



User's Manual

105-296-01 Revision B 5/13/2009

Copyright © 2009 CognitiveTPG - 1.800.732.8950

1

CognitiveTPG[™] and Advantage DLX[™] are trademarks of ATSI Holdings, Inc. Microsoft[®] and Windows[™] are trademarks of Microsoft Corporation. Other product and corporate names used in this document may be trademarks or registered trademarks of other companies, and are used only for explanation and to their owner's benefit, without intent to infringe.

All information in this document is subject to change without notice, and does not represent a commitment on the part of Cognitive. No part of this document may be reproduced for any reason or in any form, including electronic storage and retrieval, without the expressed written permission of CognitiveTPG. All program listings in this document are copyrighted and are the property of CognitiveTPG and are provided without warranty.

To contact CognitiveTPG:

Mailing Address

CognitiveTPG 25 Tri-State International, Suite 200 Lincolnshire, IL 60069

E-Mail: sales@CognitiveTPG.com

Toll Free: +1.800.732.8950

Fax: +1.847.383.7949

Technical Support: +1.800.732.8950 x 4 or +1.607.274.2500 x 4

Supplies Information: +1.800.732.8950 x 2

Table of Contents

Chapter 1 : Introduction	5
Welcome	5
Package Contents	5
Operating Environment	5
Storage and Transportation Environment	5
Printer Feature Overview	6
Front/ Rear View	6
Inside View	7
Chapter 2 : Printer Installation	8
Setting up the Advantage DLX Printer	8
Connecting the Interface and Power Cables	8
Loading Thermal Transfer Ribbon	9
Loading Media	11
Chapter 3 : Software Installation	12
Installing CognitiveTPG Administrator & Loading Print Driver	rs.12
Windows® Driver Installation	12
Installing Printer via USB	12
Installing Printer via Serial/Parallel	13
Chapter 4 : CognitiveTPG Administrator	16
Connection Settings	16
Connecting Via USB	16
Connecting Via Serial	16
Connecting Via Ethernet	16
Serial Connection Parameters	17
Ethernet Connection Parameters	17
Printer Settings	17
Print Speed	17
No-Media Timeout	17
Debug Report Level	18
Auxiliary Power ON	18
Enable Automatic Reprint	18
Media Adjust	18
Pitch	18
Darkness	18

Primary Language	19
Thermal Mode	19
Label Positioning	19
Print Width	19
Auto Recalibration	19
Auto Top Of Form	19
Indexing	19
Label Presentation	20
Top of Form Adjust	20
Shift Left	20
Fonts and Objects	20
Loading Fonts and Objects	20
Deleting Fonts and Objects	20
Profile Management	21
Obtaining Printers Current Profile	21
Saving the Current Printer's Profile	21
Applying a Saved Profile to the Printer	21
Updating Firmware	22
CPL Editor	22
Chapter 5 : Advanced DLX Features	23
USB A Port	23
Loading Firmware Using a USB Flash Drive	23
Changing Printer Settings Using a USB Flash Drive	23
Loading Formats Using a USB Flash Drive	24
Chapter 6 : Cleaning and Maintenance	25
Cleaning the Printer	25
Cleaning the Thermal Printhead and Platen	
Cleaning Supplies	
Chapter 7 : Troubleshooting	27

Chapter 1: Introduction

Welcome

Congratulations on the purchase of a CognitiveTPG Advantage DLX thermal label printer. With its 2-year warranty and durable design, the Advantage DLX provides professional quality label printing and performance.

CognitiveTPG is committed to providing a reliable product and user experience. This User's Manual provides information on how to install the printer and includes all necessary user support information.

Package Contents

The Advantage DLX box will contain the following parts:

- (1) Advantage DLX Printer
- (1) Start-Up Guide
- (1) Data Cable (Serial and Parallel models come with Serial or Parallel cables, USB and Ethernet models come with a USB cable)
- (1) 110-240V Switching Power Supply
- (1) Power Cord

Operating Environment

- 41° F to 104° F (5° C to 40° C)
- 20% to 85 % non-condensing R. H. (relative humidity)

Storage and Transportation Environment

- -4.0° F to 122° F (-20° C to 50° C)
- 5% to 95% non-condensing R. H. (relative humidity)

Printer Feature Overview

Please take a moment and become familiar with the features and nomenclature of the Advantage DLX printer.

Front/ Rear View





mponent Fur	iction
- Power and Ready Indicators Ind	icate current printer status
- Feed Button Adv	vances media
- Dust Cover Pro	tects media from dust and debris
- On/Off Switch Tur	ns printer power On/Off
- Power Connector Inp	ut for auto-ranging power supply
Serial/Parallel Port Ser	ial and Parallel communications port
- USB B US	B Device port
- USB A US	B Host Port
Feed ButtonAdv- Dust CoverPro- On/Off SwitchTur- Power ConnectorInpr- Serial/Parallel PortSer- USB BUSI- USB AUSI	vances media tects media from dust and debris ns printer power On/Off ut for auto-ranging power supply ial and Parallel communications port B Device port B Host Port

NOTE: ETHERNET MODEL NOT PICTURED.

Inside View





Component	Function
A – Printhead	Printing mechanism
B – TT Spindle	Ribbon take up spindle
C – Platen Roller	Friction feed printing surface
D – Printhead Latches	Latches for printhead mechanism
E – Media Tray	Place label rolls in media tray
F – Media Guide	Guides label roll

Chapter 2: Printer Installation

Setting up the Advantage DLX Printer

Connecting the Interface and Power Cables

IMPORTANT! PRIOR TO CONNECTING THE INTERFACE AND POWER CABLE TO THE PRINTER, MAKE SURE THAT THE PRINTER IS TURNED OFF.

- 1. Connect the power cable to the AC adapter.
- 2. Connect the AC adapter to the power connector on the printer.
- 3. Plug the power cable into an AC outlet.
- 4. Connect the interface cable to the rear of the printer. For Serial or Parallel cables, securely fasten the interface connector screws.
- 5. Test the Power by turning the power ON. The **POWER** LED on the printer will turn green.

NOTE: IF THE POWER LED DOES NOT TURN GREEN REPEAT STEPS 1-5 OR REFERENCE THE TROUBLESHOOTING CHART (CHAPTER 7).





Chapter



Loading Thermal Transfer Ribbon

NOTE: THIS STEP IS FOR THERMAL TRANSFER MODEL ADVANTAGE DLX PRINTERS. USE ONLY COGNITIVE APPROVED THERMAL RIBBON. FOR MORE INFORMATION ON COGNITIVETPG APPROVED SUPPLIES CONTACT US AT 800-732-8950 EXT. 2.

1. Position ribbon in front of printer and raise the dust cover.

NOTE: RIBBON SHOULD BE POSITIONED WITH THE SUPPLY CORE CLOSEST TO THE PRINTER AND THE TEXT ON THE RIBBON LEADER FACING DOWN.

2. Unlatch the printhead and fully raise the printhead mechanism.

3. Place the left side of the ribbon supply core into the left supply core spindle.

4. Gently pull the right spindle tab and place the right side of the ribbon core on the spindle.









- 5. Lower the print head. Do not latch the printhead at this time.
- 6. Align the notches on the left side of the ribbon take up core with the left spindle.

7. Gently pull the right take up spindle and insert the right side of the ribbon take up core.

REMINDER: THE TEXT ON THE RIBBON LEADER FACES OUT.

8. Latch the printhead and turn the Power ON to take up the slack in the ribbon leader.

HELPFUL TIP: THE ADVANTAGE DLX WILL TAKE UP ANY EXCESS RIBBON UPON LATCHING THE PRINTHEAD.







Loading Media

NOTE: USE ONLY COGNITIVETPG APPROVED MEDIA. FOR MORE INFORMATION ON COGNITIVETPG APPROVED SUPPLIES CONTACT US AT 800-732-8950 EXT. 2.

- 1. Raise the dust cover.
- 2. Place the media roll in the media tray keeping the media guide to the right hand side.
- 3. Slide the media guide to the left until it is holding the roll firmly against the left wall of the media tray.
- 4. Unlatch and raise the printhead mechanism.
- 5. Guide the media through the opening under the printhead mechanism remembering to keep the media face up.
- 6. Securely latch the printhead.
- 7. Print a Self Test. Press and hold the feed button while turning the print ON to print a Self Test.

NOTE: AFTER PRINTING A SELF TEST THE PRINTER IS IN HEXIDECIMAL DUMP MODE. CYCLE THE PRINTER'S POWER TO RETURN TO NORMAL OPERATION.

HELPFUL TIP: ENABLE AUTOMATIC TOP OF FORM AND THE ADVANTAGE DLX WILL ADVANCE TO THE NEXT INDEX MARK WHEN THE PRINTHEAD LATCHES OR THE PRINTER IS TURNED ON (CHAPTER 4).











Chapter 3: Software Installation

Installing CognitiveTPG Administrator and Loading Print Drivers

- 1. Go to http://www.CognitiveTPG.com/Downloads_18.aspx using your Internet Browser.
- 2. Follow the applicable instructions under the Utility Section.

NOTE: DOWNLOADING COGNITIVETPG ADMINISTRATOR WILL INSTALL THE UTILITY PRINT DRIVERS. THE COGNITIVETPG ADMINISTRATOR UTILITY IS REQUIRED FOR CONFIGURING, TROUBLESHOOTING AND UPDATING THE ADVANTAGE DLX PRINTER.

Windows® Driver Installation

Installing Printer via USB

IMPORTANT! COGNITIVETPG ADMINISTRATOR AND THE PRINTER DRIVERS MUST BE LOADED PRIOR TO INSTALLING THE PRINTER. PLEASE REFER TO THE SECTION TITLED **INSTALLING COGNITIVETPG ADMINISTRATOR AND PRINT DRIVERS.**

- 1. Connect the printer via the USB cable to the host system and the **Found New Hardware Wizard** will appear.
- 2. Select No, not at this time and click Next.







- 4. Select **Include this location in the search**, and then click the **Browse** button.
- 5. Select the location: C:\Program Files\Cognitive Solutions Printing Support\Driver Files and click Next.

6. Click Continue Anyway.

7. Click **Finish** to complete installation.

Installing Printer via Serial/Parallel

IMPORTANT! COGNITIVETPG ADMINISTRATOR AND THE PRINTER DRIVERS MUST BE LOADED PRIOR TO INSTALLING THE PRINTER. PLEASE REFER TO THE SECTION TITLED **INSTALLING COGNITIVETPG ADMINISTRATOR AND PRINT DRIVERS** (CHAPTER 3).

- 1. Connect printer to the host system using the included serial or parallel cable.
- 2. Select the Start menu in Windows®.
- 3. Select Settings and choose Printers and Faxes.



und New Hardware Wizard

- 4. Select **Add a printer** and the **Add Printer Wizard** will appear.
- 5. Click Next.

6. Select Local printer attached to this computer and click Next.

7. Select **Use the following port:** and choose the appropriate Serial or Parallel port, then click **Next.**

8. Select the appropriate printer model from the available list of printers and click **Next**.





Add Printer Wizard						
Install Printer Software The manufacturer and model determine which printer software to use.						
Select the manufacturer and disk, click Have Disk. If you compatible printer software.	d model of your printer. If your printer came with an installation ir printer is not listed, consult your printer documentation for					
Manufacturer	Printers 🔼					
Bull	Cognitive DLX 4 inch TT					
Lanon	Cognitive DLX 2 inch TT					
C-Itoh	Cognitive DLX 2 inch DT					
Cognitive 🗸	Cognitive DLX 4 inch DT					
This driver is not digitally signed! <u>Windows Update</u> <u>Have Disk</u> <u>Iell me why driver signing is important</u>						
	< <u>B</u> ack <u>N</u> ext> Cancel					

Add Printer Wizard
Use Existing Driver A driver is already installed for this printer. You can use or replace the existing driver.
Cognitive DLX 2 inch DT
Do you want to keep the existing driver or use the new one?
Keep existing driver (recommended)
<u>Replace existing driver</u>
< <u>B</u> ack <u>N</u> ext> Cancel

d Printer Wizard
Name Your Printer You must assign a name to this printer.
Type a name for this printer. Because some programs do not support printer and server name combinations of more than 31 characters, it is best to keep the name as short as possible.
Printer name: [Cognitive DDK 2 inch DT (Copy1)]
Do you want to use this printer as the default printer?
O⊻es
⊙ No
< <u>₿</u> ack <u>N</u> ext > Cancel

10. Provide a **Printer name:** and select if the Advantage DLX will be the default printer

then click Next.

9. Select Keep existing driver

(recommended) and click Next.

- 11. Select **Do not share this printer** then click **Next.**
- 12. Select No when asked Do you want to print a test page? then click Next.
- 13. Select **Finish** completing the installation of the Advantage DLX printer.



IMPORTANT! IF THE BAUD RATE BETWEEN THE HOST SYSTEM AND THE ADVANTAGE DLX PRINTER ARE NOT EQUAL THE PRINTER WILL NOT PRINT. THE DEFAULT BAUD RATE FOR THE ADVANTAGE DLX IS 9600.



Chapter 4: CognitiveTPG Administrator

CognitiveTPG Administrator is a Java based utility designed for installation on various operating system platforms. Administrator allows complete control over the profiles and settings of the Advantage DLX printer.

Connection Settings

Connecting Via USB

- 1. Select the **System Printer Connection** radio dial.
- 2. Select the appropriate printer from the **Printer Name** drop down menu.
- 3. Click **Connect**.

NOTE: WHEN THE PRINTER IS PROPERLY CONNECTED COGNITIVE ADMINISTRATOR WILL DISPLAY CONNECTED IN A GREEN BOX IN THE UPPER RIGHT HAND CORNER.

Connection Parameters Serial Connection
_hookrebey
Solid Sec.
Tuffer Overfine:
Acon Potterin
Natwork Connection
and the second s
Service Contract Contract
Cateroget 1000 XXX 2000 XXXX
1991 1991 1991 1991 1991 1991 1991 199
00
Carts

Connecting Via Serial

- 1. Select the Use Serial Connection radio dial.
- 2. Select the Com port to which the printer is connected.
- 3. Select the printer's baud rate setting.

Note: THE ADVANTAGE DLX DEFAULT BAUD RATE IS 9600.

Connecting Via Ethernet

- 1. Select the Use Network Connection radio dial.
- 2. Input the printer's IP Address.
- 3. Input the printer's RTEL port number.

HELPFUL TIP: PRINT A SELF TEST TO DETERMINE THE PRINTER'S CURRENT SETTINGS. A SELF TEST CAN BE PERFORMED BY HOLDING THE FEED BUTTON WHILE TURNING THE PRINTER POWER ON. CONTINUE TO HOLD THE FEED BUTTON UNTIL THE SELF TEST PRINTS.

Serial Connection Parameters

- Baud Rate
- XON/XOFF
- Buffer Size
- Buffer Overflow

Ethernet Connection Parameters

- IP Address
- Net Mask
- Gateway
- DHCP
- LPD
- RTEL
- RTEL Port
- Ethernet Text Buffer

Printer Settings

Print Speed

The **Print Speed** value sets the printing speed of the printer.

- Low = 2 inches per second
- Normal = 3 inches per second
- **High** = 5 inches per second

No-Media Timeout

The no media timeout value represents the number of inches of media fed through the printer without detecting an index mark prior to reporting an error.

EXAMPLE: IF NO MEDIA TIMEOUT IS SET TO 12, THE PRINTER WILL CONTINUE TO FEED 12 INCHES OF MEDIA WITHOUT DETECTING AN INDEX MARK BEFORE REPORTING AN ERROR.



TIONS INC.	
ettings Printer Settings Label Positioning Fonts and Objects Profile Manag	ement Firmware And CPR Upgrade PCL Windowing CPL I
Print Speed: Chapter Apply	Darkness
No-Media-Out (Inches): 1 Apply	
Debug Report Level: Serial & Label 🔽 Apply	Primary Language
Audiery Power On Apply	OPCL OEPL OZPL OCPL
Enable Automatic Reprint Apply	Apply
Media Adjust: 0 Apply	Thermal Mode
Pitch: 200 💌 Apply	Orrect Thermal O Thermal Transfer
Time (hhumm:ss, 24-hour clock): 1:00:00 Refresh Date (mm/dd/vy): 1/1/2007 Apply	Apply
Print Test Label	

Debug Report Level

Specifies the method by which the printer reports error.

Values:

- **None** = Turns error reporting Off.
- **Serial** = Printer sends error report to host device via serial port.
- Serial & Label = Printer sends error report via serial port and prints an error label.

Auxiliary Power ON

Check Auxiliary Power ON to enable the 5V serial port output.

Enable Automatic Reprint

Checking the Enable Automatic Reprint box prompts the printer to reprint a label in the event the printer detects an index mark prior to completing the requested label.

Media Adjust

Adjust the sharpness of the leading edge of printed text or rotated barcodes. Media Adjust range = 0 to 3.

<u>Pitch</u>

The pitch represents the dots per inch (dpi) setting for the printer.

Values:

- 100 or 200 for 200 dpi printers
- 150 or 300 for 300 dpi printers

Darkness

The **Darkness** value adjusts the print darkness.

Darkness ran ge: -200 to 800

NOTE: THE FACTORY DEFAULT FOR DARKNESS IS 0.

Primary Language

Selects the primary command language the printer uses. The Advantage DLX uses Cognitive Printer Language (CPL) as the default command language. Select between CPL, EcPL, and ZcPL command languages.

NOTE: THE ADVANTAGE DLX CURRENTLY DOES NOT SUPPORT TPCL COMMAND LANGUAGE.

Thermal Mode

Select Direct Thermal or Thermal Transfer based on the model of Advantage DLX printer and the type of media being used.

IMPORTANT! THERMAL TRANSFER MODE REQUIRES THE USE OF A THERMAL TRANSFER PRINTER AND A PRINT RIBBON. DIRECT THERMAL MODE REQUIRES THE USE OF DIRECT THERMAL MEDIA.

Label Positioning

Print Width

The **Print Width** value adjusts the maximum printing width of the printer.

Range:

- 0.15 to 2.4 inches for 2 inch model printers
- 0.15 to 4.2 inches for 4 inch model printers

Auto Recalibration

Check and Apply **Enable Auto Recalibration** and the printer will automatically attempt to recalibrate in the event an index mark is not detected.

Auto Top Of Form

Check and Apply **Enable Automatic TOF** and the printer will feed a label when the printer is turned ON or the printhead is latched.

Indexing

Indexing indicates to the printer the index type of the media being used. The **Indexing On** check box must be checked when using Bar, Gap, or Notch style indexing. Uncheck the **Indexing On** box when using continuous media.



Label Presentation

Label presentation advances media out of the printer after printing a label and then retracts the media prior to printing the next label.

- Advance = Distance the media advances after printing a label.
- **Retract** = Distance the media retracts prior to printing a label.
- **Time** = Amount of time in seconds the label remains presented prior to retracting.

NOTE: WHEN TIME IS SET TO 0 THE LABEL WILL REMAIN ADVANCED UNTIL THE NEXT LABEL IS PRINTED.

Top of Form Adjust

The **Top of Form (TOF)** sets the top of the label with relation to the print head. Increasing the **TOF** value moves the printed text down the label. Decrease the **TOF** setting to move the printed test up the label.

Shift Left

Shift left moves the printed image left across the label.

Fonts and Objects

The Fonts and Objects tab lists the Fonts, Formats and Graphics currently stored in the printer.

Loading Fonts and Objects

- 1. Select the **Fonts and Objects** tab.
- 2. Click the **Load Objects to Printer** button.
- 3. Select the Font or Object to be stored and click **Ok**.

Deleting Fonts and Objects

- 1. Select the Fonts and Objects tab in CognitiveTPG Administrator.
- 2. Highlight the Font, Object or Graphic to be deleted.
- 3. Click the **Delete Selected Objects** button.



Profile Management

Manage the settings of the Advantage DLX using the Profile Management section of CognitiveTPG Administrator. Profile Management displays a list of the printer's current variable settings.

Obtaining Printers Current Profile

- 1. Select the **Profile Management** tab in Cognitive Administrator.
- 2. Click the Get Printer's Current Profile button.

Saving the Current Printer's Profile

- 1. Select the **Profile Management** tab in CognitiveTPG Administrator.
- 2. Click the Get Printer's Current Profile button.
- 3. Click the **Save Profile to File** button.

Applying a Saved Profile to the Printer

- 1. Select the **Profile Management** tab in CognitiveTPG Administrator.
- 2. Click the **Open Stored Profile** button.
- 3. Select the desired **Stored Profile** and click **Ok**.
- 4. Click the **Apply Profile to Printer** button.

SOLUTIO	ONS INC		_				
Connection Settings	Printer Settings	Label Positioning	Fonts and Objects	Profile Management	Firmware And CPR Upgrade	PCL Windowing	CPL Editor
VARIABLE COMITI VARIABLE COMITI VARIABLE ETHERE VARIABLE ETHERE	5200, A, 0, 1, N 096, 1024 096, 1024 1026,	55 255,255 10 1096 0 NCR					

Updating Firmware

- 1. Select the Firmware and CPR Upgrade tab.
- 2. Click the Select **Firmware File** button.
- 3. Select the appropriate Firmware file and click **Ok**.
- 4. Click the **Update Firmware** button.

CAUTION! TURNING THE PRINTER OFF DURING FIRMWARE INSTALLATION COULD DAMAGE THE PRINTER.

DLU	TIONS INC.	- Heart	tent .	
ettion Se	ttings Printer Settings Labell	Positioning Fonts and Obje	eds Profile Management Firmmare And CPR	Upgrade PCL Windowing CPL Edit
	Preview			
	Clarrent Pirmeare:	195.126.126		
	Version Number:	P1.354\$13		Refresh
	Relnane Date: 19 2007 12:08:09			
	Upgrade Firmware:	(nature more the)	Call start Resource from Prophysical	[builds Burnstern]
	New Image:	[and the start		[spone (arrows)]
	Update Progress			
	CIR			

CPL Editor

Use the CPL (Cognitive Printer Language) Editor in CognitiveTPG Administrator to send CPL to the printer. For more information on programming CPL please refer to the CPL Programmers guide located on the website at

http://www.cognitivetpg.com/Downloads_18.aspx.



Chapter 5: Advanced DLX Features

USB A Port

Loading Firmware Using a USB Flash Drive

- 1. Create a folder on the USB flash drive at the root level named Cognitive.
- 2. Inside the **Cognitive** folder create a folder named **Firmware**.
- 3. Place the desired firmware revision into the **Firmware** folder.

IMPORTANT! WHEN USING THE USB FLASH DRIVE THE PRINTER WILL ONLY UPGRADE TO A NEWER FIRMWARE REVISION.

- 4. Turn the printer ON and verify the POWER and READY lights are green.
- 5. Insert the USB flash drive into the USB A port on the back of the printer. The READY light will flash red during firmware installation.
- 6. When READY light remains solid green, turn the printer off and remove the USB Flash Drive.

CAUTION! REMOVING THE USB FLASH DRIVE WHILE FIRMWARE IS LOADING COULD DAMAGE THE PRINTER.

Changing Printer Settings Using a USB Flash Drive

NOTE: CHANGING VARIABLE PRINTER SETTINGS WITH THE USB FLASH DRIVE REQUIRES THE USE OF THE COGNITIVE PROGRAMMING LANGUAGE. FOR MORE INFORMATION ON PROGRAMMING WITH CPL PLEASE REFERENCE THE CPL PROGRAMMERS GUIDE.

- 1. Create a folder on the USB flash drive at the root level named Cognitive.
- 2. Inside the **Cognitive** folder create a folder named **Settings**.
- 3. Place the desired CPL text files into the **Settings** folder.
- 4. Turn the printer ON and verify the **POWER** and **READY** lights are green.
- 5. Insert the USB flash drive into the USB A port on the back of the printer. The **READY** light will flash quickly while the file loads.
- 6. When the **READY** light remains solid green remove the USB Flash Drive.

Loading Formats Using a USB Flash Drive

- 1. Create a folder on the USB flash drive at the root level named Cognitive.
- 2. Inside the **Cognitive** folder create a folder named **Objects**.
- 3. Place the desired Stored Label Formats or Menuing Program into the **Objects** folder.
- 4. Turn the printer on and verify the **POWER** and **READY** lights are green.
- 5. Insert the USB flash drive into the USB A port on the back of the printer. The **READY** light will flash red during firmware installation.
- 6. When **READY** light remains solid green, turn the printer off and remove the USB Flash Drive.

HELPFUL TIP: THE PRINTER WILL LOAD THE OBJECTS FILES IN ALPHABETICAL ORDER. FOR MORE INFORMATION ON CREATING STORED LABEL FORMATS OR MENUING PROGRAMS PLEASE REFERENCE THE COGNITIVETPG CPL PROGRAMMERS GUIDE.

Chapter

Chapter 6: Cleaning and Maintenance

For optimal printhead performance CognitiveTPG recommends cleaning the thermal printhead every 5,000 inches. Proper maintenance reduces replacement costs by extending the life of the printhead and improves the performance of the printer.

IMPORTANT! DISCONNECT THE POWER PRIOR TO CLEANING THE ADVANTAGE DLX .

Cleaning the Printer

Clean the exterior of the printer and the media tray using a lint-free cloth, and if necessary, a mild detergent solution.

Cleaning the Thermal Printhead and Platen

- 1. Open the print mechanism.
- Gently clean the printhead (A) and platen (B) using a CognitiveTPG approved cleaning pen, card or a soft, lint-free cloth saturated with 99% isopropyl alcohol.



WARNING! INCORRECTLY CLEANING THE PRINTER WILL CAUSE PERMANENT DAMAGE AND VOID THE PRINTER'S WARRANTY. COGNITIVE RECOMMENDS USING A CERTIFIED CLEANING PEN FOR CLEANING THE THERMAL PRINTHEAD.

Cleaning Supplies

Advantage DLX Cleaning Supplies					
Part #	Size (inches)	Items per box	Description		
14-00-0000	2.5" x 6"	25	Cleaning card		
14-00-0001	4.5" x 6"	25	Cleaning card		
14-00-0002	none	12	Cleaning pen		

Chapter 7: Troubleshooting

Use the chart below for troubleshooting your Advantage DLX printer prior to contacting Technical Support. If you are unable to resolve the problem using the chart below, please contact our Technical Support staff at 1-800-732-8950 ext. 4.

Symptom	Possible Cause	Recommended Solution
Red Ready Light	Print Head Unlatched	Securely latch printhead
	Out of Media/Ribbon	Replace media/ribbon
	Printer Paused	Press Feed Button to continue printing
Red Power Light	Incorrect Power Supply	Verify use of correct power supply
Printing Too Light	Printer Darkness Setting	Increase printer Darkness using CognitiveTPG Administrator
	Driver Darkness Setting	Increase the Darkness value within the printer driver
	Printhead Dirty	Clean printhead
Printing Blank Labels	Missing Ribbon	Use print ribbon when printing to thermal transfer media
Continuously Feeding Labels	Printer out of Calibration	Calibrate printer using CognitiveTPG Administrator
Feed Button Not Working	Printer is running a stored program	With print head unlatched, turn printer off and back on then re- latch printhead
Print Not Positioned Properly	Top of Form requires adjustment	Adjust Top of Form using CognitiveTPG Administrator
Media Drifting During Printing	Media Guide improperly adjusted	Verify Media Guide is positioned properly
Skipping Labels During Printing	Label Design	Decrease height of label
	Printer out of Calibration	Recalibrate printer using CognitiveTPG Administrator