

COMPACT PRINTER SERIES

USER'S MANUAL

CP-2140 / CP-2140Z / CP-2140E CP-3140 / CP-3140E



9001282 (A) - ENG

Website: <u>http://www.satoamerica.com</u>

Table of Contents

1. Introduction	5
Proprietary Statement	5
Product Improvements	5
FCC Compliance Statement	
Liability Disclaimer	
For Support	
Limitation of liability	6
2. Getting Started	7
Unpacking Printer	7
Package Contents	8
Printer Overview	9
Front View:	9
Rear View: CP-2140, CP-2140Z, CP-3140	10
Rear View: CP-2140E, CP-3140E	10
Interior View I	11
Interior View II	12
Attaching Power	13
Loading Media	15
Preparing Media	15
Placing Media Roll	15
Media Type Setting	20
Multi-Column Label Setting by Software/ Driver	20
Multi-Column Label Setting Manually	21
Loading Ribbon	26
Preparing Ribbon	26
Placing Ribbon Rolls	
2 Drinter Operations	22
3. Printer Operations Printing Media Calibration & Configuration	
Steps to Start Media Calibration & Configuration .	
Sample of Printer Configuration Label	
Resetting Printer to Factory Defaults	35
<u> </u>	

Compact Printer Series - User's Manual

Printer Controls and Indicators Troubleshooting by LED Indicators Diagnosis Miscellaneous Recovery	.39 .42
4. Communications	.44
Interfaces and Requirements	44
USB Interface Requirements	44
Serial (RS-232) Interface Requirements	45
Parallel Interface Requirements	45
Serial and Parallel Cabling Requirements	
Ethernet 10/100 Internal Printer Server Option	46
Ethernet Module Status Indicators	46
Communicating with the Printer	47
Installing a Plug and Play printer driver (for USB	47
only)	.47
Installing a Printer Driver (for other interfaces except USB)	53
5. Caring for Your Printer	
Print Head Maintenance Guide	
Cleaning Interval	
Cleaning Material	
Cleaning Direction	61
6. Product Specification	.62
General Specification	
Fonts, Barcodes, and Graphics Specification	64
Printer Programming Language PPLA	64
Printer Programming Language PPLB	65
Printer Programming Language PPLZ	
Interface Specification	
USB Interface	67
Serial Interface	
Parallel (Centronics) Interface	69

<u>4</u>

<u>3</u>

1. Introduction

Proprietary Statement

This manual contains proprietary information of Argox Information Co., Ltd. It is intended solely for the information and use of parties operating and maintaining the equipment described herein. Such proprietary information may not be used, reproduced, or disclosed to any other parties for any other purpose without the expressed written permission of Argox Information Co., Ltd.

Product Improvements

Continuous improvement of products is a policy of Argox Information Co., Ltd. All specifications and signs are subject to change without notice.

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into a different outlet on a different circuit.
- Consult the dealer or an experience Radio/TV technician for help.

This unit was tested with shielded cables on the peripheral devices. Shielded cables must be used with the unit to insure compliance. The user is cautioned that any changes or modifications not expressly approved by Argox Information Co., Ltd. could void the user's authority to operate the equipment.

Liability Disclaimer

Argox Information Co., Ltd. takes steps to assure that the company's published engineering specifications and manuals are correct; however, errors do occur. Argox Information Co., Ltd. reserves the right to correct any such errors and disclaims any resulting liability. In no event shall Argox Information Co., Ltd. or anyone else involved in the creation, production, or delivery of the accompanying product (including hardware and software) be liable for any damages whatsoever (including,

without limitation, damages for loss of business profits, business interruption, loss of business information, or other pecuniary loss) arising out of the use of or the results of use of or inability to use such product, even if Argox Information Co., Ltd. has been advised of the possibility of such damages.

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For Support

For any issues or questions, contact SATO America, Inc. using the contact information shown here.

Limitation of liability

SATO Corporation and/or its subsidiaries in Japan, the United States, and other countries make no representations or warranties of any kind regarding this material, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose. SATO Corporation shall not be held responsible for errors contained herein or any omissions from this material or for any damages, whether direct, incidental or consequential, in connection with the furnishing, distribution, performance or use of this material.

SATO Corporation reserves the right to make changes and/or improvements in this product and document without notice at any time.

SATO America, Inc. 10350A Nations Ford Road Charlotte, NC 28273 Main Phone: (704) 644.1650 Technical Support: (704) 644.1660 Technical Support Fax: (704) 644.1661 E-Mail: satosales@satoamerica.com techsupport@satoamerica.com

© Copyright 2013 SATO America, Inc. All rights reserved.

2. Getting Started

Congratulations on choosing CP compact printer series, made by Argox Information Co., a leader in the world-wide barcode industry. CP-2140, CP-2140Z, CP-2140E, CP-3140 and CP-3140E are ideally designed to easily bring more efficiency for your business. This manual will help you get to know your new printer and provide sufficient information needed.

Unpacking Printer

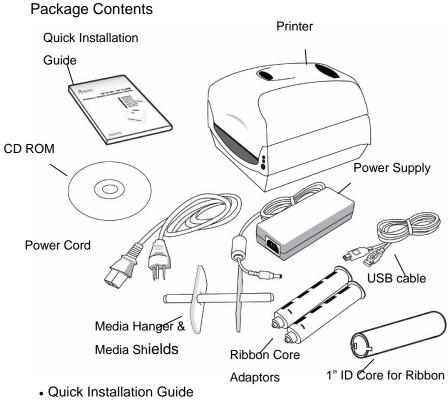
After receiving your printer, please check for possible shipping damage:

Inspect the outside of both the box and the printer for possible damage.

1. Open the top cover of the printer to see if all parts are in order.

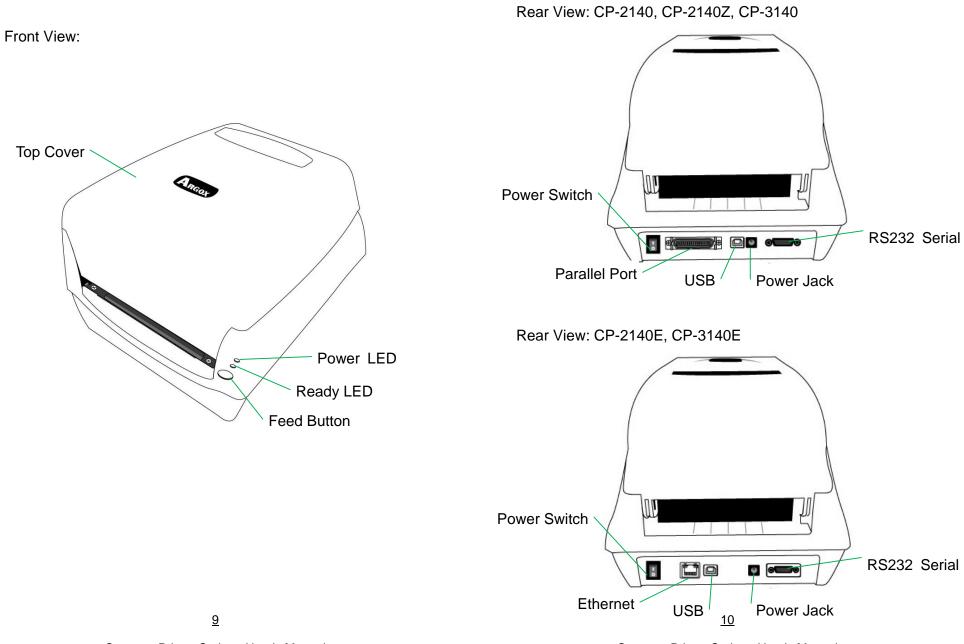
Note: If shipping damage has been discovered, contact your shipping company immediately to file a claim.

2. Check whether you have received the following accessories together with the printer. If there is any item missing, please contact your local dealer.



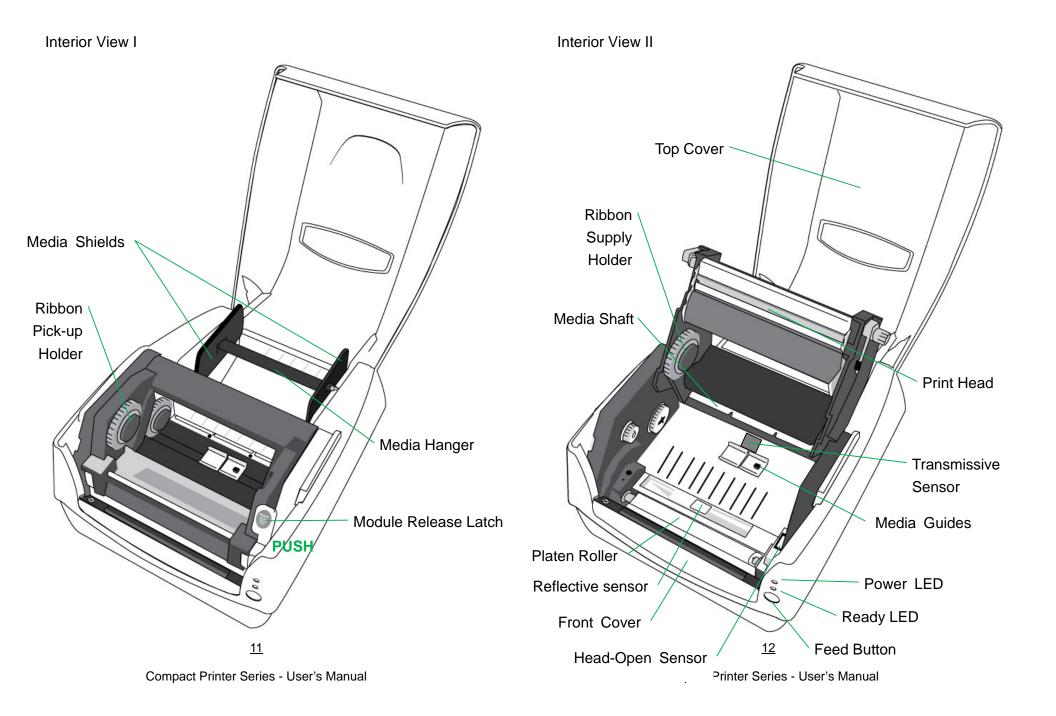
- CD ROM (Documentation & Software)
- Power Cord
- Media Hanger & Media Shields
- Printer
- Power Supply
- USB cable
- Ribbon Core Adaptors
- 1" ID Core for Ribbon

Printer Overview



Compact Printer Series - User's Manual

Compact Printer Series - User's Manual



Attaching Power

1. Make sure the printer's power switch is in the off position (down).

2. Insert the AC power cord into the power supply.

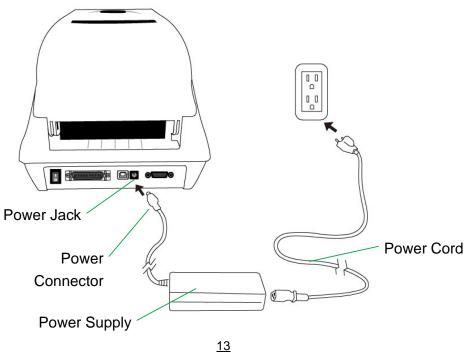
3. Insert the power supply's power connector into the printer's power jack.

4. Plug the other end of the power cord into an appropriate grounded AC electrical outlet.

Warning:

*D*o not operate the printer and power supply in an area where they might get wet.

CP-2140, CP-2140Z, CP-3140



CP-2140E, CP-3140E

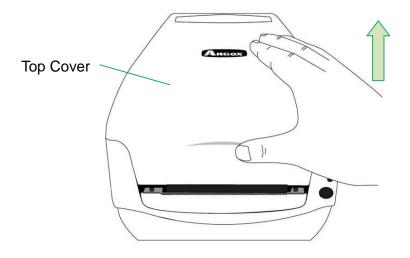
Loading Media

Preparing Media

The inside wound or outside wound media rolls can be loaded into the printer in the same way. In case media roll may become dirty or dusty during shipment, handling, or storage, firstly remove the outside length of media, which helps to avoid dragging adhesive or dirty media between the print head and platen roller. When loading media, it must be placed onto the media hangers.

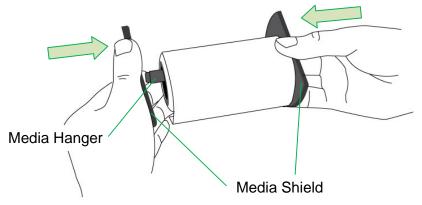
Placing Media Roll

1. Open Top Cover of the printer.

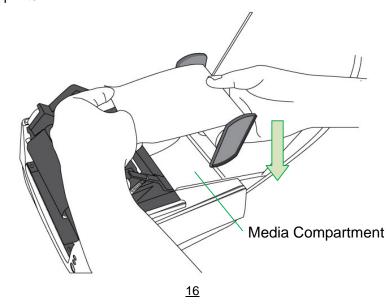


Compact Printer Series - User's Manual

 Put the Media Hanger through media supply roll, and then centrally align with the two Media Shields to closely lean against the media supply roll.

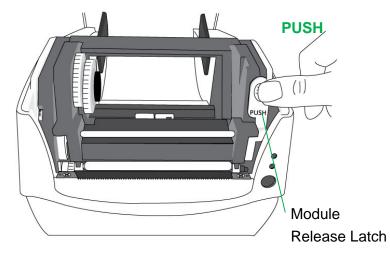


 Locate the media supply roll into the Media Compartment of printer.

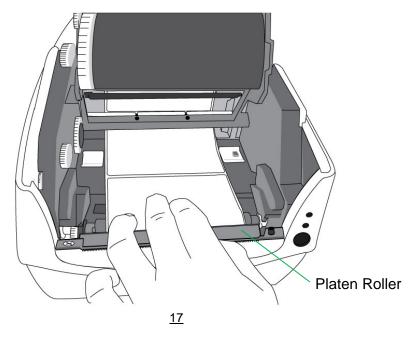


Compact Printer Series - User's Manual

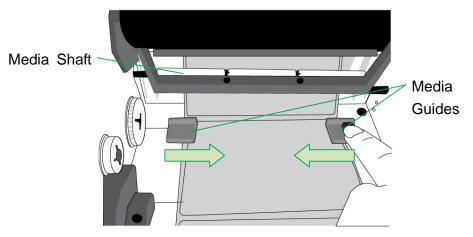
4. Push the Release Latch to open the printer module.



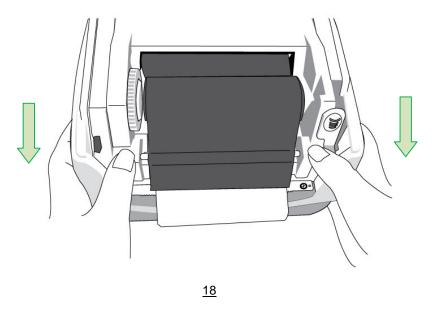
5. Pull a short length of media till it reaches the Platen Roll of printer.



 Press the lock of Media Guide at the right to adjust media guides' positions. Make sure media stays under the Media Shaft and centrally under both of the Media Guides.



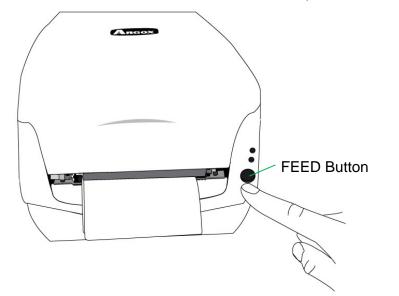
7. Close the printer module and then press firmly at the both sides to properly latch until you hear a click.



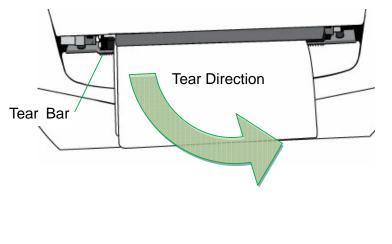
Compact Printer Series - User's Manual

Compact Printer Series - User's Manual

8. Press the FEED button to feed labels out of the printer.



9. To tear media, pull the media edge against the Tear Bar as in the direction below:



Media Type Setting

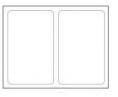
Multi-Column Label Setting by Software/ Driver

To index labels with multiple columns, please select media types to Multi-Column Labels in the label editing software Bartender UL.

Software setting steps:

Argox Bartender UL / Seagull Driver – Media Types – Multi-Column Labels

Sample of labels with multiple columns:





<u>19</u>

Compact Printer Series - User's Manual

Multi-Column Label Setting Manually

With specific firmware versions, CP Series printers now get the sensor setting able to be achieved manually. Once there is need to detect multi-column labels, but there is no PC around, or utility software is not installed, or it's necessary to over ride printer's previous settings from commands/ software setting, the procedures provided below can be quick and easy to set Reflective Sensor Force Mode manually.

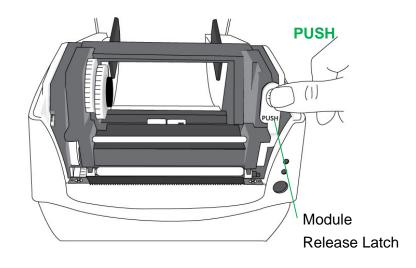
CP Series provides two modes of media sensor type settings to set manually, with no need to connect PC and to select by software:

<u>Mode A.</u> To always detect multi-column labels, force CP series printers to enter Reflective Sensor Force Mode.

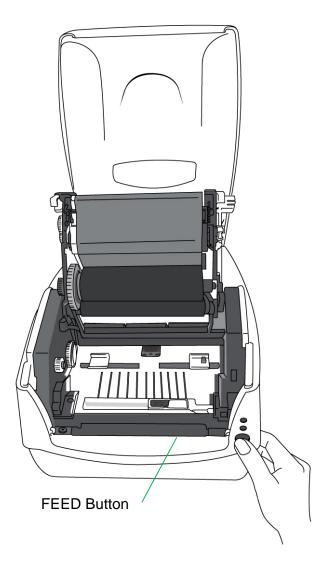
Thus, no matter which media type/ sensor type is set by Driver/ Utility/ printer commands, printer will always detect multi-column labels by its movable Reflective sensor. Steps:

- 1. Push the Release Latch to open the printer module. Ready LED will start flashing.
- Press and hold Feed button for about 5 seconds, when Power LED and Ready LED start to flash alternately, the setting is complete. Release Feed button immediately.
- 3. In about 3 seconds, Ready LED will be flashing again. Close the printer module and then press firmly at the both sides to properly latch it until you hear a click.

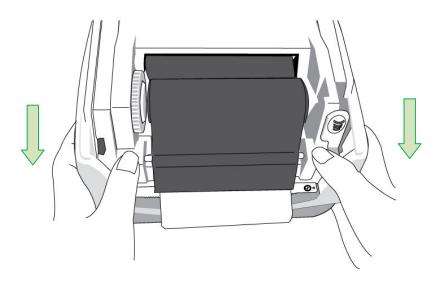
Step 1.



Step 2.



Step 3.



<u>Mode B.</u> After manually setting Reflective Sensor Force Mode, if it is needed to reset the printer to its default Transmissive Sensor and exit from Force Mode, refer to the steps below:

- 1. Push the Release Latch to open the printer module. Ready LED will start flashing.
- Press and hold Feed button for about 5 seconds, when Power LED and Ready LED start to flash simultaneously, the setting is complete. Release Feed button immediately.
- 3. In about 3 seconds, Ready LED will be flashing again. Close the printer module and then press firmly at the both sides to properly latch it until you hear a click.
- % Printer transfers between the two modes as described above. $\frac{24}{24}$

<u>23</u>

 Before printing, to double-check current sensor setting, please conduct media calibration and print a self-test/ configuration label.
 Refer to the sample self-test pages below:

Reflective Sensor	Transmissive Sensor		
Force Mode	Mode		
	(See-Through Sensor)		
Label Printer with Firmware y2/me/dd 00 STANDARD RAM: 8M BYTES AVAILABLE RAM: 5696K BYTES AVAILABLE RAM: 5696K BYTES AVAILABLE FLASH: 2047K BYTES 8 bit data: Code Page 437 THERMAL TRANSFER REFLECTIVE SENSOR NORMAL) FORCE MODE REF:2280 SEE2:0000 NO. OF DL SOFT FONTS : 0 Int.fonts:NO DOWNLOADED FONTS CUT COUNT: 0 PRINT LENGTH METER: 1018 M MOTOR TYPE: 4 ohm RS232 : 115200, 8, N, 1P CHECKSUM : 0000000 SPEED: 31PS DARKNESS: 8 MEDIA_TYPE: GAP PRINT WIDTH: 800 LABEL LENGTH : 80 BACKFEED DISABLE CUTTER OFSET: 0 R(X,Y) =R(0,0) H. POSITION ADJUST : 0000 CALIBRATION TYPE: MODE 1 M(0,0,0) s(0,0) s(0,0) U13,85,0,0,36928,48832,103 5,5,5,5,5,5,5,2,5,5 ON OFF 0 0 0 0	Label Printer with Firmware y2/me/dd 00 STANDARD RAM: 8M BYTES AVAILABLE RAM: 5696K BYTES FLASH TYPE:ON BOARD 4M BYTES AVAILABLE FLASH: 2047K BYTES B bit data: Code Page 437 THERMAL TRANSFER SEE-THROUGH SENSOR REF:2280 SEE2:0000 NO. OF DL SOFT FONTS : 0 Int.fonts:NO DOWNLOADED FONTS CUT COUNT: 0 PRINT LENGTH METER: 1018 M MOTOR TYPE: 4 ohm RS232 : 115200, 8, N, 1P CHECKSUM : 00000000 SPEED: 31PS DARKNESS: 8 MEDIA_TYPE: GAP PRINT WIDTH: 800 LABEL LENGTH: 80 BACKFEED DISABLE CUTTER DFFSET: 0 R(X,Y) =R(0,0) H. POSITION ADJUST : 0000 CALIBRATION TYPE: MODE 1 M(0,0,0) s(0,0) s		
This is internal font 1. 0123456789 ABCabcXvz	SW2 1 2 3 4 5		
This is internal font 1. 0123456789 ABCabcXyz	This is internal font 1. 0123456789 ABCabcX		
This is internal font 3. 0123456789 ABCabeAyz	This is internal font 2. 0123456789 This is internal font 3. 012345		
This is internal font 4. 012345678	This is internal font 3. 012345		
THIS IS INTERNA	TUTE TE TNTE		
THE TO THE LINE	1012 12 INIC		

Loading Ribbon

The following steps only apply to thermal transfer printing mode only. Direct thermal does not need ribbon to be installed.

Note:

- Media and ribbon types should be matched to provide with optimal print results.
- Always use ribbon that is wider than the media to protect the print head from wear.
- For direct thermal printing, do not load ribbon in the printer.

Preparing Ribbon

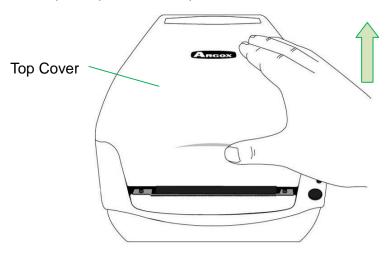
Find the two Ribbon Core Adaptors in printer package and fix them into new ribbon rolls from the left to the right.



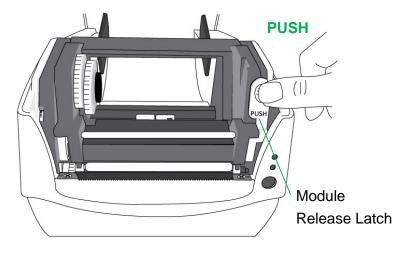
<u>25</u>

Placing Ribbon Rolls

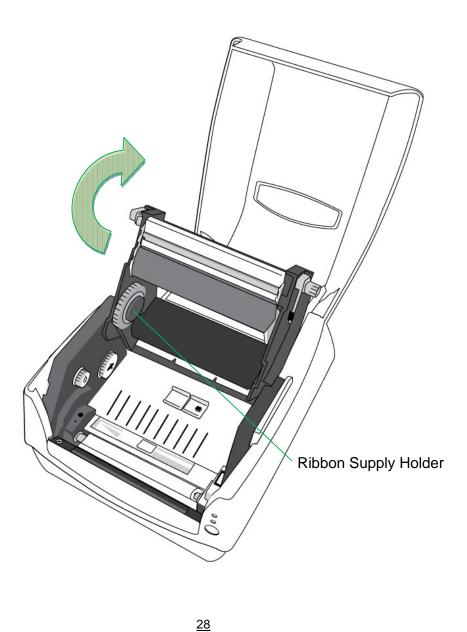
1. Open Top Cover of the printer.



2. Push the Release Latch to open the printer module.



3. Lift up the printer module to check the Ribbon Supply Holder.

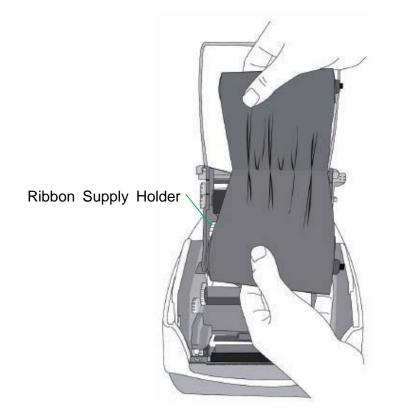


<u>27</u>

Compact Printer Series - User's Manual

Compact Printer Series - User's Manual

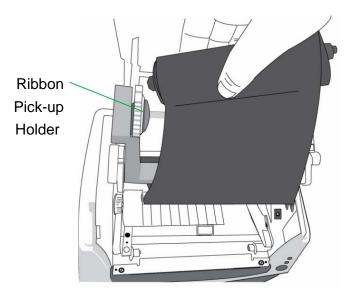
4. Install one ribbon roll and rotate it until the notches align and lock into the left side of Ribbon Supply hub, and then into the right.



Note:

The Ribbon Supply Holder accepts the coated side of ribbon to be wound ink-side IN or wound ink-side OUT.

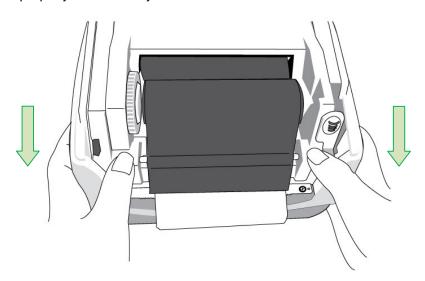
5. Install the other ribbon roll and rotate it until the notches align and lock into the left side of Ribbon Pick-up hub, and then the right.



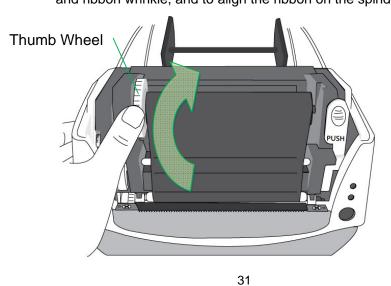
Note:

The Ribbon Pick-up Holder accepts the coated side of ribbon to be wound ink-side OUT only.

6. Close the printer module and then press firmly at the both sides to properly latch it until you hear a click.



7. Rotate Thumb Wheel of Ribbon Pick-up Holder to remove slack and ribbon wrinkle, and to align the ribbon on the spindles.



3. Printer Operations

Printing Media Calibration & Configuration

Before connecting the printer to your computer, to make sure that the printer works properly, conduct media calibration and print a self-test/ configuration label.

Steps to Start Media Calibration & Configuration

- 1. Make sure the media is properly loaded and the top cover of the printer is closed.
- 2. Turn off the printer power.
- 3. Press and hold the FEED button while turning on the power, until printer motor is activated.
- 4. Media Calibration will be performed while the printer automatically feeds the label stock for a certain length; then the printer motor suspends for one second and then prints out a configuration profile. Release the FEED button as soon as printer starts to print.

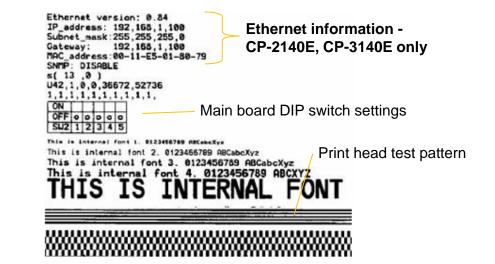
Note:

If printer is with Argox PPLB printer language, printer will enter Dump mode after printing configuration. In Dump mode, all characters will be printed in 2 columns: the right shows characters received from your system, and the left are the corresponding hexadecimal values of the characters. It allows users or engineers to verify and debug the program.

To return to normal operation mode from Dump mode, press the FEED button again. Another way is to turn off printer power, and then restart printer.

Sample of Printer Configuration Label

Label Printer with Firmware CP2140-B01.01 041910 00 STANDARD RAM: 8M BYTES	Firmware version & date code	
AVAILABLE RAM: 5852K BYTES	Memory capacity	
AVAILABLE FLASH: 2047K BYTES 8 bit data: Code Page 437	 Codepage 	
THERMAL TRANSFER	- Print method	
SEE-THROUGH SENSOR	- Media sensor type	
REF:2D99 SEE:17EC NO. OF DL SOFT FONTS : 0	Real Time Clock (RTC) setup	
RTC CARD INSTALL	(, , I	
RTC time : 6/10/2010 8:41:29	(available only with RTC Card)	
Int.fonts:NO ANY INTERNAL FONTS	—— Internal Asian fonts downloaded	
CUT COUNT: 0		
PRINT LENGTH METER: 0 M	Printed label length	
RS232 : 9600, 8, N, 1P	Serial port settings	
SPEED: 31PS DARKNESS: 8	Print speed and darkness	
MEDIA_TYPE: GAP	Media type setting	
PRINT WIDTH: 800		
BACKFEED DISABLE	Print width setting Label length setting	
CUTTER DISABLE	5 5	
PEELER DISABLE	 Backfeed setting 	
CUTTER/PEELER OFFSET: 0	 Cutter setting 	
R(X,Y) =R(0,0) H. Position Adjust : 0000		
CALIBRATION ADJUST : 0000	 Calibration mode type 	
M(0,0,0,0)		



Resetting Printer to Factory Defaults

Follow the steps below to reset printer to default settings:

- 1. Turn on the printer and wait for 5 or more seconds.
- 2. Press the "FEED" button for 10 seconds, and the "Ready" indicator and "Power" indicator will go off in order.

3. Once "Power" indicator becomes lit again, release the FEED button.

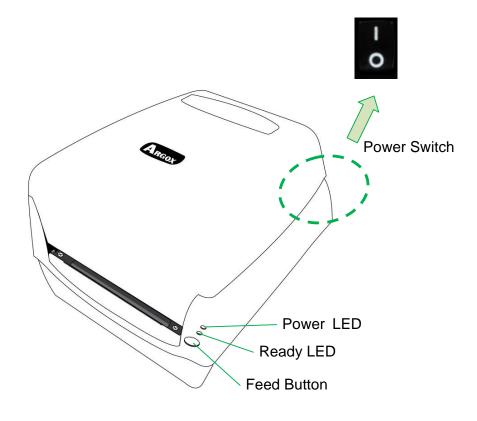
4. "Ready" indicator will then become lit, too. At this moment, the printer has resumed its factory default settings.

Printer will delete those print tasks received but not yet printed.

Note:

The printer factory default settings are stored in printer's flash; these settings remain stored, without being erased even the printer power is disconnected.

Printer Controls and Indicators



The following table explains printer controls and indicators' functions to help understanding LED indications and printer status:

Control / Indicator	Function	
Power Switch	 On: turns on normal operation (at "I" position) Off: turns off power (at "O" position) 	
	Note: Turn power off before connecting or disconnecting cables	
	 It will start blinking while "Media Out", "Media Gap Not Found" or "Ribbon Out" has been detected. 	
Power LED	 Once printer cutter mode has been enabled, when Cutter is jammed with paper or Cutter is not installed, POWER indicator will blink. 	
	 When RS-232 communication error is detected, POWER indicator will blink. 	
	 When printer is started, the READY indicator will blink. In Ethernet model, the READY indicator will blink for several seconds to wait till Ethernet Card is ready. 	
Ready LED	 When printer receives data from host PC, READY indicator will start blinking. 	
	 READY indicator will blink when printing is paused. 	
It will start blinking while "Media Out", Gap Not Found" or "Ribbon Out" has I		

	detected.		
	 It will blink as soon as the printer module is opened. 		
	Note:		
	When the print head is over-heated, printer's thermal protection function will be activated and make READY LED blink to indicate printer is in PAUSE status to wait till print head has been cooled down. The printing tasks sent previously will be resumed automatically later.		
Feed Button	 Press to advance the label media to the first printing position. Press during printing to make printer "pause". Press and hold while switching on the power to conduct media calibration and print out a configuration profile. To resume printing after "Media Out "or "Ribbon Out " errors have been resolved. 		

Troubleshooting by LED Indicators Diagnosis

Normally, when the printer is in not working properly, the "Power" LED blinks continuously, and printing and communication between the host and printer stops. Refer to LED indications listed below to understand possible solutions to resolve the problems printer run into.

LED Indicators: Power and Ready LEDs blink at the same tempo

Power LED	Ready LED
ON	ON
OFF	OFF

Possible Problems	Solutions	Remarks
Media sensor cannot index label gaps	Check the label path Check the label sensor	If a continuous label roll is in use, set "continuous media" printing in driver settings or commands.
Media out	Install a new label roll	
Paper jam	Recover the jam	

LED Indicators: Power and Ready LEDs blink alternately

Power LED	Ready LED	
ON	OFF	
OFF	ON	

Possible Problems	Solutions	Remarks
		Set "Direct Thermal"
		printing by driver or commands if no ribbon is
		required.

LED Indicators: Only the Power LED blinks

Power LED	Ready LED
ON	ON
OFF	ON

Possible Problems	Solutions	Remarks
Serial IO error	Check serial baud rate at	For serial
	both of your system and	interface only
	the printer.	
Cutter has failed, or	Check the cutter or	Only applicable
there is paper jam	recover paper jam.	when cutter
inside the cutter.		mode to cutter
		mode.
Other possible	Contact the reseller for	

hardware errors. turther service.	hardware errors.	further service.	
------------------------------------	------------------	------------------	--

LED Indicators: Only the Ready LED blinks

Power LED	Ready LED
ON	ON
ON	OFF

Possible Problems	Solutions
Print head needs to	Printing will stop until the print head cools to
cool down	normal printing temperature.
	Once it completes, the printer will
	automatically resume the printing tasks sent
	previously.
Printer head module	Close the printer module and then press
unlatched	firmly at both the left and the right of printer
	module to properly latch.
Printer is in	Press FEED button to resume printing.
PAUSE status	
Printer is receiving data	As soon as all the data has been received,
	Ready LED will stay solid green and
	automatically resume normal operation.

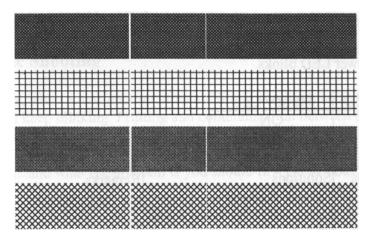
Miscellaneous

If the host shows "Printer Time out":

- 1. Check if the communication cable (serial) is connected securely to your serial port on the PC and to the connector on the printer at the other end.
- 2. Check if the printer power is turned on.

If the data has been sent, but there is no output from the printer. Check the active printer driver, and see if Seagull driver for your Windows system and the label printer has been selected.

Vertical streaks in the printout usually indicate a dirty or faulty print head. (Refer to the following examples.)



Clean the print head. If the problem persists, replace the print head.

Poor printout quality:

- The ribbon may not be qualified.
- The media may not be qualified.
- Adjust the Darkness (heat temperature).
- Slow down the print speed.
- Refer to the next chapter and clean the related spare parts.

Recovery

After correcting problems, simply press the panel button or restart the printer to continue your print jobs. Make sure the LEDs are not blinking and remember to resend your files.

4. Communications

Interfaces and Requirements

Argox CP printer series come with a nine-pin Electronics Industries Association (EIA) RS-232 serial data interface, a USB interface, Parallel, and Ethernet. A variety of interface options are suitable for versatile applications:

CP-2140,CP-2140Z,CP-3140: Parallel, USB, and Serial interfaces CP-2140E,CP-3140E: Ethernet, USB, and Serial interfaces

Note:

- 1. You must insert the power supply's barrel connector into the power jack on the back of the printer before connecting communication cables.
- 2. This printer complies with FCC Rules and Regulations, Part 15, for Class A Equipment, for use with fully shielded six-foot data cables. Use of longer cables or unshielded cables may increase radiated emissions above Class A limits.

USB Interface Requirements

The Universal Serial Bus (USB) interface is compatible with your existing PC hardware. The USB's "plug and play" design makes installation easy. Multiple printers can share a single USB port/hub.

Serial (RS-232) Interface Requirements

The required cable must have a nine-pin "D" type male connector on one end, which is plugged into the mating serial port located on the back of the printer. The other end of the signal interface cable connects to a serial port on the host computer.

Note:

For technical and pin-out information, please refer to the Technical Reference, Interface Specifications in this manual.

Parallel Interface Requirements

The required cable (IEEE 1284-compliant is recommended) must have a standard 36-pin parallel connector on one end, which is plugged into the parallel port located on the back of the printer. The other end of the parallel interface cable connects to the printer connector at the host computer. For pin-out information, refer to the Reference Technical Information, Interface Specification.

Serial and Parallel Cabling Requirements

Data cables must be of fully shielded construction and fitted with metal or metalized connector shells. Shielded cables and connectors are required to prevent radiation and reception of electrical noise.

To minimize electrical noise pickup in the cable:

- 1. Keep data cables as short as possible.
 - (6 ft or 1.83m recommended)
- 2. Do not tightly bundle the data cables with power cords.

3. Do not tie the data cables to power wire conduits.

Ethernet 10/100 Internal Printer Server Option

This connector is for Ethernet application; it is convenient to use several printers by Ethernet connector at the same time.

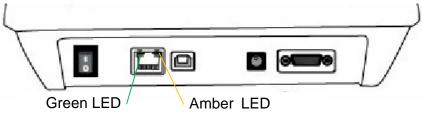
Note:

When using Ethernet model printer, please wait till the Ready Indicator to stop blinking, before starting printer operations.

Ethernet Module Status Indicators

LED Status	Description	
Both Off	No Ethernet link detected.	
Blinking	The printer waits for printer ready. It will take about 20 seconds to be ready.	
Green	Speed LED	On: 100 Mbps link Off: 10 Mbps link
Amber	Link/Activity LED	On: link up Off: link down Flash: activity

Ethernet LED Indicators:



Communicating with the Printer

The bundled printer driver can be applied to all applications under Windows XP/ Vista/ Windows 7, supporting 32-bit/ 64-bit operation systems. With this driver you can operate any popular Windows software applications including Argox Bartender UL label editing software or MS Word, etc., to print to this printer.

The following installation steps are based on CP-2140 as an example. The screens included for these steps are taken from Windows XP; steps in other versions of operation systems are similar. Drivers can be installed via the CD-Rom included in printer package; or it can be downloaded from our web site via this link: <u>http://www.satoamerica.com/ValueSeriesDrivers</u>

Installing a Plug and Play printer driver (for USB only)

Note:

We strongly recommend that you use the Seagull Driver Wizard instead of the Microsoft Windows Add Printer Wizard when installing and updating your Drivers by Seagull.

(Even though the "Add Printer Wizard" is from Microsoft, it too easily performs a number of tasks incorrectly when updating existing drivers. It also badly handles the situation where a printer driver is already in use by a Windows application.)

- Turn off the printer. Plug the power cable into the power socket on the wall, and then connect the other end of the cable to printer's power socket. Connect the USB cable to the USB port on the printer and on the PC.
- 2. Turn on the printer. If the printer supports Plug-and-Play, and you have successfully connected it using a USB cable, then the Windows Add Hardware Wizard will automatically detect the printer and display a dialog that allows you to install a

driver. Click Cancel and do not install the driver using this wizard.

 Prepare the documentation and software CD-Rom from printer package and then install to CD-Rom drive of your computer. The CD-Rom will bring out the following prompt. Click "Go":



4. Under CP series product selection prompt, choose Seagull Driver version and then start installation:



47



Instead of the flash prompt above, another way to install Seagull driver is to run the DriverWizard utility from the Installation Directory where the Seagull driver files are located.

5. On the Seagull Driver Wizard prompt, select the first radio button to "Install a driver for a Plug and Play printer":

Plug and Play Printer Detection New Plug and Play printers are a	automatically detected for installation.	
Select the printer driver to install.		
Install a driver for a Plug and P	lay printer	
Printer Model	Port	
Argox CP-2140 PPLB	U56002	
O Install a driver for another prin	ter	
O Install a driver for another prin	ter	> Can

Then click "Next."

<u>50</u>

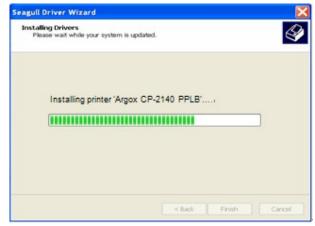
6. Enter Printer name (i.e. Argox CP-2140 PPLB) and select "do not share this printer", and click "Next"

Seagull Driver Wizard
Specify Printer Name Names are used to identify the printer on this computer and on the network.
Enter a name for this printer. Printer Argox CP-2140 PPLB Use this printer as the default printer Specify whether or not you want to share this printer with other network users. When sharing, you must provide a share name. Do not share this printer Share name:
< Back Next > Cancel

7. Check all the data on the showing screen, if it is correct, click "Finish".



8. After the related files have been copied to your system, click "Finish".



9. After driver installation is complete, click "Close". The driver should now be installed.

Seagull Driver Wizard	Seagull Driver Wizard Com Successfully The following operations were completed succe	
	Installed printer Argox CP-2140	
		4
	Close	Cancel

<u>52</u>

Installing a Printer Driver (for other interfaces except USB)

- Turn off the printer. Plug the power cable into the power socket on the wall, and then connect the other end of the cable to printer's power socket. Connect the Parallel cable, Serial cable, or Ethernet cable to the proper port on the printer and on your computer.
- Prepare the documentation and software CD-Rom from printer package and then install to CD-Rom drive of your computer. The CD-Rom will bring out the following prompt. Click "Go":



3. Under CP series product selection prompt, choose Seagull Driver version and then start installation:



Printer	Scanner	Portable Data Collector	
CP-2140	Argox 7.2.1 M-0 Bartende JL (BT93_ Command Librar Command Librar V4I Utilities Font Utility 2.07 Printer Utility 4.13 Documentation	Bartend (JL (BT93_2731_UL_Argox) Command Library (for professional user) Command Library V402 Ulifies Font Utility 2.07 Printar Utility 4.13	

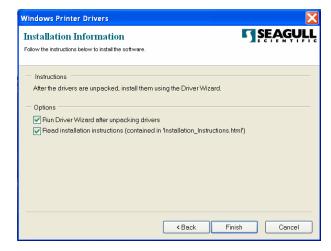
Instead of the flash prompt above, another way to install Seagull driver is to run the DriverWizard utility from the Installation Directory where the Seagull driver files are located. 4. On the prompt, Windows Printer Driver, select "I accept..." and click "Next".

lindows Printer Drivers	
License Agreement	ŞEAGULI
WINDOWS PRINTER DRIVER LICENSE AND LIMITED WARRANTY	
Seagull Scientific, Inc. ("Seagull") grants you a non-exclusive license to use the a Windows Printer Driver(s) and related documentation ("Seagull Software"), subjec provisions. You assume full responsibility for the selection of the Seagull Software intended results, and for the installation, use, and results obtained from the Seag Both the software and the related material are Copyrighted and are protected by I all rights and interests in the Seagull Software, wherever resident and on whateve shall remain the property of Seagull. Furthermore, by using the accompanying di to accept all terms of this license. If you object to any terms in this license, you	t to the following re to achieve your ull Software. aw. Title to and r media, are and river(s), you agree
I accept the terms in the license agreement	
○ I do not accept the terms in the license agreement	
K Back Next>	Cancel

5. Assign the directory to keep Seagull driver, (for example: C:\Seagull) and click "Next".

Windows Printer Dr	ivers	X
Installation Dire	•	ŞĘĄGŲĻĻ
	packed to the directory listed below. To unpack to a differ click Browse to select a different directory.	rent directory, either
Installation Directory:	C\Seagull	Browse
	Space required on drive:	33.0 MB
	Space available on selected drive:	8.3 GB
	Back Next >	Cancel

6. Click "Finish".



7. Select Install printer drivers and Click "Next"



<u>56</u>

8. Select model & emulation - the following examples are based on model CP-2140 PPLB:

eagull Driver Wizard	Đ
Specify Printer Model The manufacturer and model determine which printer	driver to use.
Specify the model of your printer.	
Printer Model	^
Argox A-50 PPL8 Argox A-100 PPL8 Argox A-150 PPL8 Argox A-200 PPL8 Argox A-200 PPL8 Argox A-200 PPL8 Argox A-2240 PPL8 Argox A-2240 PPL8 Argox A-2240 PPL8 Argox A-2240 PPL8	
Source: C:\Seaguil\New Folder Version: 7.1.6 M-3 (05/06/2009)	Browse
< Back	Next > Cancel

9. Select the port of the printer and click NeXt^{000VL PPLB}

Specify Port A port is used to conne	ct a printer to the computer.	6
Specify the port that you ar not listed below, create a r	re using. If you are connecting using TCP/IP or anothew port.	her port typ
Port	Туре	
COM28: COM29: COM2: FILE:	Serial Port (9600:8N1) Serial Port (9600:8N1) Serial Port (9600:8N1) Local Port	
LPT1	Parallel Port	
US8003 US8004	Virtual printer port for USB Virtual printer port for USB	
	Create Port Config	ure Port

10. Enter Printer name (i.e. Argox CP-2140 PPLB) and select "do not share this printer", and click "Next".

Seagull Driver W	izard	
Specify Printer N Names are use	lame Id to identify the printer on this computer and on the ne	twork.
Enter a name for t	his printer. Aroox CP-2140 PPLB	
	as the default printer	
	r not you want to share this printer with other network provide a share name.	users. When
Oo not share the share	nis printer	
OShare name:	Argox CP-2140 PPLB	
	< Back Next >	Cancel

11. Check all the data on the showing screen, if it is correct, click "Finish".

Seagull Driver Wizard			×
	Completin Wizard	g the Seagull Driver	
	A new printer will Name: Share Port: Default:	be installed using the following settings: Argox CP-2140 PPLB LPT1	
$\boldsymbol{\boldsymbol{\gamma}}$	Manufacturer: Model: Version:	Argox CP-2140 PPLB 7.1.8_M-0	
	To begin the drive	r installation process, click Finish.	
	C	< Back Finish Cancel	

12. After the related files have been copied to your system, click "Finish".



13. After driver installation is complete, click "Close". The driver should now be installed.



5. Caring for Your Printer

Print Head Maintenance Guide

To keep the Print Head remain in the best conditions and efficiency and to extend duration for use, regular cleaning action is needed:

Note: Always switch off printer power before cleaning. In case of long-time printing, surface of print head may be very hot. Please wait till print head cools down properly before maintenance, to prevent burns. During maintenance, do not directly touch print head surface, to avoid its damage and any possible injury to you. Use cleaning material instead.

Cleaning Interval

It's strongly recommended to regularly clean print heads at least when changing every one label roll (in direct thermal printing mode) or every one ribbon roll (in thermal transfer printing mode). In addition, if printers are operated under critical applications and environments, or if it's found that print quality is degraded, please clean print heads more frequently.

Cleaning Material

Surface of print head's heating element is very fragile. To prevent from any possible damage, please use soft cloth/ cotton buds with "Ethanol" or "IPA" to clean print head surface.

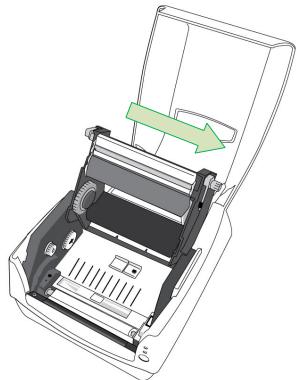
It's strongly recommended to wear hand gloves during cleaning progress.

Do not touch print head surface by bare hands or with any hard equipment.

Water or spit should be kept away in case of corrosion on heating elements.

Cleaning Direction

When cleaning the print head, always wipe in <u>One-Way Direction</u> - from Left to Right only, or, from Right to Left only, to clean "Heating Line" of print head gently without excessive stress. <u>Do not wipe back and forth</u>, to avoid dust or dirt on cleaning cotton would be attached onto print head again.



Special Caution:

Warranty of print heads will be void if print head serial number is removed, altered, defected, or made illegible, under every circumstance.

6. Product Specification

General Specification

Specifications	CP-2140 CP-2140Z CP-2140E	CP-3140 CP-3140E
Printing Method	Direct Thermal / Thermal T	ransfer
Printing Resolution	203 dpi(8 dots/mm)	300 dpi (12 dots/mm)
Printing Speed	2~4ips (50.8~101.6mm/s)	1~up to 4ips (25.4~101.6 mm/s)
Printing Length	Max 100"(2540mm) Min 0.2"(5mm)	Max 50"(1270mm) Min 0.2"(5mm)
Printing Width	Max 4.1"(104mm)	
Memory	8MB DRAM (5MB user available) 4MB Flash ROM (2MB user available)	8MB DRAM (5MB user available) 8MB Flash ROM (6MB user available)
CPU Type	32 bit RISC microproces	ssor
Sensors	Media Reflective sensor x 1 (movable) & Media Transmissive sensor x 1 (Center fixed) / Head open switch / Ribbon end sensor	
Operation Interface	LED indicator (Power/Ready)x 2, Button(Feed) x 1	
Communication Interface	CP-2140, CP-2140Z, CP-3140: Parallel, RS-232(Baud rate: 2400~115200 bps), USB CP-2140E, CP-3140E: Ethernet, RS-232(Baud rate: 2400~115200 bps), USB CP-2140, CP-2140E, CP-3140, CP-3140E: PPLA, PPLB CP-2140Z: PPLZ Seagull Driver, BarTender	
Emulation		
Software - Label editing		

Software – Utility	Printer Utility, Font Utility		
Media Type	Roll-feed, die-cut, continuous, fan-fold, tags, ticket in thermal paper or plain paper and fabric label		
Media	Max Width:4.33"(110mm) Min Width:1"(25.4mm) Thickness:0.0025"~0.01"(0.0635~0.254mm) Max roll capacity(OD):5"(127mm) Core size:1"(25.4mm) / Max roll capacity(OD):4.5"(114.3mm) Core size:0.5"(12.7mm) (optional) / Max roll capacity(OD):4.72"(120mm) Core size:1.5"(38.1mm) (optional) Min Length: 0.79"(20mm) for rotary cutter option		
Ribbon	Ribbon roll – max OD: 2.6"(67mm) Ribbon Length: max 300m Core size – ID: 1"(25.4mm) Ribbon Width: 1"~4", Wax, Wax/Resin, Resin (Ribbon wound ink-side out or ink-side in)		
Dimensions	L 273mm x W 225	5mm x H 186mm	
Weight	2.1kg		
Power Source	Universal Switching Power Supply Input: 100~240V,1.8A, 50-60Hz, Output: 24VDC, 2.4A	Universal Switching Power Supply Input: 100~240V,1.5A, 50-60Hz, Output: 24VDC, 2.91A	
Operation Environment	Operation Temperature: 40°F~100°F (4°C~38°C), 10% ~ 90% non-condensing, Storage Temperature: -4°F~122°F (-20°C~50°C)		
Media Stacker	Optional: CP-2140, CP-2140E, CP-2140Z Standard: CP-3140		
Optional Items	Cutter, RTC Card, ArgoKee		
Agency Listing	CE, FCC, cTUVus, CCC, RoHS		

Fonts, Barcodes, and Graphics Specification

The specifications of fonts, bar codes and graphics depends on the printer emulation. The emulations PPLA, PPLB, and PPLZ are printer programming languages, through which the host can communicate with your printer.

Printer Programming Language PPLA

Programming Language	PPLA
Internal fonts	9 fonts with different point size 6 fonts with ASD smooth font. Courier font with different symbol sets.
Symbol sets (Code pages)	Courier font symbol set: Roman-8, ECMA-94, PC, PC-A, PC-B, Legal, and PC437 (Greek), Russian.
Soft fonts	Downloadable soft fonts by Font Utility
Font size	1x1 to 24x24 times
Character rotation	0, 90, 180, 270 degree, 4 direction rotation
Graphics	PCX, BMP, IMG, GDI and HEX format files
	Code 39、UPC-A、UPC-E、Code 128 subset
	A/B/C、EAN-13、EAN-8、HBIC、Codabar、Plessey、
1D Barcodes	UPC2、UPC5、Code 93、Postnet、UCC/EAN-128、,
12 24100000	UCC/EAN-128 K-MART、UCC/EAN-128 Random
	weight、Telepen、FIM、Interleaved 2 of 5 (Standard/with modulo 10 checksum/ with human

	readable check digit/ with modulo 10 checksum & shipping bearer bars) 、GS1 Data bar (RSS)	
2D Barcodes	MaxiCode、PDF417、Data Matrix (ECC 200	
2D Barcoues	only) 、QR code、Composite Codes	

Printer Programming Language PPLB

Programming Language	PPLB	
Internal fonts	5 fonts with different point size	
Symbol sets (Code pages)	8 bits code page : 437, 850, 852, 860, 863, 865, 857, 861, 862, 855, 866, 737, 851, 869, 1252, 1250, 1251, 1253, 1254, 1255 7 bits code page: USA, BRITISH, GERMAN, FRENCH, DANISH, ITALIAN, SPANISH, SWEDISH and SWISS (300dpi printer models support Code page 437, 850, 852, 860, 863, 865, 1254 only)	
Soft fonts	Downloadable soft fonts by Font Utility	
Font size	1x1 to 24x24 times	
Character rotation	0, 90, 180, 270 degree, 4 direction rotation	
Graphics	PCX , Binary Raster, BMP and GDI	
1D Barcodes	Code 39、UPC-A、UPC-E、Matrix 2 of 5、 UPC-Interleaved 2 of 5、	
	Code 39 with check sum digit 、Code 93、EAN-13、	

	EAN-8 (Standard, 2 /5digit add-on) 、Codabar、
	Postnet、Code128 subset A/B/C、
	Code 128 UCC (shipping container code) 、
	Code 128 auto、UCC/EAN code 128 (GS1-128) 、
	Interleave 2 of 5、Interleaved 2 of 5 with check
sum、Interleaved 2 of 5 with human readable	
check digit, German Postcode, Matrix 2 of 5,	
Interleaved 2 of 5, EAN-13 2/5 digit add-on, U	
	2/5 digit add-on、UPCE 2/5 digit add-on、
GS1 Data bar (RSS)	
2D Barcodes	MaxiCode、PDF417、Data Matrix (ECC 200
2D Barcoues	only) 、QR code、Composite Codes

Printer Programming Language PPLZ

Programming Language	PPLZ
	8 (A~H) fonts with different point size. 8 AGFA fonts: 7 (P~V) fonts with fixed different point size (not scalable). 1 (0) font with scaling point size.
Symbol sets	USA1, USA2, UK, HOLLAND, DENMARK/NORWAY, SWEDEN/FINLAND, GERMAN, FRANCE1, FRANCE2, ITALY, SPAIN, MISC, JAPAN, IBM850
Soft fonts	Downloadable soft fonts by Font Utility
Font size	1x1 to 10x10
Character	0, 90, 180, 270 degree, 4 direction rotation

rotation	
Graphics GRF, Hex and GDI	
	Code39、UPC-A、UPC-E、Postnet、Code128
	subset A/B/C、Interleave 2 of 5、
1D Barcodes	Interleaved 2 of 5 with check sum、 Interleaved 2 of 5 with human readable check digit、Code 93、Code 39 with check sum digit、 MSI、EAN-8、Codabar、Code 11、EAN-13、 Plessey、GS1 Data bar (RSS) 、Industrial 2 of 5、
	Standard 2 of 5、Logmars
	MaxiCode、PDF417、Data Matrix (ECC 200
2D Barcodes	only) 、QR code、Composite Codes

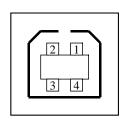
Interface Specification

This section presents the interface specifications of IO ports for the printer. These include pin assignments, protocols and detailed information about how to properly interface your printer with your host or terminal.

USB Interface

Connector Terminal Pin Assignment

Pin	Signal	Description
1	VBUS	5V
2	D -	Differential data signaling pair -
3	D +	Differential data signaling pair +
4	GND	Ground



USB series "B" Receptacle Interface

Serial Interface

The RS232 connector on the printer side is a female, DB-9.



Pin	Signal	Description
1	No function	Shorted to Pin - 6
2	Received Data, RxD	Input. Serial "Received Data"
3	Transmitted Data, TxD	Output. Serial "Transmitted Data".
4	No function	No connection
5	GND	Signal Ground
6	No function	Shorted to Pin - 1
7	Request to Send, RTS	Output. Used as the control signal for "H/W Flow Control "
8	Clear to Send, CTS	Input. Used as the control signal for "H/W Flow Control"
9	+5V	Output. Pin 9 is reserved for KDU (keyboard device unit)

Note :

Pin 9 are reserved for KDU (keyboard device unit), therefore

do not connect these pins if you are using a general host like a PC.

communicate with two PCs via different ports. However as no port contention is made for this printer, if both PCs transmit data at the same time the data may become damaged in the receiving buffer.

Ethernet Interface

The following port complies with Ethernet communication.

Pin	Signal
1	Transmit+
2	Transmit-
3	Receive+
4	Reserved
5	Reserved
6	Receive-
7	Reserved
8	Reserved

1	2	3	4	5	6	7
---	---	---	---	---	---	---

∞	

Parallel (Centronics) Interface

The parallel port is a standard 36-pin Centronics, which complies with IEEE 1284 standard (compatibility mode). Pin assignments are as follows:

Pin	Direction	Definition	Pin	Direction	Definition
1	In	n/STROBE	16	-	Ground
2~9	In	Data 1~8	17	-	Ground
10	Out	nACK	18	-	NC
11	Out	BUSY	19~30	-	Ground
12	Out	PE	31	In	NC
13	Out	5V	32	Out	nFAULT
14	In	NC	33~35	-	NC
15	-	NC.	36	In	NC

Auto Polling

Both the serial port and parallel port of this printer can be activated at the same time, i.e. the printer can simultaneously

Connection with Host

Host 25S	Printer 9P	Host 9S	Printer 9P
(PC or co	mpatible)	(PC or co	mpatible)
DTR 20	1 DSR	DTR 4	1 DSR
DSR 6	6 DTR	DSR 6	6 DTR
TX 2	2 RX	TX 3	2 RX
RX 3	3 TX	RX 2	3 TX
CTS 5	7 RTS	CTS 8	7 RTS
RTS 4	8 CTR	RTS 7	8 CTS
GND 7	5 GND	GND 5	5 GND

Alternatively you can just connect the 3 wires in the following way.

Host 25S	Printer 9P	Host 9S	Printer 9P
(PC or com	patible)	(PC or c	compatible)
TX 2	2 RX	TX 3	2 RX
RX 3	3 TX	RX 2	3 TX
GND 7	5 GND	GND 5	5 GND
pin 4 —		pin 4	
pin 5 🛛 🗌		pin 6	
pin 6 🛛		pin 7	
pin 20 🛛		pin 8	
		<u>71</u>	

The simplest way to connect to other hosts (not PC compatible) or terminals is:

Printer	Terminal/Host
Pin 2- RxData	 TxData
Pin 3- TxData	 RxData
Pin 5- Ground	 Ground

In general, as long as the data quantity is not too large and you use Xon/Xoff as flow control, it will be problem free.

Baud rate: 2400, 4800, 9600(default), 19200, 38400, 57600, 115200 bauds.(programmable by command)

Data format: always 8 data bits, 1 start bit and 1 stop bit.

Parity: always non parity

Handshaking: XON/XOFF as well as CTS/RTS (hardware flow control).

If you run an application with the bundled printer driver under Windows and use the serial port, you should check the above parameters and set the flow control to "Xon/Xoff "or "hardware".

7. Appendix

Rotary Cutter and Guillotine Cutter Installation

Warning: Blades inside cutters are quite sharp. To ensure your safety, never attempt to insert fingers or objects into rotary cutter or guillotine cutter. During all cutter operations including installation, adjustment, or recovery from paper jam, please power off printer first and unplug printer's power cord.

Refer to the following steps to install the cutter kit onto printers:

- 1. Power off the printer.
- 2. Open Top Cover. Remove Front Cover.

3. Loose the two screws (item 2) under Bottom (item 1).

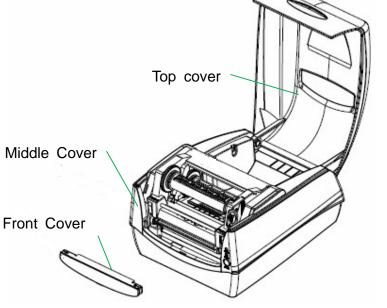
4. Pull out to unlatch the front side of Middle Cover (item 3) and then remove it upward from Bottom.

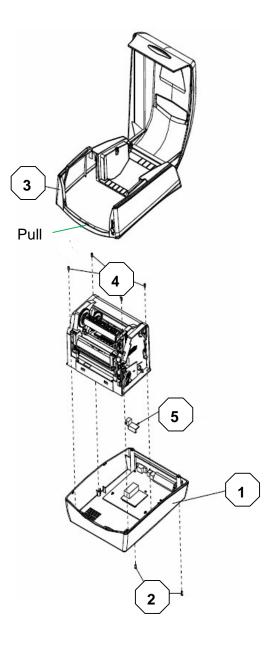
5. Loose the four screws (item 4) at both sides of Printer Module to take Printer Module off from Bottom.

6. Find Cutter Baby Board in cutter package (item 5), and then install onto **JP16** socket on printer main board.

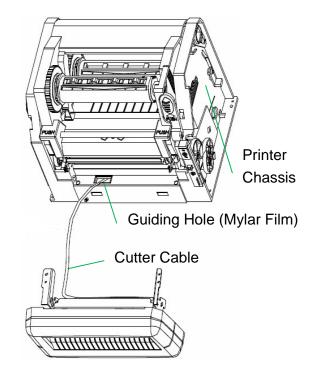


<u>74</u>





7. Remove Mylar Film from Printer Chassis. Thread CutterCable through the hole where Mylar Film locates, and then connect toJP9 connector (CUTTER) on printer main board. Cutter Cable shouldgo though the hooks under Printer Chassis to manage cables better.Make sure Cutter Cable go upon the font side of Middle Cover.



8. Assemble back Printer Chassis and Middle Cover.

9. Pull the font side of Middle Cover. Then assemble back with Bottom downward.

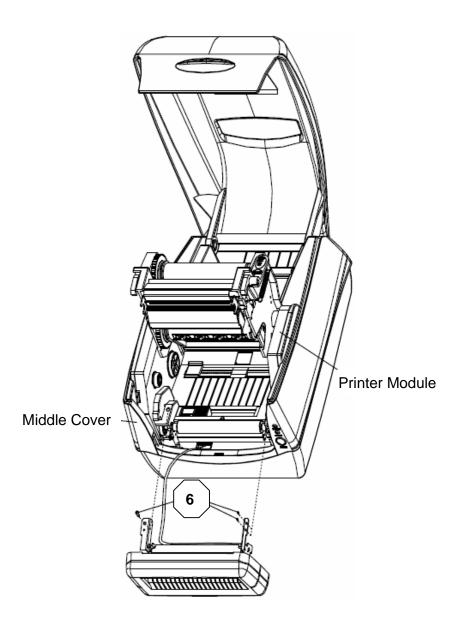
10. Fix the two screws to Bottom.

11. Install Cutter Module by fixing Cutter Bracket (item 6) on Printer Chassis with screws.

12. Close Printer Module and Top Cover.

Now cutter installation has been completed through the steps above.

To load media, please refer to the section – Loading Media.



Rotary Cutter and Guillotine Cutter Settings

Before printing and cutting tasks, please make sure whether the cutter in use is Rotary Cutter, or Guillotine Cutter. Then select proper settings via Seagull Driver for printer. The following installation steps are based on CP-2140 as an example.

1. Check CP-2140 driver. Go to the prompt of Printer Properties, click on the tag, "Tools':

1	A	rgox CP	-2140 PPLB F	Properties	
General	Sharing	Ports	Advanced	Color Management	Security
F	onts		Tools	Abo	ut
Print -	Action -	Configur	e -		
	Driver Opti	ions		Logging Options	
	Status Moni	toring		Manage Cache	

2. Click the "Configure" setting of driver, select "Cutter Setup":

General	Sharing	Ports	Advanced	Color	Management	Securit
F	onts		Tools		Abo	ut
Print 🔻	Action 🔻	Configu				
Print -	Action -		re ▼ Installed Features	5		

3. "Cutter Setup" prompts will be indicated as below.

Check on the radio button, "Rotary" if there's Rotary Cutter installed. Then click "OK":

(Cutter Setup	X
Cutter Type		
	ОК	Cancel

Check on the radio button, "Guillotine" if there's Guillotine Cutter installed. Then click "OK":



<u>79</u>

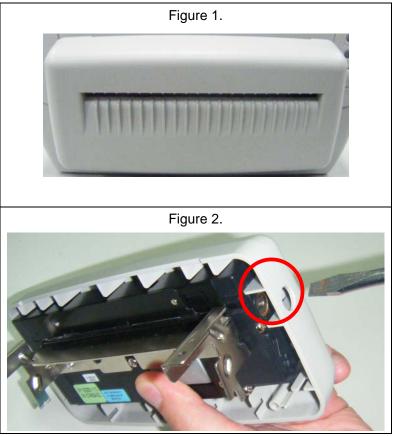
4. Go to "Printing Preference" prompt of CP-2140 driver and then click on the "Stock" tag. Check "Post-Print Action" settings and select "Cut".

ge Setup Grap Media Settings	hics Stock Options About	
Print Method:	Thermal Transfer 🗸 🗸	
Media Type:	Labels With Gaps	~
Gap Height:	0.12 in	
Mark Height:		
Extra Feed:	Include All Whitespace	e
Media Handling		
Post-Print Action		~
Occurrence:	None Tear Off	
Interval:	Cut Partial Cut	

X If there's Guillotine Cutter installed and partial cut function is needed, select "Partial Cut" in "Post-Print Action".

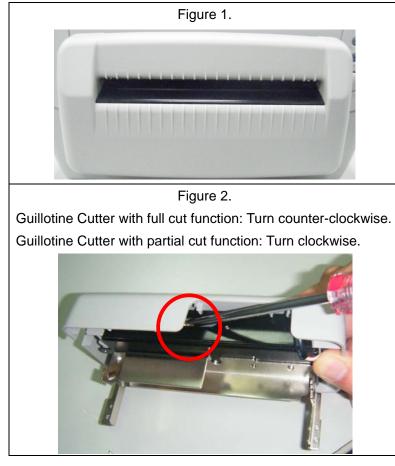
Rotary Cutter with Paper Jam

If there is paper jam inside rotary cutter, refer to Rotary Cutter Installation section to remove the rotary cutter. Check the Cam as marked in Figure 1; find a slotted screwdriver to turn counter-clockwise as Figure 2. During turning the Cam of cutter, release the blade from paper and them remove the paper from the cutter.



Guillotine Cutter with Paper Jam

If there is paper jam inside guillotine cutter, check in Figure 2 and find where the screw under guillotine cutter. It is to control cut actions of guillotine cutter. Find a Phillips screwdriver to lay down the blade by turning the screw as directions marked in the figures. Then paper can be removed from the cutter.



Compact Printer Series - User's Manual