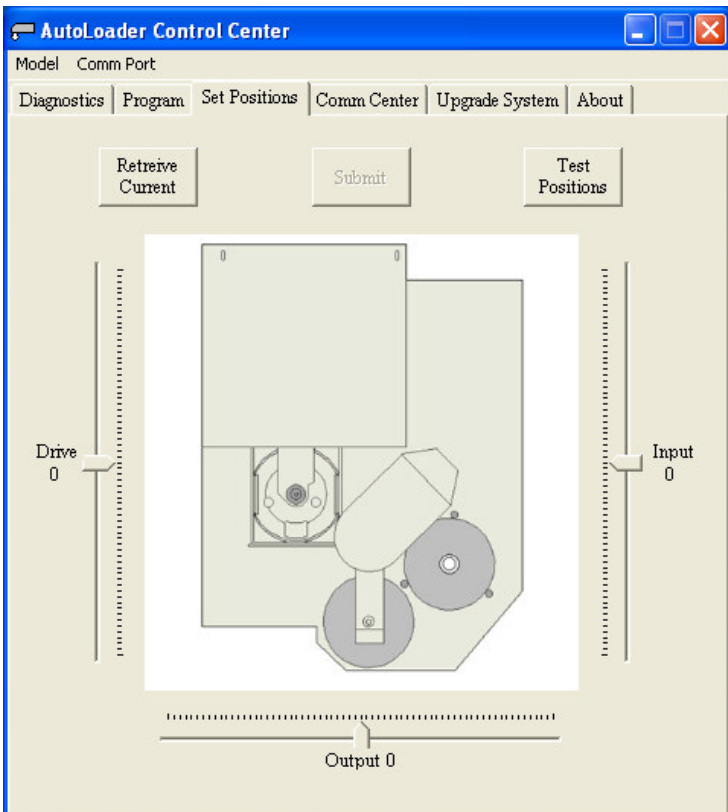

! CAUTION !
This screen allows you to adjust the position of the Picker Arm when placing CDs in the recorder and printer. **DO NOT** change these settings unless instructed to do so by a qualified technician.

This screen provides an easy way to update the Elite's firmware if changes are made in the future.
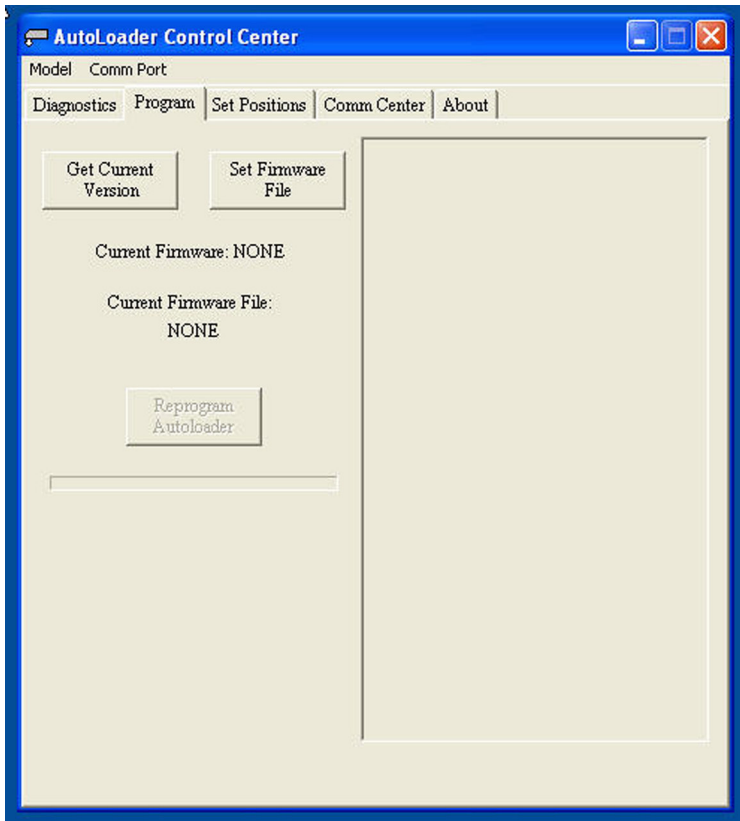
This screen offers an easy way to recalibrate your unit if the need should ever arise.
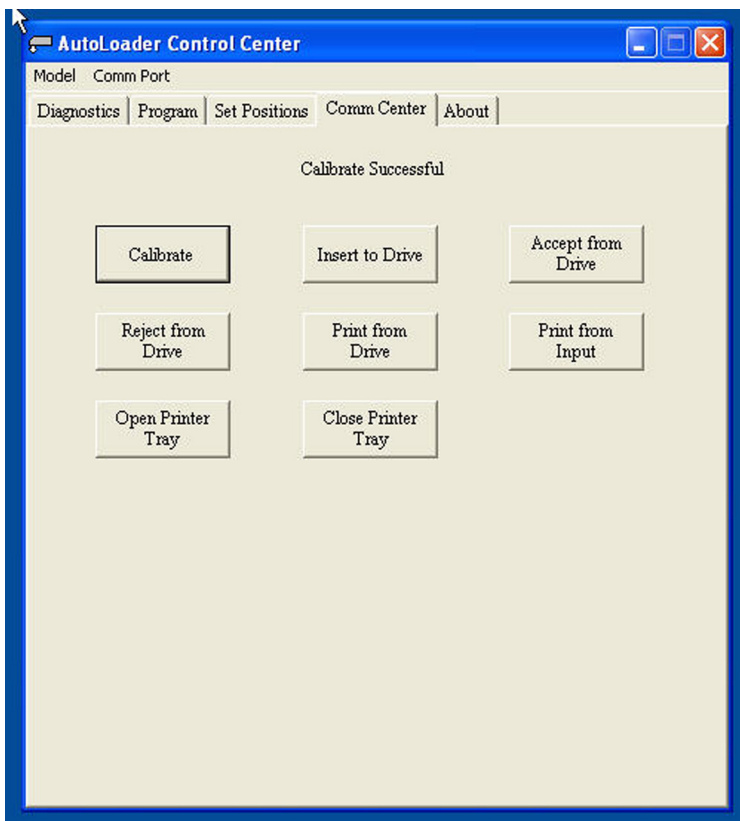
Step 12
Installation of Labeling Software

Locate the Discus CD Labeling Software CDR and insert into your CDROM drive on the PC that is connected to the Elite. Note the CD key on the CD's paper sleeve. It is in the format of XXX-XXX-XXX. This key will be needed to complete the Discus installation.

The menu below will be displayed. Choose install to hard disk. If your CDROM drive is not set to autoplay, open the CDROM and click on *Launcher.exe*. NOTE: Be sure that your PC can handle the 500MB and not affect the minimum requirements of the Elite hardware.
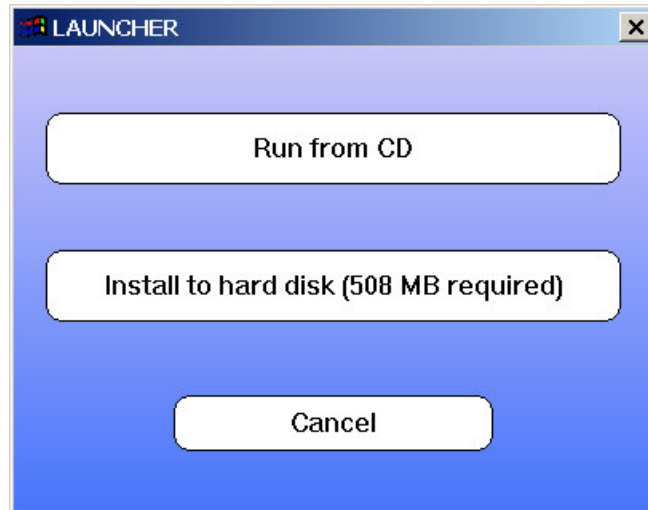
When the Discus Labeling Software begins to install, it will first load Apple QuickTime onto your PC. Following the instructions on the installation. When the screen asks to register the QuickTime, simply click on Proceed without entering anything.

Once the Discus installation is complete, a DiscusLE icon will be placed on your desktop.

Click on the Discus LE icon and verify that Discus installed correctly. The following screen will appear. Type in your Discus key and click the OK button. Close Discus and remove the CDROM.
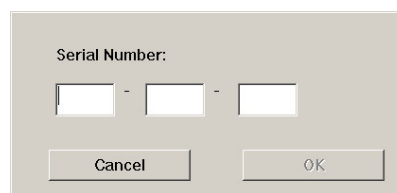

Type in your Discus Key.

Step 13
**Disabling Auto-Insert Notification for your CD ROM Drives**

If your computer automatically tries to play a music CD, or launch a program when a data CD is inserted into your CD ROM drive, then you will need to turn off your computer's "Auto-Run" feature. You **MUST** disable Auto-Run for the Elite's recorder(s). Otherwise, when you insert a master CD to be copied, your computer will try to automatically play or run whatever is on that CD.

One easy way to disable Auto-Run in Windows XP and 2000 is as follows:

Click on the Windows Start button, select Run. Type "regedit" into the space. Click OK.
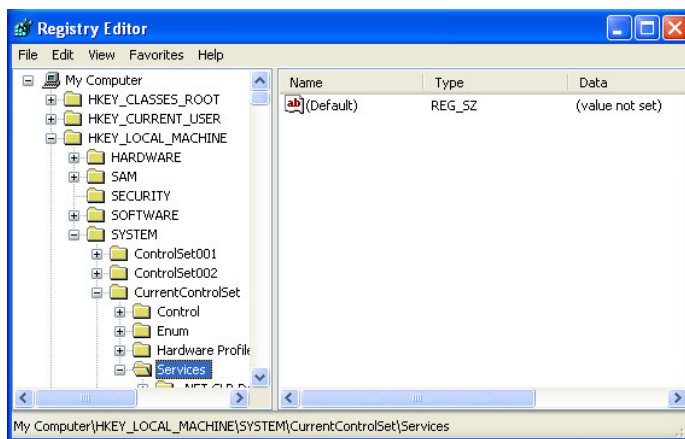

You will see a screen similar to the one at the left. Click on HKEY_LOCAL_MACHINE, then SYSTEM, then Current Control Set, and then Services.
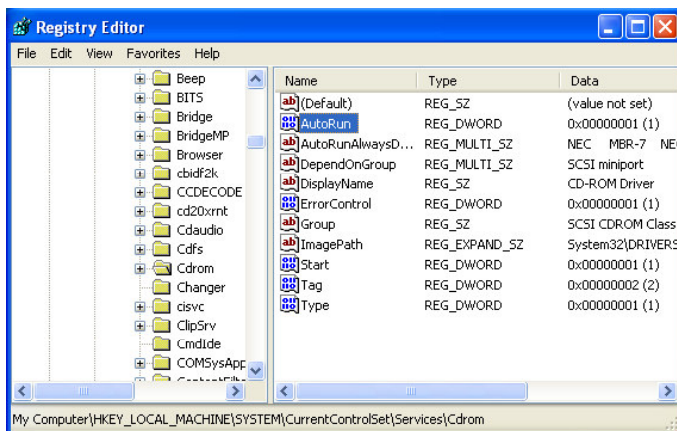
Scroll down until you find a folder called "CDROM" and click on it. On the right side of the screen, you will see an "Autorun" entry. Double-click on the file name and a new window will open, allowing you to change the value from a "1" for enabled, to a "0" for disabled. Below is a picture of this. Click OK and close the Registry Editor.

Reboot your computer.
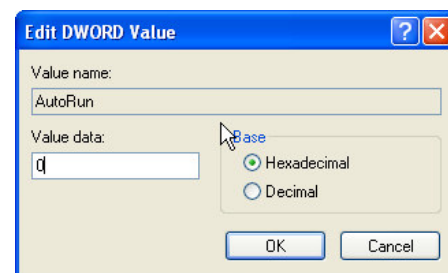
Step 14
**Using Drive Assigner to select Recording Drives & Printing Port**

Before you can use the Elite to duplicate and print CDs, it is necessary to specify which CD/DVD burners and printer port are to be used with the Elite. Ensure that all the cables are properly connected. Turn on the Elite by pressing the **power switch** located on the unit's **front right side**. A small green LED located on the front of the unit should light up.

To run Drive Assigner, select Start, All Programs, Padus DiscJuggler, and click on Drive Assigner. DiscJuggler will review the system and display the devices that it has located. Select the writers that are located in the Elite unit by clicking on the boxes beside the drives. Do not select any non-writing CD ROM drives. Also, **select the appropriate printing port for DiscJuggler to use** when printing CD labels. The Autograph VI will use USB001. Click on Update and then OK when finished with your selection. This process will assign only the recorders of the Elite to DiscJuggler and will set which port the software uses to communicate with your CD printer. The assignment will remain set unless you run the Drive Assigner again and change your settings.
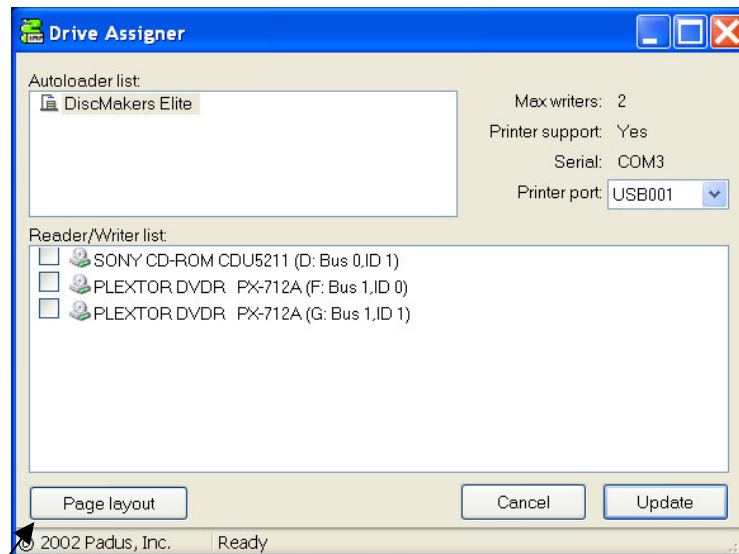
By clicking on the Page layout button, it is possible to define a printable area on the CD so that the CD Text Overlay feature and direct JPEG and BITMAP printing from DiscJuggler is possible. Please note that these methods do NOT give the user as much control as designing the CD label for printing using Discus. JPEG and BITMAP images should be square.

The following values provide a good starting point for printing on CD-R media. They may need to be further adjusted depending on your particular brand of media.
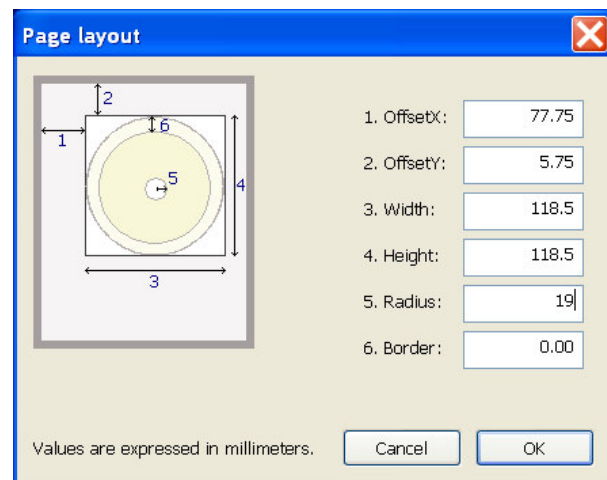
1. Offset X: 77.5 mm
2. Offset Y: 5.75 mm
3. Width: 118.5 mm

4. Height: 118.5 mm
5. Radius: 19 mm
6. Border: 0 mm

Step 15
Loading Blank Media & Using DiscJuggler

Ensure that all the cables are properly connected. If you have not already done so, turn on the Elite by pressing the **power switch** located on the unit's **front right side**. A small green LED located on the front of the unit should light up. If not, check to see that the power supply located at the rear of the unit is turned on and that it is properly connected to a standard working 115V power outlet. You are now ready to start creating and duplicating CD/DVDs.

The next steps will take you through a typical setup and usage of the Elite. It is recommended to follow these steps and produce a test job, then move on to the many other functions and features of the Elite.

Load blank Ink Jet media, data side down, onto the input spindle. The input spindle has three silver rods located around the outside edge of the media. Please be sure the media does not stick together and that the media lays flat in the input spindle. You may use the included gray plastic alignment rod to help ensure that the CDs are properly aligned.

Place a CD-R to be copied on top of the blank media in the input spindle. This will be the 'master' for this test run. Use an image of 30 MB or less to allow the test run to be faster.

On the Desktop, click on the **DiscJuggler ICON** and DiscJuggler will run.

Click on **File**, choose **New** and the panel below will open.

Choose **Copy CDs and DVDs from the same burner**
(This task will take the CD on the top of the Input Stack, load a temp image to the hard drive and copy from the temp image.)
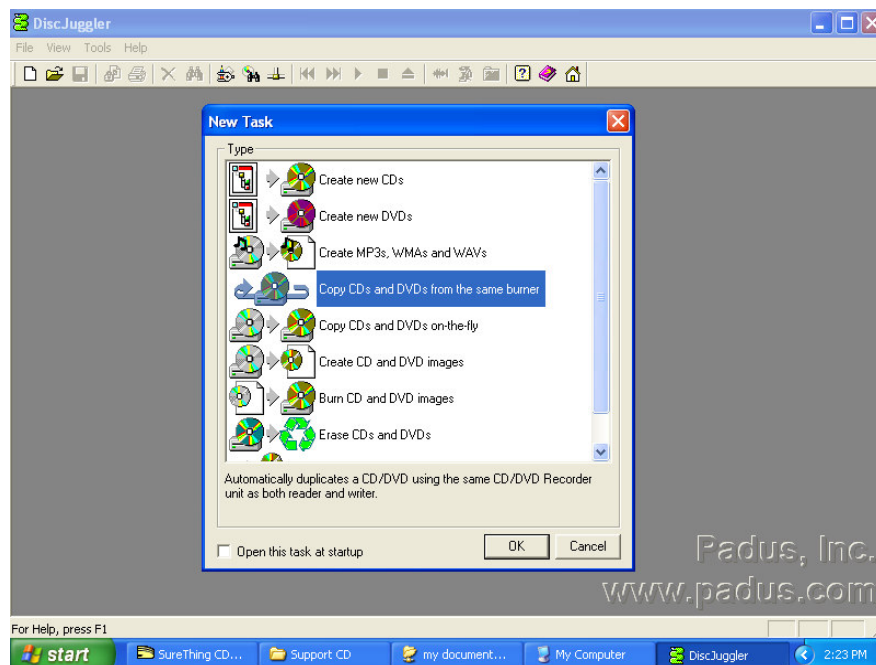

Screen of Start of a New Job

After you have selected **Copy CDs and DVDs from the same burner**, the panel below will open. Choose **ACTION** from the upper right section. On the PULL DOWN select **Write and Print** if you have a CD/DVD printer. Otherwise, select **Write**.
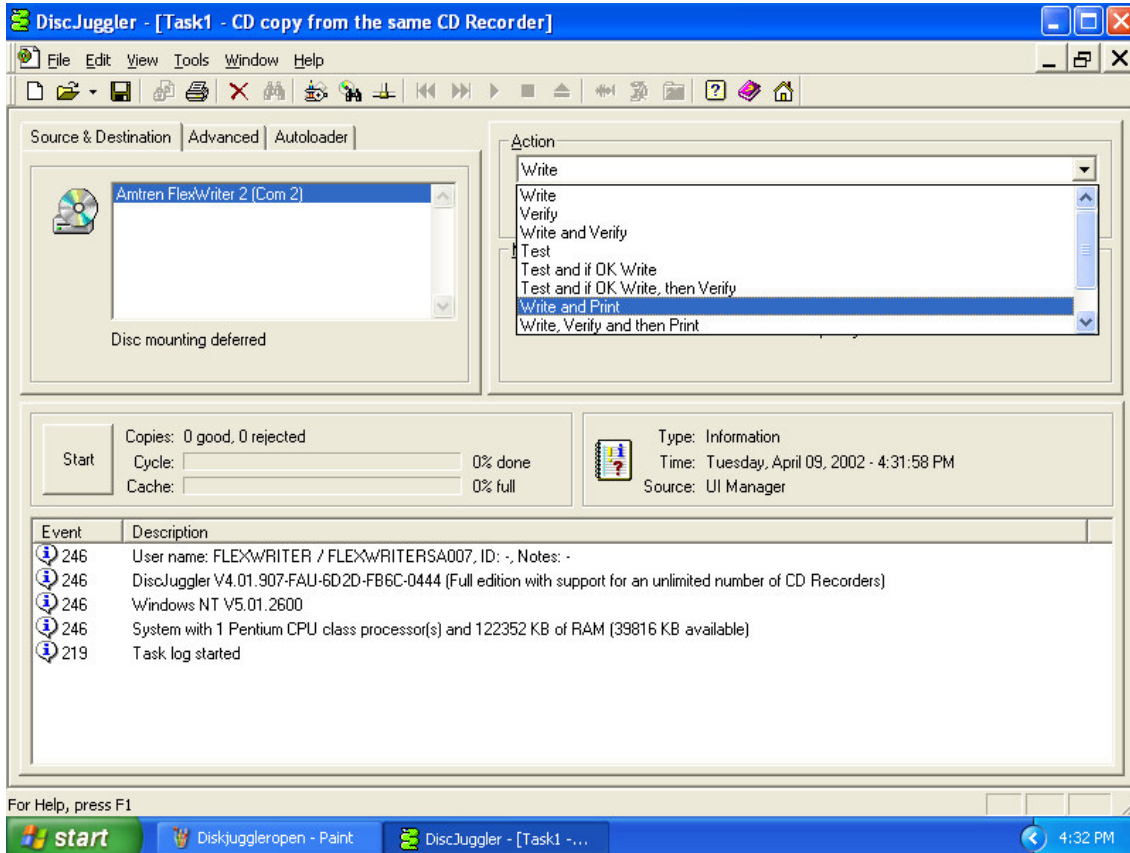
Under the **Source and Destination** tab, ensure that the Elite unit is selected, and **NOT** a recorder on your PC. Next, enter the number of **Copies** or disks you want to produce. We have chosen 25 as shown below:

Below **Copies** is an option called **Method**. The "slider bar" allows you to select your recording speed. The maximum possible speed will depend upon the model of recorder in your unit and the type of media you are using. Since nearly all the CDR and DVDR media on the market today will burn at 24X and 2X respectively, we suggest those as the initial default recording speeds. Once you successfully complete your first job, you can try to burn at higher speeds. Results will vary depending on which brand and type of media you use.
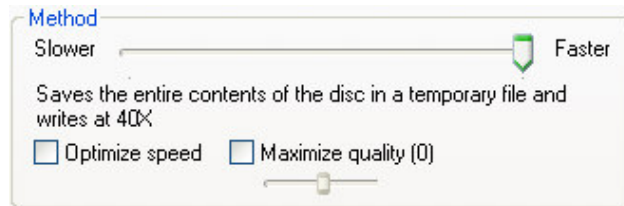
Burn Speed Selector

*Once you have found a burning speed that works well with your media, you can make that speed the default. To do this, click on the **Tools** menu located at the top of the DiscJuggler window. Then click on the **Options** menu. Next, click on the **Defaults** tab if it is not already selected. You will see the following window.*
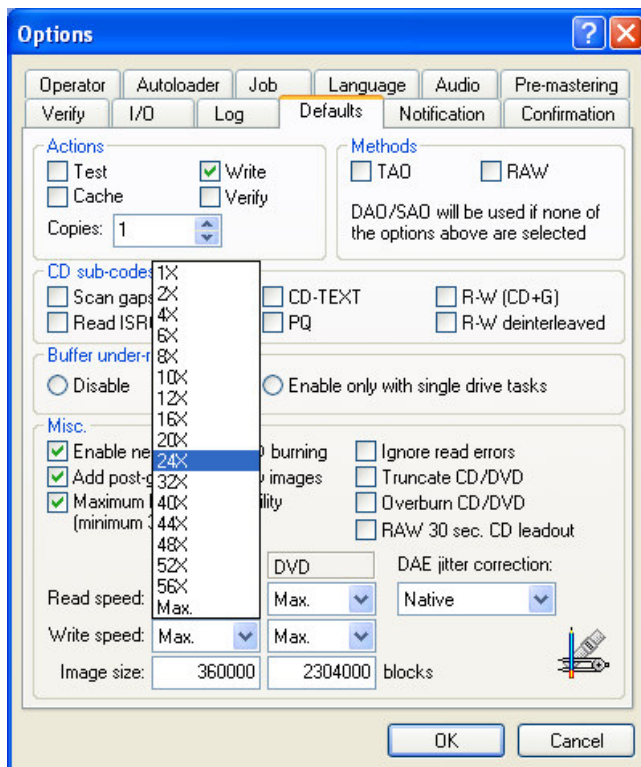

Here, you can change the default write speed for CDs and DVDs to the speeds that work best with your media.

**STEP 16**
DESIGN PRINT IMAGE (LABEL) FOR MEDIA

Note: You must be using an Autograph VI CD Printer in the following steps. If you are using another printer refer to documentation that includes your printer.

Next you have to prepare a print image that can be used by the DiscJuggler software to print text or graphics on top of the media. To do this you will have to use the Discus labeling software provide with the Elite. Minimize the DiscJuggler software and on the Desktop, click on the Discus CD Labeling ICON. The Discus software will open.
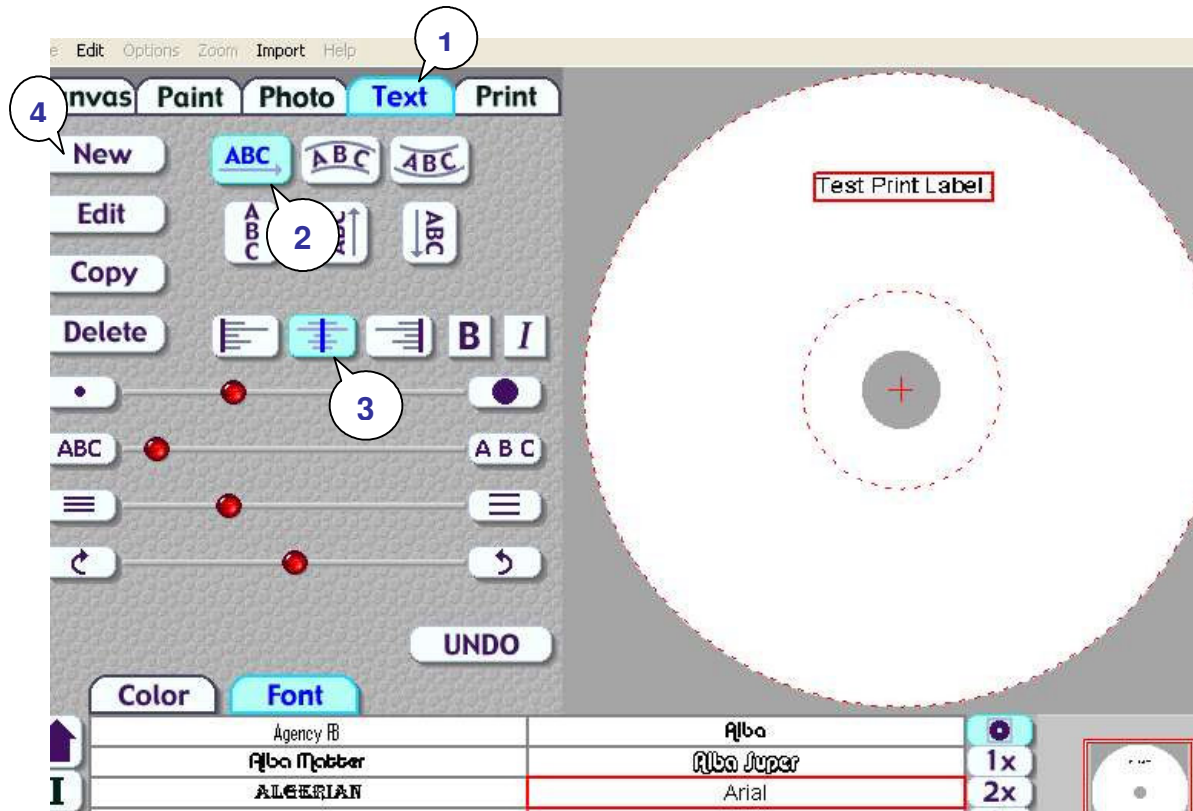
When the Discus screen below opens, click on **CD/DVD Label**.
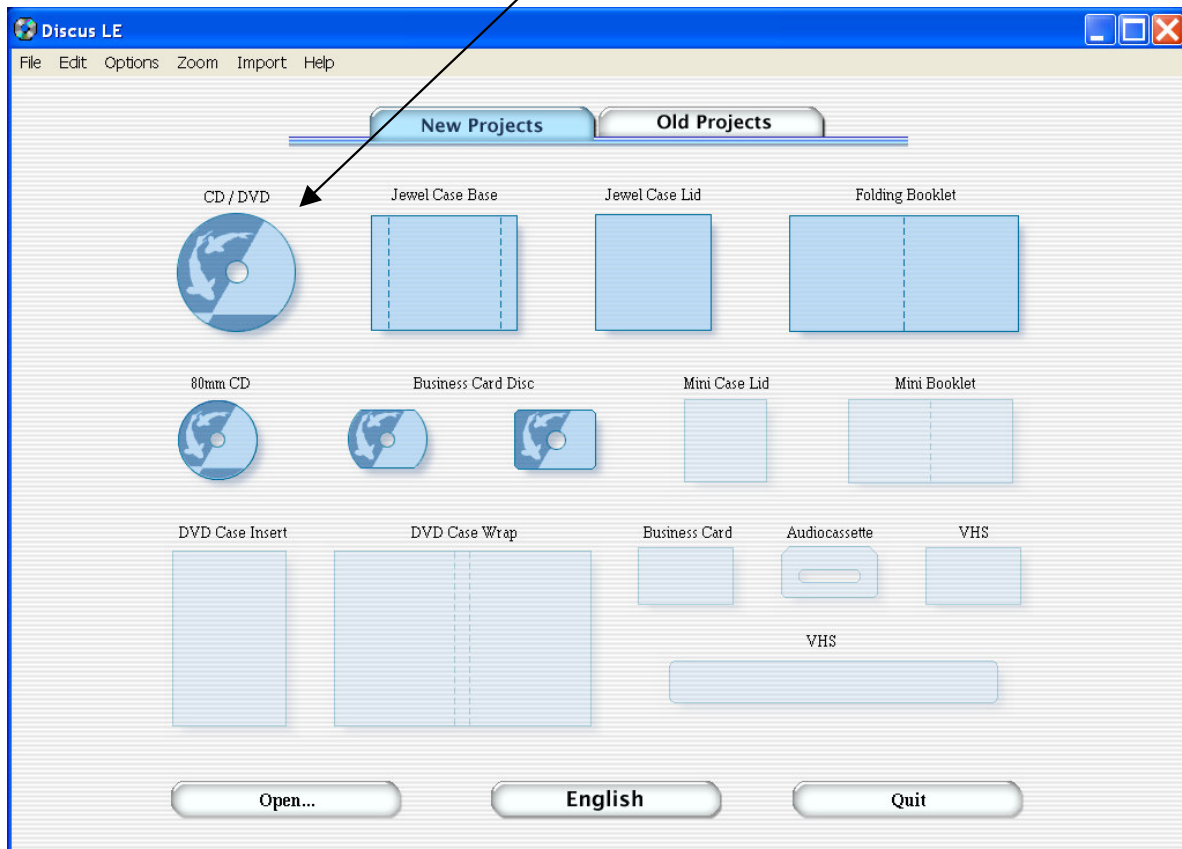
Choose the **Print** folder at the top. Verify that Discus is set for the **Autograph VI**.
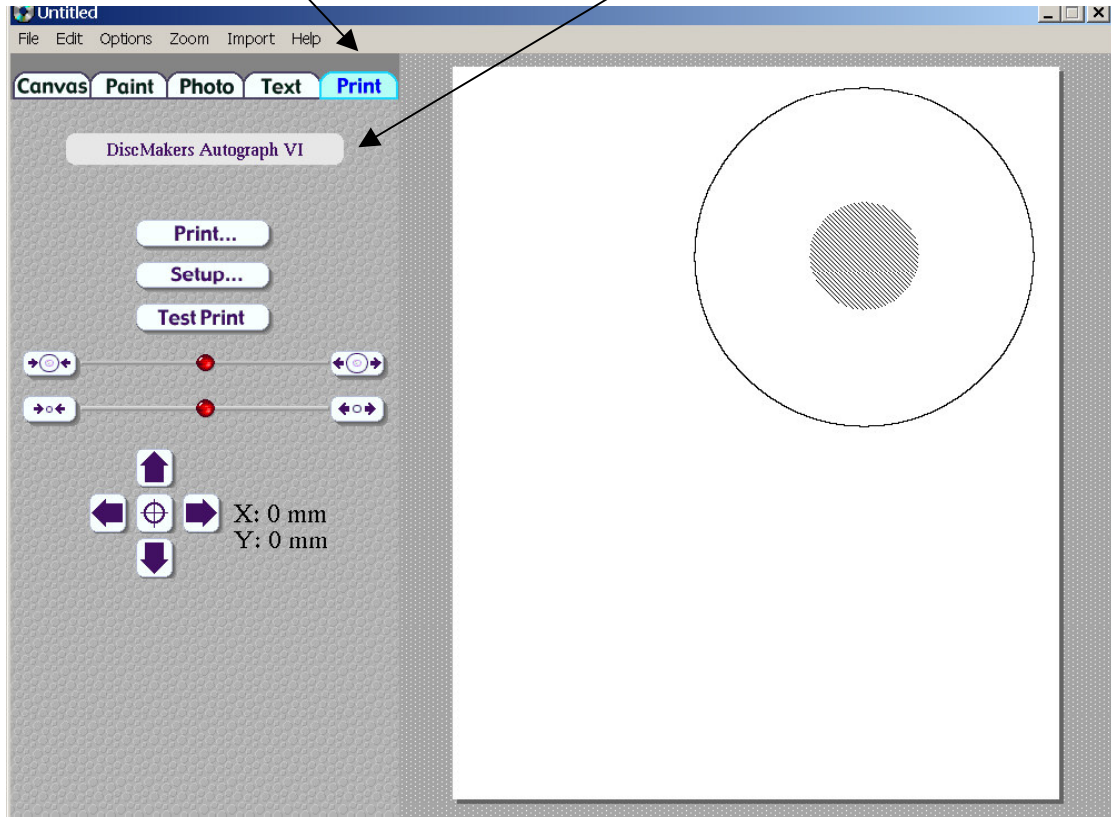
Choose the **Text (1)** folder at the top. Click on an **ABC (2)** button and the **Centered (3)** button. Then click on the **New (4)** button. Type in the text as shown in the figure below.

Once you have completed your test label, save it by clicking on File and save. Choose a path that will be easy to access from DiscJuggler, such as My Documents or the Desktop.

Click on the **Print** folder.
Click on the **Print** button. A Printer Display similar to the one shown in the figure below will be displayed.
Make sure that the **Autograph VI** is selected under Printer Selection.
Choose **PRINT TO FILE**. In order for DiscJuggler to use the label file, it is necessary to create a print file.
Click on **PRINT** button.
Type in the print file name: (i.e. **printtest.prn**)   **YOU MUST ADD THE .PRN EXTENSION**.
Click the **OK** button.
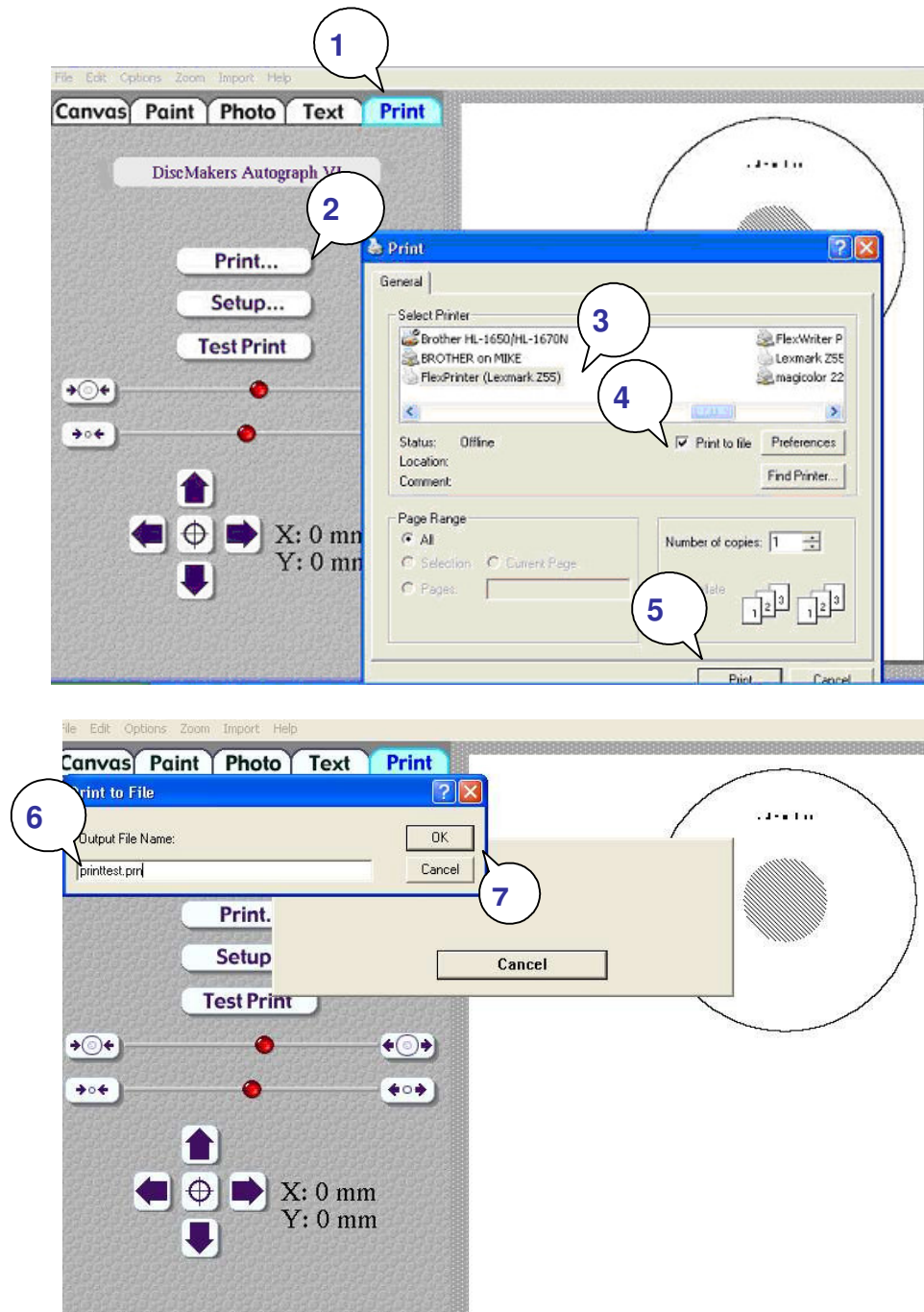
Note that you will have to choose a file name for the PRINT (PRN) file. This can be the same as your label file; however, <u>it is necessary to include the ".prn" at the end of the name</u>. In the example below we have created printtest.prn

Click on OK and the Discus Label Software will create the prn file in the same location that you saved your label file.

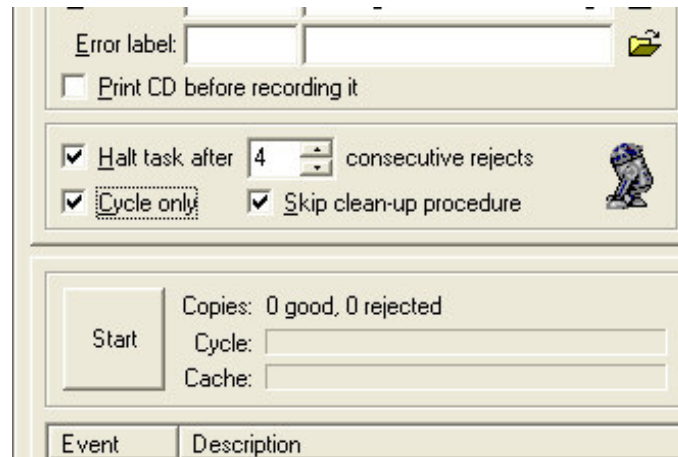*Note this may be slightly different if you use Windows 2000.*
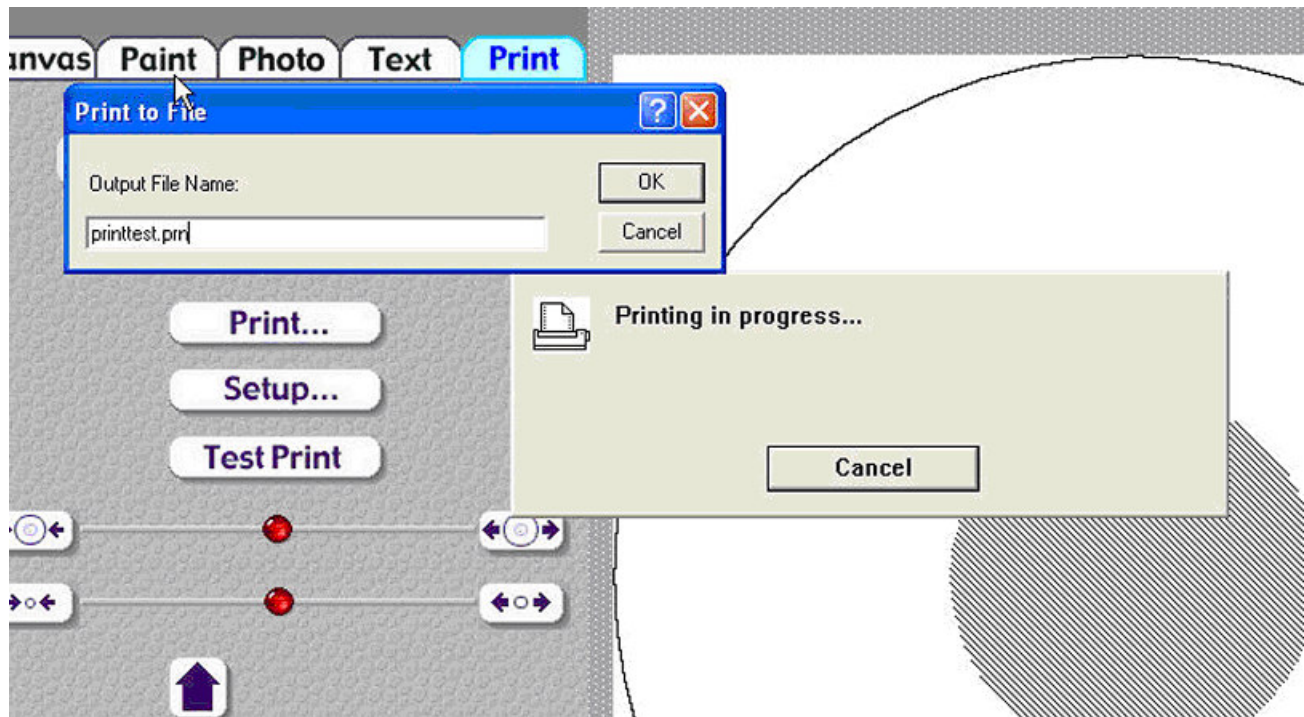
STEP 17
SET PRINT IMAGE FOR DiscJuggler

Now you have to provide the label print file location to DiscJuggler. From the DiscJuggler Software choose the **AUTOLOADER** tab on the upper left section. Then click on the folder ICON to the right of the **GOOD LABEL** file panel. Then choose **BROWSE** and point to the directory in which you stored your print images and choose the printtest.prn file or the one that you created. Choose the OPEN option and DiscJuggler will place this file and location into the Good Label section.

1 Setup Guide
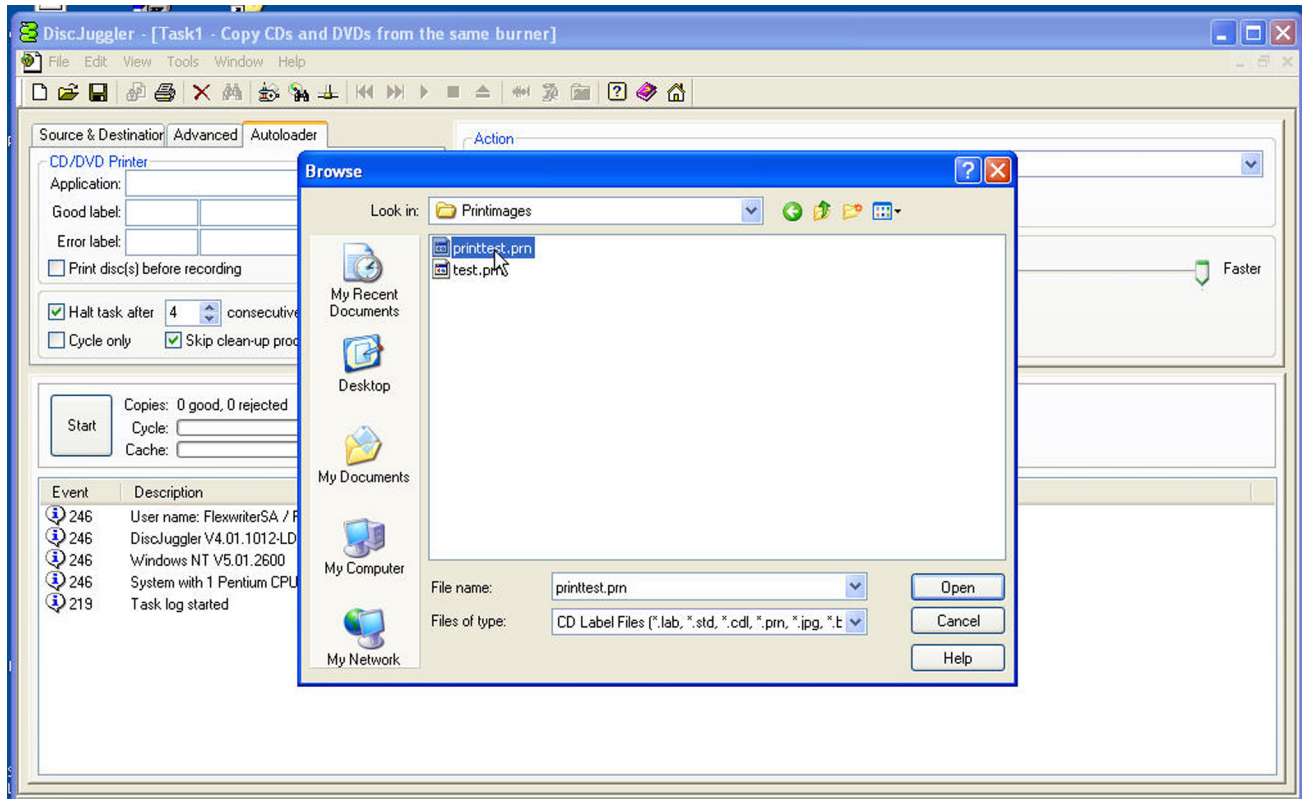
Step 18
Cycle Only Option

As an option you can elect to "cycle only" and the software will not "RECORD" onto the media. Instead it will run through all functions BUT RECORD. Check the Cycle Only box to skip recording. Note that if a valid .PRN file was selected for printing, DiscJuggler **will** print on the CDs in "cycle only" mode.
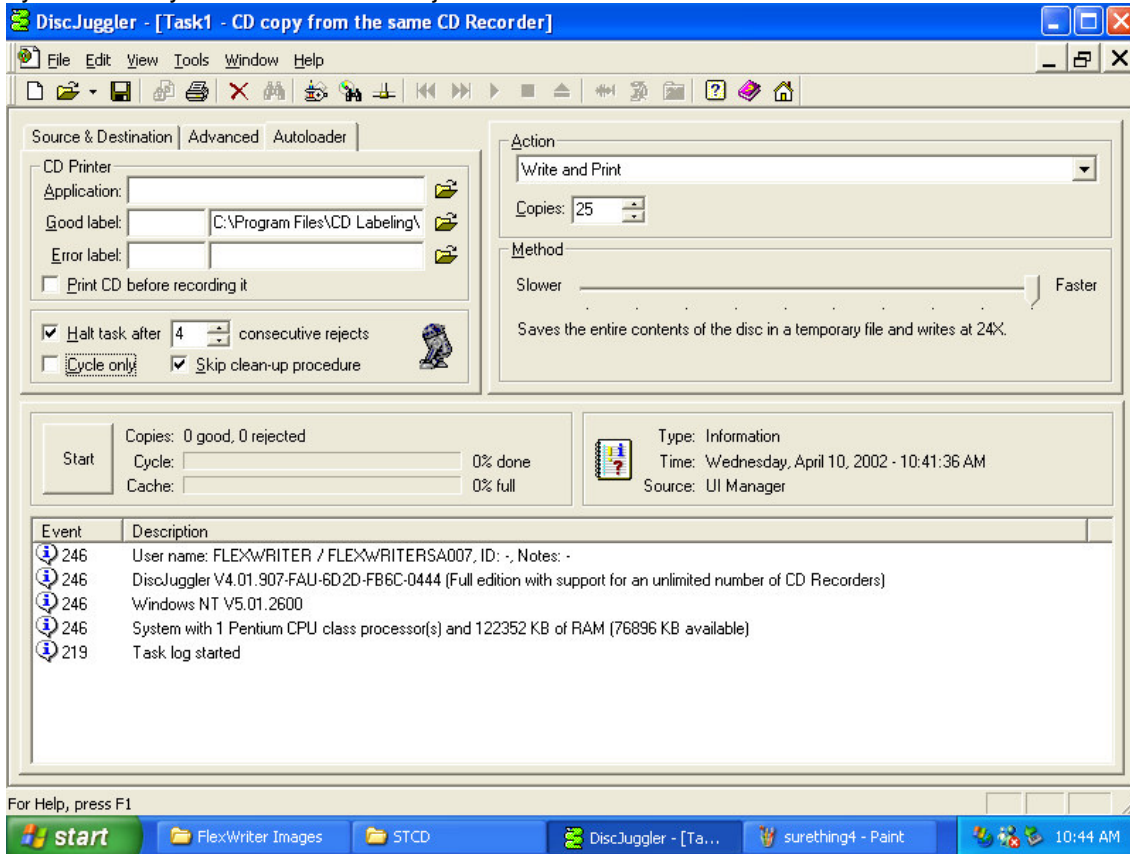
Step 19
Start The Job

Now you are ready for the unit to start a job. Click on the **START** button.

The Elite should move to the input spindle, pick up the 1st CD (your master) and place it into one of the recorders. The image on the CD will be copied to the hard drive. Then the CD Master will be removed from the Drive and placed on the output spindle. Then the Elite will place a blank CD from the input spindle into each of your CD recorders. Next, the image will be recorded onto the media. After that, the Elite will pick up the recorded disk from one of the recorders and carry it to the top of the column and wait for the CD Printer to open. The recorded CD will be placed into the printer tray and the CD will be printed. After printing, the Elite will pick up the CD from the printer and place it on the output spindle. This will repeat for each of your recorders. Once all your recorders are empty, the Elite will take more blank CDs from the input spindle and reload the recorders. This cycle will continue until the 25 copies are completed.

If the unit is trying to use a CD recorder on your PC, or if you get an error message when trying to print, please read the **Using Drive Assigner** section located on the next page of this guide for some steps to correct the problem.

Please observe the operation and verify that everything works smoothly. If anything does not work, back track and review your steps. If you cannot find the problem please call customer service and one of our technical support staff will gladly assist.

Using Drive Assigner

If Your Unit is trying to use CD/DVD Recorders on your PC, try the following:
Due to the fact that DiscJuggler is an open platform that looks at the entire PC system for writers, it can sometimes try to assign your PC's internal writer to the Elite.

Follow this procedure to eliminate this occurrence:

Select Start, All Programs, Padus DiscJuggler, and click on Drive Assigner.
DiscJuggler will review the system and display the devices that it has located. Select the writers that are located in the Elite unit by clicking on the boxes beside the drives. Also, **select the appropriate printing port for DiscJuggler to use** when printing CD labels. Click on Update and then OK when finished with your selection. This process will assign only the recorders of the Elite to DiscJuggler and will set which port the software uses to communicate with your CD printer. The assignment will remain set unless you run the Drive Assigner and change your settings.

If you have an Autograph VI and get an error message and cannot print after a CD is placed in the printer, please read the above paragraph for details on how to select the proper USB printing port for the printer.
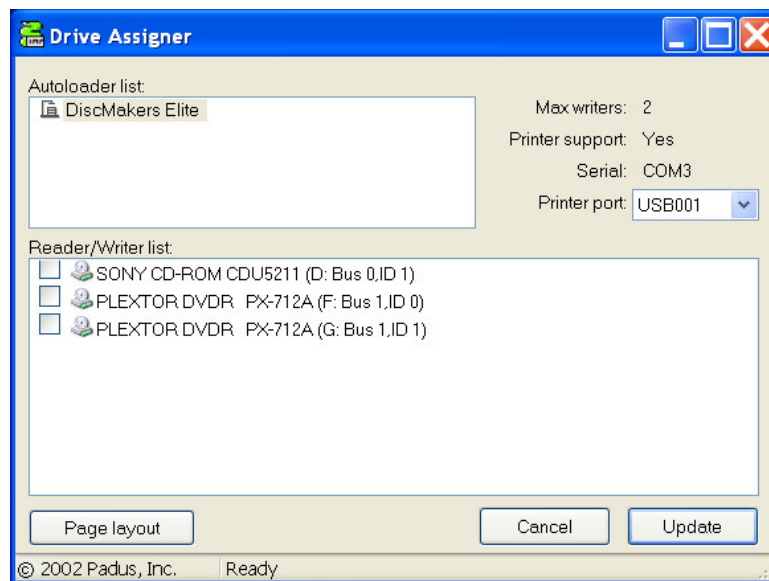
Troubleshooting the Elite

The Elite systems is comprised of 4 basic systems that all work together similar to a PC, Scanner and Printer configuration.

Generally any items that come up can be isolated to one of the following components:

1) PC System / Windows® Program / USB Interface
2) Loader Unit
3) DiscJuggler Copy Software
4) CD Printer / Labeling Software

If you have difficulty with any one of the four systems, you can run separate tests on each to verify and correct the problem.

On the PC System, click on the **MY COMPUTER Icon and view the connected components. Verify that the CDR/DVDR drives are accessible. If not, there may be a USB Interface or cable connection problem.**

Run DiscJuggler and view the explorer. Are all the components shown? Loader, Drives etc. if not then you may have to check the PC and hardware connection. DiscJuggler has online help that can assist in solving most problems within the CDR Software.

If you have any problems that you cannot solve, call our toll-free service line.