

# LP423N / LP433N USER MANUAL



User Manual: LP4 series Issue Date: 2020/11/18

Version 4.2



### **Declaration**

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### **Trademark**



Our registered trademark: WINCOD

# **Compliances**

CE Class A

FCC Part 15, Class A

CB

Comply with RoHS regulation

#### Warning

This is a Class A product. In the living environment, this product may cause radio interference. In this case, it may be necessary for the customer to take practical measures for interference.



# **Safety Instructions**

Please read the following instructions carefully.

- Install printer on the flat and stable place. To avoid printer exposed in the high temperature or high humidity or polluted place.
- 2. Do not disassemble the printer and adapter under any circumstances.
- Please check the voltage before printer is connected with power outlet; If
  printer is deemed to idle for a long time, please pull out the power cord to
  avoid voltage instability to cause printer damage.
- 4. If printer gets water or conductive material, please shut off the power immediately to ensure the safety of personnel and equipment.
- 5. To avoid printer to start printing while there is no label paper installed; otherwise the print head and platen roller would be damaged.
- 6. The print head is a thermal part, please do not touch it or its peripherals during printing or after printing.
- Shut down the printer when connecting or disconnecting interfaces to avoid any damage happened.
- 8. Please choose designated adapter model of Wincode to connect printer accordingly.



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## 1. Product Introduction

Thank you for purchasing Wincode's LP4N series label printer, this desktop label printer with reasonable price has reliable quality to provide user highly-efficient printing performance. The LP4 series printer not only can print label in text or graphic formats, but owns basic function and convenient operation interface.

In addition, LP4N series label printer with elegant bright black enclosure has cover open buffer design to avoid hand clamped in operation; The maximum 5" outside diameter label loading space; Dual ribbon loading design enables user to use 100m or 300m ribbon; It is also equipped 32 bit processor with highly efficient relevant configurations to make printing action smoothly and clearly so it can be applied in the different fields such as retailing, health care, manufacturing, logistics, warehousing and so on.

The bundled label design program as "WinLabel" provides completed label design tools and barcode resource for user to design ideal label format; Free database function can be connected with Excel, Access, Text file...etc. and get required information in the specified position of label. Standalone function can support advanced models LP4A series to produce standalone format label.



# 1.1 Unpacking and checking

Unpacking the package, and refer to the below packing list to check whether any part is damaged or missing in transit. If this incident has been happened, please contact with local dealer or distributor for further assistance.





# 1.2 Appearance



(Figure 1: Front View)



(Figure 2: Rear View)



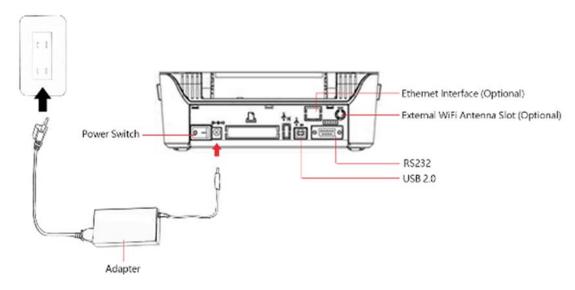


(Figure 3: Inside View)



# 2. Setup

### 2.1 Setting up the printer



- 1.) Place the printer on the flat surface.
- 2.) Make sure the power switch is OFF.
- 3.) Choose corresponding cable (RS232 or USB 2.0) to connect printer with computer.
- 4.) Plug the DC power cord into the power slot and plug the AC power cord into a socket on the wall.

#### Note: Power Cord instruction

- To use 100-125 Voltage, please choose minimum rating power cord. (125V, 10A)
- To use 200-240 Voltage, please choose minimum rating power cord. (250V, 10-16A)
- Please select the power cord length less than 2 meter.
- Power cord is connected with adapter and have to plug in the jack as ICE-320-C13 as right figure.



Country/ Area	North	Europe	China		
	America/Taiwan				
Power cord	125V, 10A	250V,10A	250V,10A		
Voltage and	SVT 18AWG	H05VV-F	RVV H05VV-F		
Electricity Spec.					
Plug (Refers to the					
local plug standard)					
	125V, 10A	250V, 16A	250V, 10A		



# 2.2 Ribbon Loading

1" core (300m length ribbon)
 Open the ribbon cover and top cover; Install an empty paper core onto the ribbon take-up spindle; Install a ribbon onto the ribbon supply spindle.







0.5" core (100m length ribbon)

Open the ribbon cover and top cover; install the two 0.5" ribbon caps on the right white holders.









2) Pull back the pressing lever, then load the right side of ribbon first into the ribbon supply mechanism.

The left side of ribbon supply spindle needs to be connected with bulge part of left supply mechanism completely (Turn the gear until the bulge part in the notch of spindle).









3) Load the right side of paper core first into the ribbon take-up mechanism.

The left side of ribbon take-up spindle needs to be connected with bulge part of take-up mechanism completely. (Turn the gear until the bulge part in the notch of spindle).







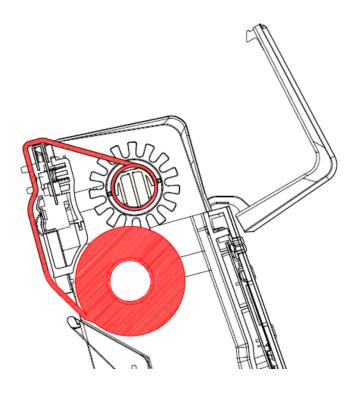
4) Pull the ribbon to bypass print head and then attach the ribbon leader on the empty paper core with tapes, then rotate the ribbon rewind wheel until ribbon surface has no wrinkle; Close the ribbon cover to finish ribbon installation.







### 6. Ribbon Installation Path





# 2.3 Label Loading

1) Hold on each side of label holder, press the orange buttons and then arrange the width, and place a label roll between the holders.





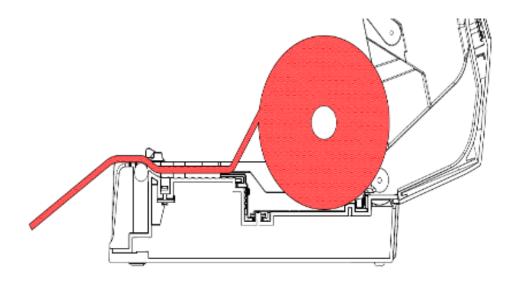
2) Pull the label paper through the rubber roller and push the both sides of label under the label guides. Close the top cover to finish label installation.







# 3) Label installation path







### 2.4 Real Time Clock Battery Installation

#### 2.4.1 Get started (Battery is excluded in the LP4N model)

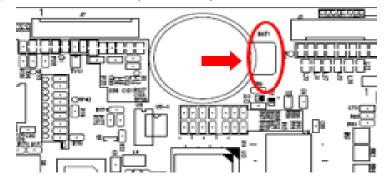
- 1) Turn off the power, and then remove the power cord and relevant connected cable.
- 2) Open the chassis cover at the bottom, there is a battery with insulation sheet.



3) Pull out the insulation shim.

#### 2.4.2 Replace the battery

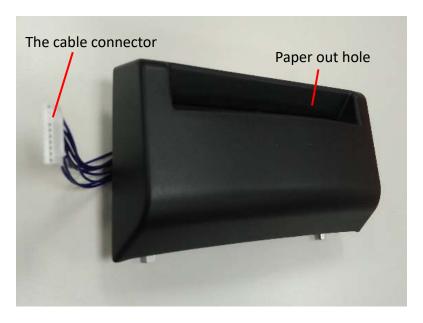
- 1) Turn off the power and disconnect all the cables attached.
- 2) Loose the three screws at the bottom, and then open the lower part cover to see the motherboard.
- 3) Press the button beside the battery as below figure.
- 4) The battery would be left from the mount.
- 5) Place a new battery and then press until it is fixed in the installation mount.



<sup>\*</sup>Notice: the battery model CR2032 is recommended.



# 2.5 Cutter Installation (Optional)

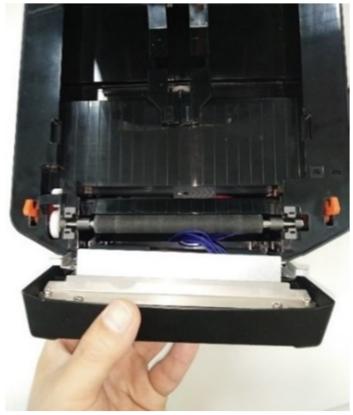


- 1) Turn off the power and disconnect all the cables attached.
- 2) Open the upper cover and take down the front baffle.
- 3) Make the connected cable go through the hole of right side of lower part.





4) Place the cutter in the position of the front baffle, and then close the cover.



5) Open the bottom cover, and find the cable of cutter inside.





6) Place this cable into the slot of motherboard, and close the bottom cover.



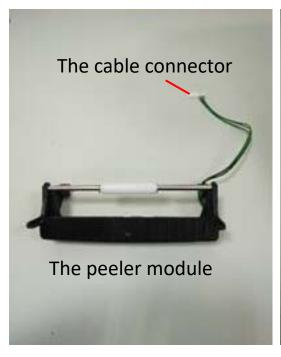
# 2.5.1Label Installation

- 1) Follow 2.3 to load on the label.
- 2) Pull out the label through the paper outlet hole, and then close the cover.





# 2.6 Peeler Installation (Optional)





- 1) Turn off the power and disconnect all the cables attached.
- 2) Open the upper cover and take down the front baffle.
- 3) Make the connected cable go through the hole of right side of lower part.





4) Install the peeler module into the two holes of the left and the right sides of the lower cover part (right-side go first).







5) Place the spring part on the iron piece firstly, and install this iron piece into the notches (spring side in the right side) and then check if the arrow mark of iron piece pointing to the front.



- 6) Open the peeler module, and then close the upper cover.
- 7) Open the bottom cover and find the peeler cable connector.
- 8) Place the cable connector into the slot of motherboard and then close the bottom cover.



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### 2.6.1Label Installation

- 1) Follow 2.3 to load on the label.
- 2) Tear the first labels and leave the backing liner, pull down the backing liner and make the label through between the iron piece and white roller.



3) Push back the peeler module, and then close the upper cover.

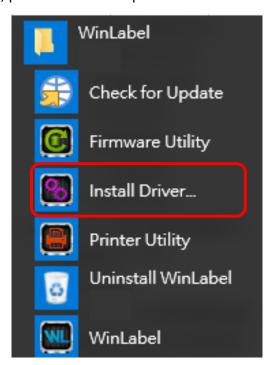




# 3. Driver installation

The printer could support USB, RS232 and TCP/IP connection. After WinLabel installation, the user could find and execute it in the start menu of Windows. For the WIFI or Ethernet connection, please select "adding TCP/IP port" to install driver.

For RS232 connection, please select COM port to install driver.





### 3.1 Printer Installation

#### Step1

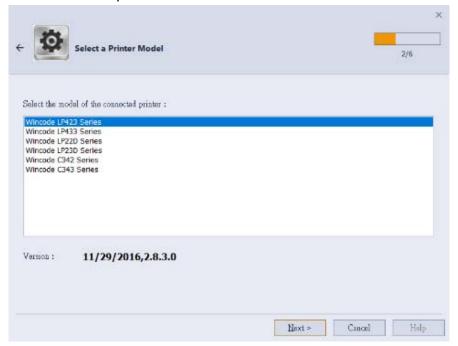
After WinLabel installation, the user could find the "Install Driver" icon in the START menu to execute it.

Connect printer to the computer with USB/ RS-232 / LPT cable and then press the Next icon.

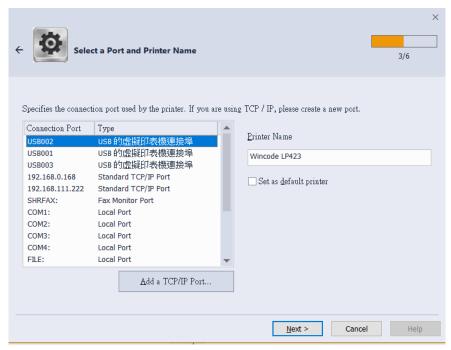


#### Step2

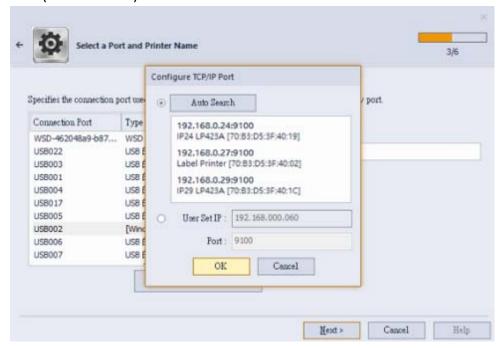
Choose the model of the printer and then click "Next".







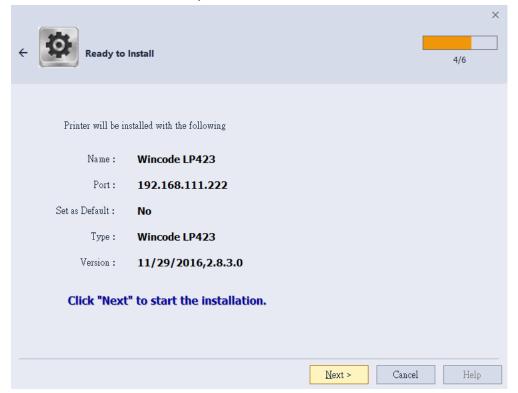
- USB connection: the program will select the connected port automatically.
- RS-232, LPT connection: please select the corresponding COM or LPT port.
- Ethernet or WIFI or share IP connection: please select "add a TCP/IP port"
  - Automatically search: this function would search the whole printers that are ready connected to the router, it will bring a corresponding IP of each printer automatically.
  - If the user selects the manual IP input, please insert the custom IP and port (default: 9100).





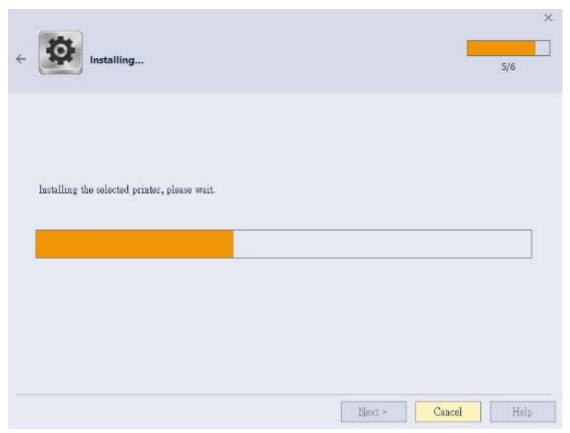
#### Step3

If the showed information is correct, click "Next" to start driver installation.



#### Step4

The driver installation would require several minutes.





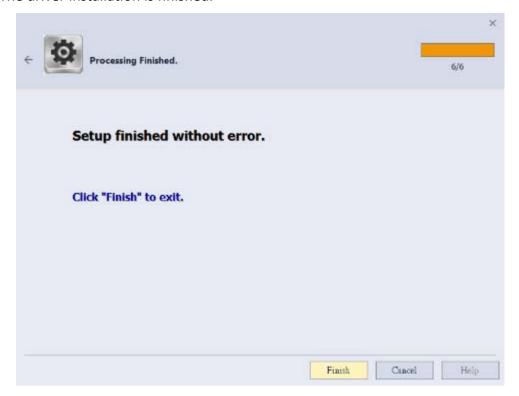
#### Step5

If a "Windows Security" window popup, please select "install this driver software anyway".



#### Step6

The driver installation is finished.

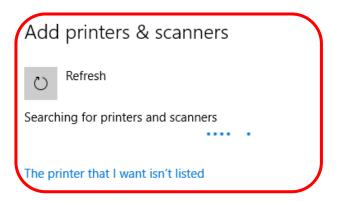




### 3.2 Install driver with "Add a Printer" in Microsoft

Use the "add new printer" at the control panel of Microsoft to install the driver

- Windows 10 Platform
  - 1) Click "Start" > "Setting" > "Devices" > "Printers & scanners"
  - 2) Click "Add a printer or scanner" and then start searching, if the device cannot be found, select "The printer that I want isn't listed"

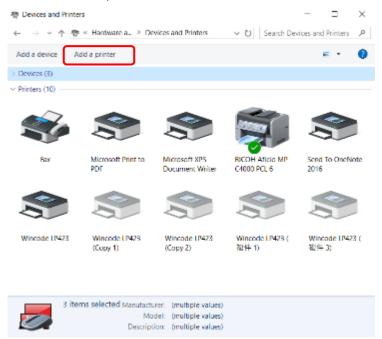


#### Printers & scanners



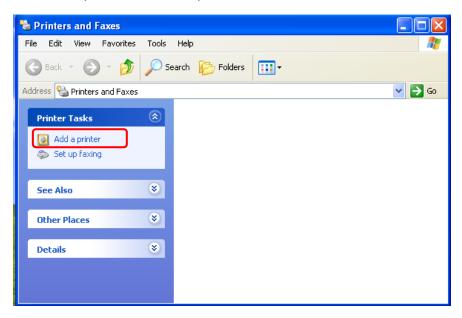
EPSON LQ-690C ESC/P2

- Windows 7 and Windows 8 Platform
  - 1) Enter "Devices and printers" from the control panel or click "start" and select "Devices and printers"
  - 2) Click "Add a new printer"





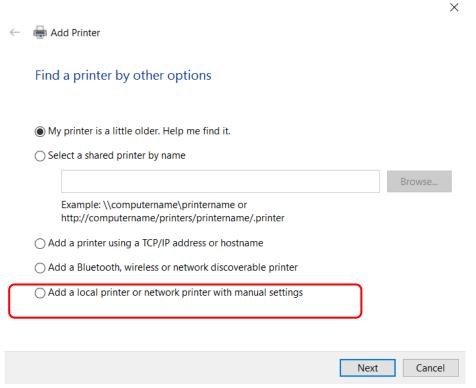
- Windows XP Platform
  - 1) Enter "Printers and Faxes" from the control panel or click "start" and select "Setting" > "Printers and Faxes"
  - 2) Click "Add a printer" > "Add a printer wizard"



#### 3.2.1 Printer Installation

(For example: in the windows 10 platform)

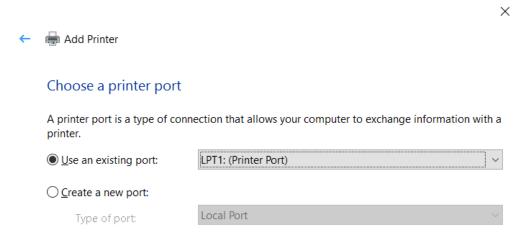
1) Follow the step above, select "The printer that I want isn't listed" > "Add a local printer or network printer with manual settings" > "Next"

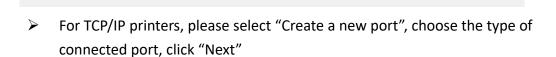




#### 2) Choose a printer port

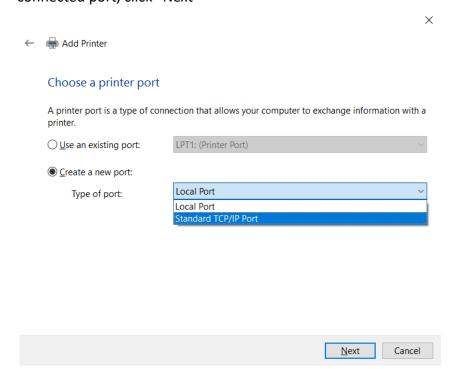
For USB, COM, LPT printers, please select "Use an existing port", choose the corresponding port, then click "Next" (Then go to step "6)")





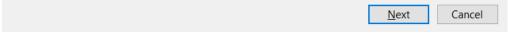
<u>N</u>ext

Cancel

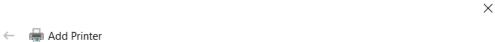




3) Key-in the IP address of the printer and then click "Next". Х Add Printer Type a printer hostname or IP address TCP/IP Device Device type: 192.168.0.123 Hostname or IP address: 192.168.0.123 Port name: Query the printer and automatically select the driver to use



4) Wait for TCP/IP port detecting.

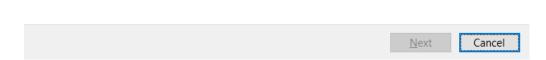


#### Detecting TCP/IP port

Detecting the TCP/IP port...

Windows will automatically move to the next page when the detection is complete.

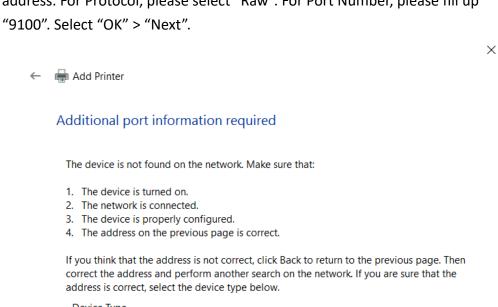




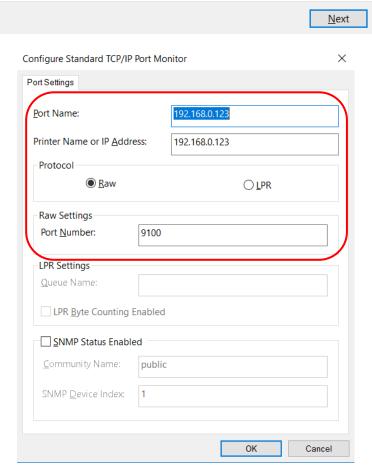
Cancel



5) Select "Custom" in "Settings", and fill up the port name, printer name or IP address. For Protocol, please select "Raw". For Port Number, please fill up "9100" Select "OK" > "Next"

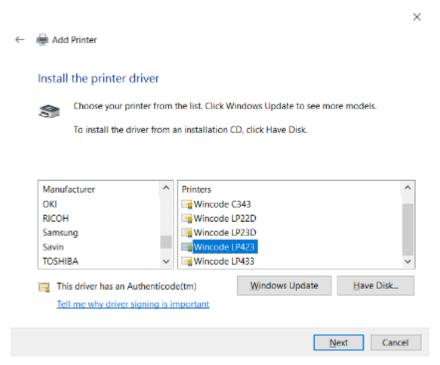




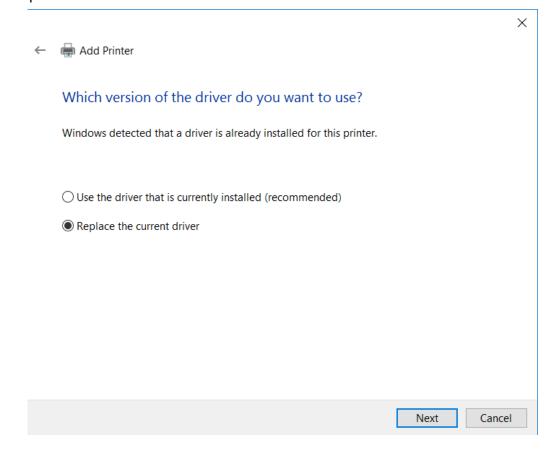




6) Choose the printer driver that you want to install, and select the printer manufacturer and then select the printer driver . Click "Next".



\*If the same driver has been installed, it will show the following window, select "Replace the current driver" and click "Next".





Enti	er the printer na	me, click "Next".
<b>←</b>	🖶 Add Printer	
	Type a printer i	name
	Printer name:	Wincode LP423 (Copy 4)
	This printer will be i	nstalled with the Wincode LP423 driver.
		Next Cancel
Se	elect "Do not sh	
Se	elect "Do not sha	Next Cancel are this printer" click "Next".
S€	elect "Do not sha	
		are this printer" click "Next".
	Add Printer  Printer Sharing	are this printer" click "Next".
	Add Printer  Printer Sharing  If you want to share	are this printer" click "Next".
	Add Printer  Printer Sharing  If you want to share	are this printer" click "Next".  this printer, you must provide a share name. You can use the suggested
	Add Printer  Printer Sharing  If you want to share	this printer" click "Next".  this printer, you must provide a share name. You can use the suggested one. The share name will be visible to other network users.
	Add Printer  Printer Sharing  If you want to share name or type a new	this printer" click "Next".  this printer, you must provide a share name. You can use the suggested one. The share name will be visible to other network users.
	Add Printer  Printer Sharing  If you want to share name or type a new  Do not share this  Share this printer	this printer" click "Next".  this printer, you must provide a share name. You can use the suggested one. The share name will be visible to other network users.
	Add Printer  Printer Sharing  If you want to share name or type a new	this printer" click "Next".  this printer, you must provide a share name. You can use the suggested one. The share name will be visible to other network users.
	Add Printer  Printer Sharing  If you want to share name or type a new  Do not share this  Share this printer	this printer" click "Next".  this printer, you must provide a share name. You can use the suggested one. The share name will be visible to other network users.
	Add Printer  Printer Sharing  If you want to share name or type a new  Do not share this  Share name:	this printer" click "Next".  this printer, you must provide a share name. You can use the suggested one. The share name will be visible to other network users.
	Add Printer  Printer Sharing  If you want to share name or type a new  Do not share this  Share this printer  Share name:  Location:	this printer" click "Next".  this printer, you must provide a share name. You can use the suggested one. The share name will be visible to other network users.
	Add Printer  Printer Sharing  If you want to share name or type a new  Do not share this  Share this printer  Share name:  Location:	this printer" click "Next".  this printer, you must provide a share name. You can use the suggested one. The share name will be visible to other network users.



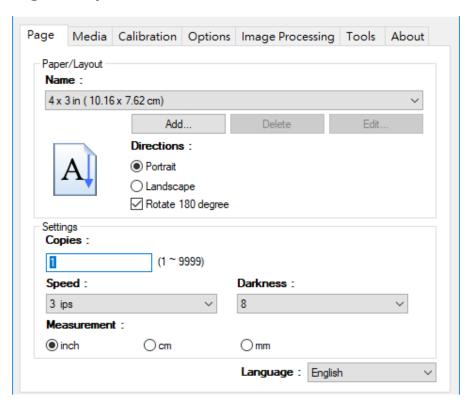
9) The user may select "Set as the default printer", click "Finish".

		×
$\leftarrow$	Add Printer	
	You've successfully added Wincode LP463	
	Set as the default printer	
	To check if your printer is working properly, or to see troubleshooting information for the printer, print a test page.	ı
	Print a test page	
	Finish Cancel	



### 3.3 Printing Setup (Driver Setup)

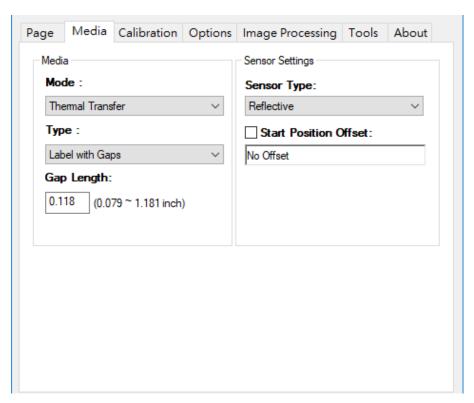
### 3.3.1 Page Setup



Item	Description
Paper/Layout	➤ Name: Choose paper size (4 x 3 inch and 2 x 1
	inch); User can also define frequently-used paper
	size by adding new label format.
	Directions: Portrait and landscape (rotate 90
	degrees); 180 degrees rotation is default settings.
Settings	Copies: Each page quantity
	Speed: Printing speed
	Darkness: Adjust Printing darkness status.
	Caution: If the value is higher, that would cause the
	temperature of print head higher, and would make
	ribbon melting and breaking easily. (Suggest value
	less than 8 for wax ribbon, the value more than 10 for resin ribbon)
	Measurement: inch, cm, and mm.



### 3.3.2 Media Settings



Item	Description	
Media	Mode: Thermal Transfer and Direct Thermal.	
settings	"Thermal Transfer" mode means that printer needs to be	
	loaded ribbon for printing.	
	"Direct Thermal" mode means that printer does not require	
	ribbon but need to be loaded thermal paper.	
Media type	Label with gaps :	
	"Gap Length" is the distance between two labels.	
	Label with marks:	
	"Black Line" is the thickness in each black line.	
	Continuous:	
	Continuous label type: Ignoring the gap or mark of label	
	> Stop On Last Element: Printing action will stop while	
	printing the last label	
Sensor	Sensor type:	
settings	Use Current Printer Setting (by previous setting)	
	Reflective sensor (Recommend)	



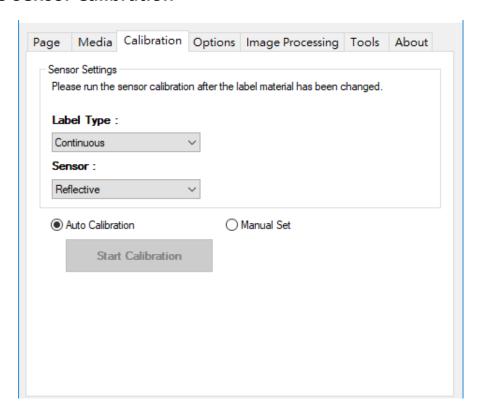
#### Transmissive sensor $\triangleright$

Start Position Offset: (recommend to input number when the printing pattern has a little bit shift up or shift down) If selected, user could fill up the value by dot. (+value: pattern shifts up; 203dpi: 1mm=8 dots; 300dpi:

1mm=12 dots.)



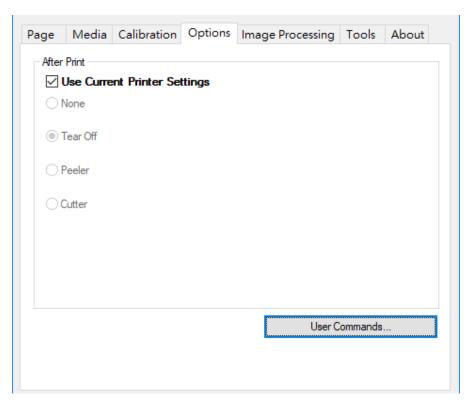
### 3.3.3 Sensor Calibration

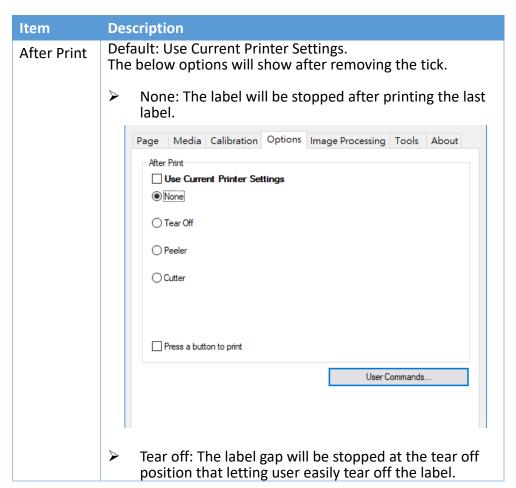


Item	Description
Auto Calibration	The calibration would adjust the sensitivity of sensor according to the feeding label thickness.
	We suggest to run the "Auto calibration" for most kinds of labels, or while the label material is different from the previous label. If it is the same material but different size, user only needs to adjust the page size.
Manual Set	Sensor Strength: Middle or High are recommended. Higher sensor strength would detect thicker label.  Manual Set  Sensor Strength:  Middle  Set to Printer



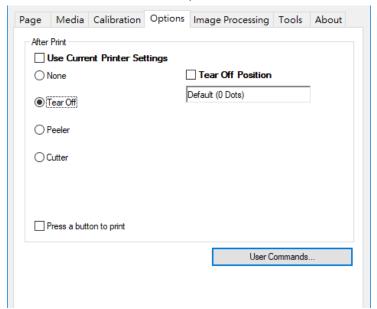
### 3.3.4 Options





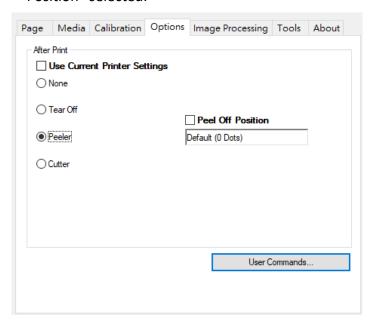


The tear off position is adjustable as long as selecting the "Tear Off Position" option.



Peeler: with peeler module, the labels can be peeled continuously while printing. The printer will feed the next label after the current label peeled.

The Peel position can be adjusted with the "Peel Off Position" selected.

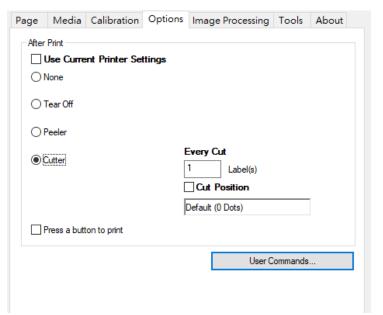


Cutter: with cutter module, the cutter operates after printing each label.



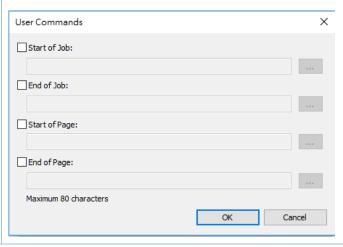
"Every Cut": the amount of pages that come out once running the cutter.

"Cut Position": the cutting position will be adjustable while selected.



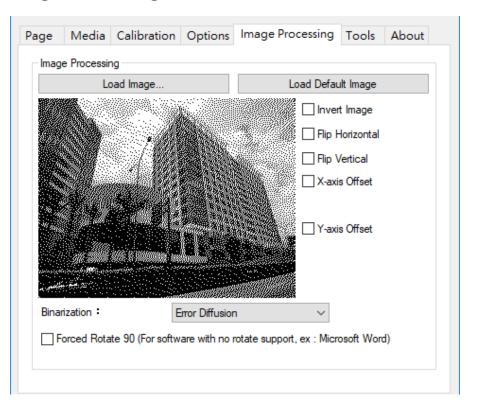
### User Commands

User can fill in the printer commands in this dialog when it is needed. Select and press "...", a new window will pop out and the user can key in the commands.





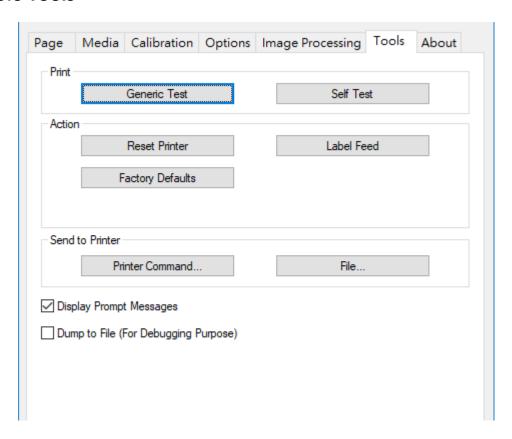
### 3.3.5 Image Processing



Item	Description
Image Processing	<ul> <li>➤ Load Image: The selected image will be displayed in below area.</li> <li>➤ Load Default Image.</li> <li>➤ Binarization:</li> <li>Converts color images to different kind of black-and-white image.</li> <li>F8S Error Diffusion</li></ul>
	<ul> <li>Invert Image: Convert image color.</li> <li>Flip Horizontal: Flip along X axis.</li> <li>Flip Vertical: Flip along Y axis.</li> <li>X-axis Offset: Adjust the print position in the horizontal direction.</li> <li>Y-axis Offset: Adjust the print position in the vertical direction.</li> <li>Forced Rotate 90° (If the software with no rotation support. e.g. Microsoft Word.): Only select when there is the printing rotation error in landscape direction.</li> </ul>



### **3.3.6 Tools**



Item	Description
Print	<ul> <li>Generic Test: ask printer to print a label with texts for testing purpose.</li> <li>Self-Test: ask printer to print a label with inside parameters of printer.</li> </ul>
Action	> Reset Printer: Restart printer.
	> Factory Defaults: Inside parameters to be default
	> Label Feed: ask printer to deliver a label come out
Send to Printer	Printer Command: Send commands to the printer, please refer to the <u>WINCODE's WPL Command</u> <u>Manual</u> .
	Files: Select a command file (*.prn) from the stored space of computer
Dump to File (For Debugging Purpose)	Click this option to generate .prn file when use the third-party software.



### **3.3.7 About**

WINCODE driver version.





## 4. WinLabel tool suite

### **4.1 Software Introduction**

WinLabel tool suit supports the below platform: Windows XP SP3, Vista,
Windows 7, Windows 8, Windows 8.1, Windows 10, Server 2003, Server 2008,
Server 2012 and Server 2012R2 operation system (32 bit and 64 bit).

Note: The monitor resolution needs to be at least 1024 x 768 for normal use.

Icons	Description
WIL	WinLabel: Label editing software
	Printer Utility: Printer tool
	Install Driver: Driver installation tool
	Firmware Driver: Firmware update tool
	Check for Update: Version check
a	Uninstall WinLabel: Uninstall all installed software



#### 4.2 Software Installation

Click "WINLABEL\_SETUP.EXE" file which could be downloaded from our official website (<a href="http://www.wincodetek.com/service">http://www.wincodetek.com/service</a>), choose a preferred language (English, Spanish, Turkish, traditional Chinese, simplified Chinese, and Korean) and then input a stored path to finish the software installation.



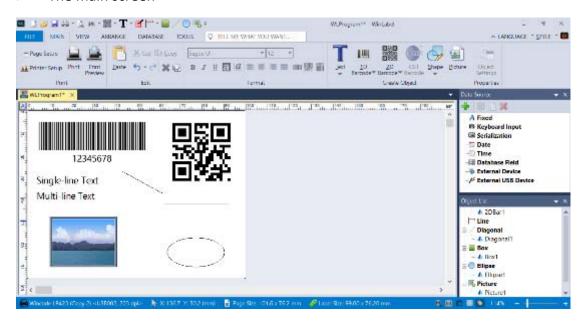


### 4.3 WINLABEL Label Editing Software

#### The Welcome screen



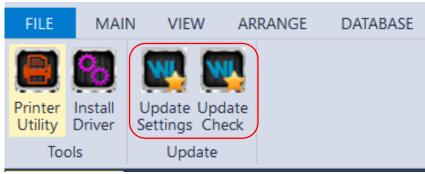
#### > The main screen

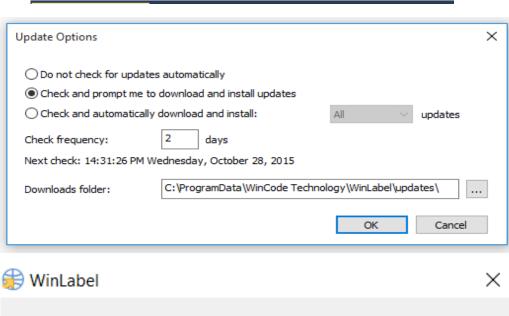


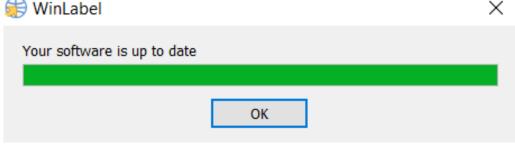


### 4.4 Update settings and update check

After entering the WinLabel program, click the "Update Check" icon in "TOOLS" page and check if it is the latest version. The program can be updated automatically. Besides, user can click "Update Settings" icon for adjusting the update settings









### 4.5 Firmware update Tool

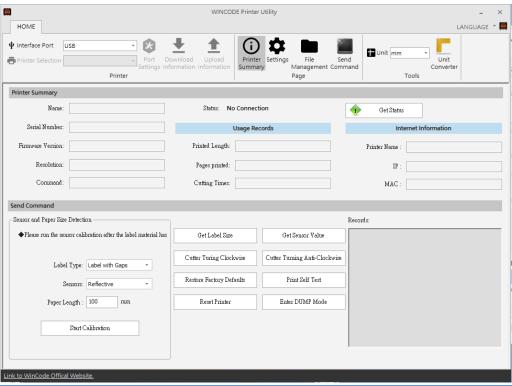
- When user receives the \*.ulf FW file, please execute the file directly and the system will open the firmware update tool automatically. After confirming the version, please press "burn" and wait until the "update finished" information shown.
- The update procedure can be run with USB \ RS-232 \ LPT \ Ethernet (USB is recommended.)
- Press the "Search" button when selecting Ethernet, the system will search the LAN network and list all the connecting printers.

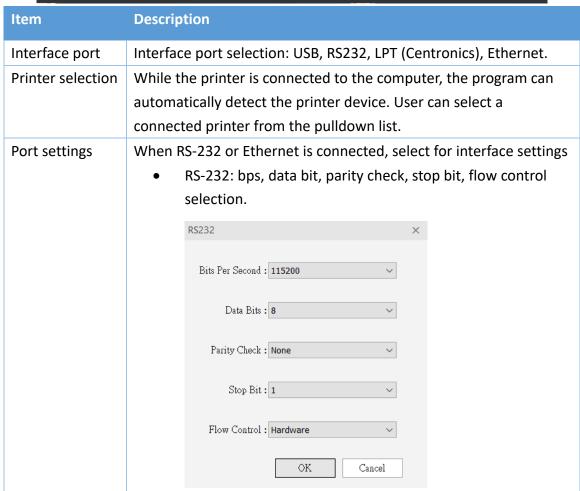


Item	Description	
Port	Term: select the connecting way: USB, RS-232, LPT, Ethernet	
	connect : select the connected printer.	
Firmware file	Confirm the firmware version	
	The system will connect the firmware update tool automatically and	
	show the information while executing the *.ulf file	
Burn	Burn the firmware into the printer	
Get information	Get the serial number and the firmware version of the printer	
Exit	Leave the firmware update tool	

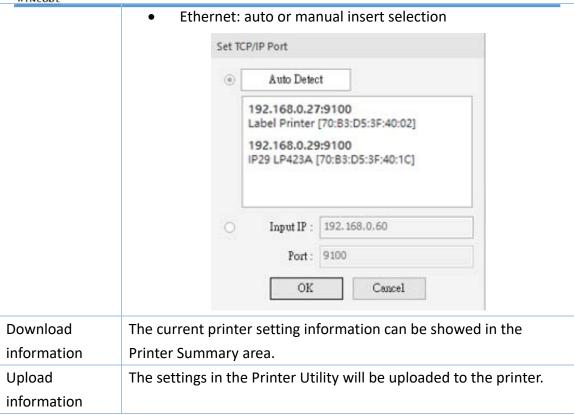


## 5. Printer Utility









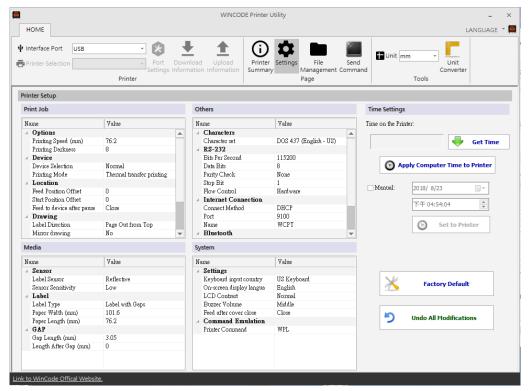


### 5.1 Printing Summary

#### Printer Listing printer information Summary 17 Send Command window Start Calibration Run the sensor calibration after the label material has changed. If it is the same material but different size, only need to adjust the "Page Setup" at WinLabel. It is recommended to use "auto detection". Get Label Size: get the detected value of label size at the right table Get sensor value: get the detected value of the sensors at the right table Cutter Turning Clockwise: cutter cuts label from top to bottom (Fully cut) Cutter Turning Anti-Clockwise: cutter cuts from bottom to top (Not completely cut-off the label, the user can tear off the label) Restore Factory Defaults: restore the parameters of the printer to factory default settings. Printer Self Test: print out the internal settings of the printer. Reset Printer: restart the printer Enter DUMP Mode: enter to the DUMP mode (Press "menu" for returning to the original mode) Settings Please refer to the 3.5.2 Settings File Check the detail files in the different store spaces Management + No Fisher Borne Tripolet Inc. 10 (Sec. 201) Sand Havin Produc Lister 25 Fish. Fater. Leed Sale il feel e Send Be able to send command to the printer, please refer to the Printer command Command Manual. **Unit-Tools** Printing measurements: millimeter (mm), centimeter (cm), inch (in). page



### **5.2 Settings**



#### 1) Print Job

Item	Description
Printing Speed (mm)	Select required speed
Printing Darkness	Select the required parameters from 0 to 15; adjust the
	temperature of the print head (8 is recommended for wax
	ribbon)
Device Selection	Normal, tear-off, peel-off and cutter modes are selectable.
Printing Mode	Direct Thermal and Thermal Transfer modes are selectable
Feed Position Offset (After	Input the required parameters. (If the printer is connected
printing)	to cutter/peeler, user may use this for offset settings.
	Default: 0)
Start Position Offset	Input the required parameters (Plus value feeds more
(Before printing)	distance; minus value back feeds more distance)
	* 203 dpi:8dot=1mm, 300 dpi:12dot=1mm
Feed to device after pause	Close: while pressing button, printer stop printing immediately.
	Open: while pressing pause button, printer will stop printing after completing the current label.
Label Direction	Label-out from the top or Label-out from the bottom
Mirror Drawing	No effect or mirror reflection.



Drawing origin X axis offset	Input the required parameters
Drawing origin Y axis offset	Input the required parameters

## 2) Media

Item	Description
Sensor-Label Sensor	Which sensor is using; Reflective / Transmissive
	selectable.
Sensor-Sensor Sensitivity	Low / Middle / High selectable.
Label-Label Type	Label with Gaps / Label with Black Line / Continuous
	label selectable.
Label-Paper Width	User can enter the parameter. (default: 4 inches)
Label-Paper Length	User can enter the parameter. (default: 3 inches)
Gap-Gap Length	User can enter the parameter. (default: 0.4016 inches)
Gap-Length after Gap	User can enter the parameter.
Label with Black Line-Black	User can enter the parameter. (default: 0.4016 inches)
Line Thickness	(Only when it is loaded the label with black line.)
Label with Black Line-Length	User can enter the parameter.
after Black Line	(Only when it is loaded the label with black line.)

## 3) Others

Item	Description
Characters	User can adjust the parameters.
RS-232	User can adjust the parameters when the port is RS-232.
Internet Connection	User can adjust the parameters while selecting "manual". Default: DHCP.
Bluetooth	User can enter the name and PIN code.



### 4) System

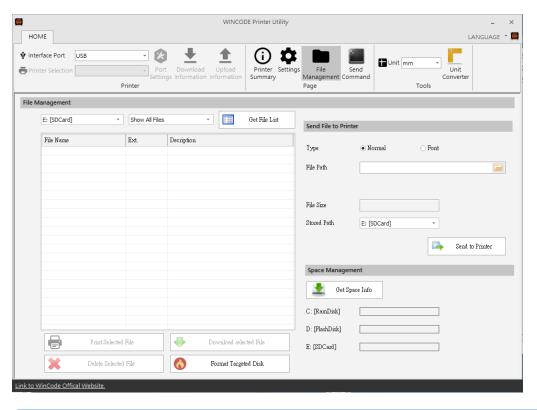
Item	Description		
Setup-Keyboard Input	Default: US Keyboard		
country			
Setup-On-screen display	English, Traditional Chinese, Simplified Chinese, Spanish,		
language	Italian, Vietnamese, Korean.		
Setup-LCD Contrast	Review the LCD contrast settings		
Setup-Buzzer volume	Review the Buzzer volume settings in the printer		
Setup-Feed after cover	Close / Open		
closed			
Setup-label used up	Close / Open (Optional)		
indication			
Catura labal lawath France	Class / Oncor office solested if the label size does not match		
Setup-label length Error	Close / Open, after selected, if the label size does not match		
control	the settings, the system sends the error report.		
Printer Command	Printer Emulation Switch		
	Auto Detect (Default), detect WPL, TSPL, ZPL, EPL, DPL		
	automatically.		

## 5) Time Setup

Item	Description	
Printer Current Time	<ul> <li>Get the time: to get the current time of the printer.</li> <li>Synchronize the time of the computer to the printer.</li> <li>Manual setup: the user can setup the time of the printer.</li> </ul>	
Reset to manufacturer default	Reset the printer to manufacturer default	
Undo	Reset all the parameters to the original parameters, will not affect the setup in the printer.	



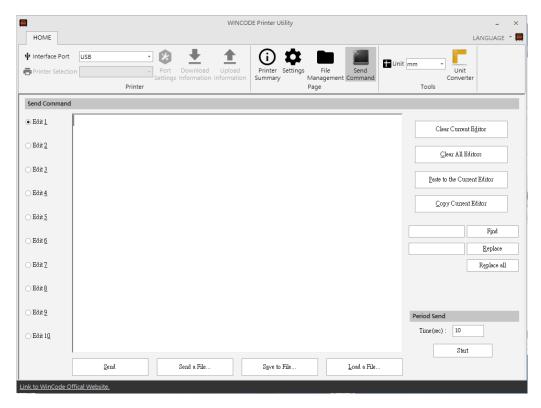
### 5.3 File Management



Item	Description		
Get the file list	To get the file list from C:[RamDisk], D:[FlashDisk] or E:[SDcard]		
Format the target disk	Initialize the disk		
Delete selected file	Delete the selected files.		
Download selected file	Download the selected files.		
Print selected file	Print out the selected files.		
Send the file to the printer	Send the selected files or font to the assigned storage area in the printer  • File path: select the file that needed to be uploaded  • File size: show the size of the file automatically  • Storage location: select the storage location from C:[RamDisk] \ D:[FlashDisk] \ E:[SDcard]		



### 5.4 Send Command



Item	Description		
Edit Zone	Edit the command		
	Clear the current edit zone: to clear the command		
	in the current edit zone		
	Clear all the edit zone: to clear all the command in		
	the edit zone		
	Paste to the current edit zone: paste the command		
	to the current edit zone		
	Copy the current edit zone: copy the content in the		
	edit zone		
	Search: search the specific content in the edit zone		
	Search and replace: replace the searched content		
	Replace all: replace all the assigned content from the		
	edit zone		
Send	Send the command to the printer		
Send the file	Send the file to the printer		
Save the file	Save the command in the edit zone		
Read the file	Read the file at the edit zone		



# 6. LED indicators and button explanation



LP423N/LP433N model equips six functional LED indicators (blue color) and a feed button (white and red LED color), user can understand the current printer status easily according to the LED display status. The description of each LED display status is listed as follows.

LED	Display status	Possible problem	Solution
LED 1	Always on:	The label placement is	Open the cover, and confirm
LABEL	Label out	not correct or labels	the label placement and if the
		been run out.	label has been run out. Then
			close cover and press the Feed
			button.
	Flash : Gap out	Sensor cannot detect	Run the auto calibration on
		the gap of label.	the Pinter Utility to adjust the
			sensitivity of sensor.
LED 2	Always on :	Cutter installation is	Re-install the cutter module
CUTTER	Cutter module is	not correct	and check the cutter
	not ready		connector connection.
	Flash : Paper jam	1) Check if the label	Place label in the correct
		thickness is exceeded	position and press button to
		the spec of cutter	start printing.
		module.	



WINCODE LP4 USER MANUAL				
		2) Label placement is		
		not correct		
LED 3	Always on :	Ribbon placement is	Open top cover and ribbon	
RIBBON	No detect ribbon	not correct or ribbon is	cover, re-install the ribbon and	
		possibly run out.	confirm if it has been run out.	
			After checking, close the	
			ribbon cover and enter the	
			feed button to start printing.	
	Flash: Ribbon exist	Ribbon exist but printer	Remove the ribbon when the	
	but setting is in	is in direct thermal	settings in direct thermal.	
	direct thermal	mode,		
	mode.			
	Flash: Data transfer	Data transfer	Waiting data transfer finished	
LED 5	Always on: Waiting	Printing process is not	Press button once to print a	
DEMAND	to press button to	finished	label (repeat this action until	
	print next label		the whole printing job has	
_			been finished)	
LED 6	Always on : Top	Top cover is not closed	Open the top cover and then	
PAUSE	cover is opened		close it. Press feed button to	
			start printing.	
	Flash : Pause	Printing process is not	Press the button to start	
		finished	printing	
Feed	Red LED flash:	Need to check if any	Check LED 1~LED 6 whether	
Button	Refers to all errors	other LED is flash to	anyone is always on or flash. If	
		define the issue	had, please refer to each LED	
			status to deal with problem. If	
			not, shut down the printer and	
			wait 1~2 mins to restart	
	1441': LED 1	M	printer.	
	White LED always	Wait for the print job		
	on : Ready	1 Jacon Print	1 Chack the print head	
	Red and White	loosen Print	Check the print head     connection	
	LED flash:	head  2. broken Adapter	connection  Change the adapter	
	<ol> <li>print head error</li> <li>adapter error</li> </ol>	2. broken Adapter	2. Change the adapter	
	Special lights:	The value-added	Use provided tool to add	
	Continuous flashing	printing length is	printing lengths.	
	red LED twice and	insufficient.	printing lengths.	
	ICU LLD (WICE AIIU	mounicient.		



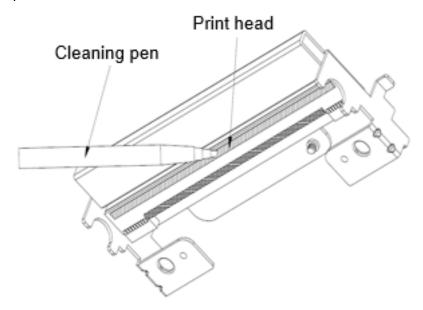
WINCODE	WINCODE LP4 USER MANUA				MANUAL	
	white LED twice	9				
	Ps: value added					
	function is opened					
Feed button function						
Printer currer	nter current status Print		nter status after pressing Feed button once			
Ready		Printer will deliver a label out				
Printing	Printer will pause printing action					
Pause		Printer will cancel pause status				
Error (Red LED flash)		Printer will execute the remaining job if the error issue				
		has been solved				
Error (Red LED flash) Pri		Print	Printer will cancel the current printing job to return ready			
		status after pressing Feed button twice				
Auto Calibration		Turn on the power, the feed button will flash in 3 seconds				
		while power is ON. Press the feed button once, the				
		print	rinter could feed labels to run the auto-calibration			on
		procedure				



#### 7. Maintenance

The following are some steps and methods to suggest user for proceeding the simple maintenance of the printer.

- 1. Turn off the power firstly, and then open the top cover of printer.
- 2. Take out the ribbon then find the print head. (If the print job has just finished, please wait until it is completely cool.)
- 3. If the print head is adhibited with label paper or dirt, please use a head cleaning pen or a cotton swab with 100% ethanol to clean the surface of the print head.
  Repeat the procedure until it is all cleaned.
- 4. Keep the regular rubber roller cleaning to maintain the printing quality and avoid the print head damage.
- 5. Use compressed air or vacuum to clean the dirt from the sensor.



#### Note:

- 1.) it is suggested to clean the printhead once a week and to clean the sensor once a month.
- 2.) When using a cotton swab to clean the print head, please make sure that there are no metal fragments or hard particles attached on the cotton swab as that would cause the damage of the print head.



# 8. Appendix – LP4N series specification

Model	LP423N	LP433N			
Printing method	Thermal Transfer / Direct Thermal				
Resolution	203 DPI 300 DPI				
	127 mm (5") / second	102 mm (4") / second			
Max. print speed	· ·	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
Max. print width	108 mm (4.25")	109.77 mm (4.32")			
Max. print length	4572mm (180")	2032mm (80")			
Enclosure	Double	e-walled plastic			
Physical dimension	220mm(W)x1	98mm(H)x288mm(D)			
	8.66"(W):	x7.8"(H)x11.3"(D)			
Weight		2.5 KG			
Label roll capacity	127	mm (5")OD			
Ribbon	300M length, m	nax. OD 67 mm, 1" core			
	100M length, max	c. OD 38.25 mm, 0.5" core			
Ribbon width	25.4 mm ~	110 mm (1" ~ 4.3")			
Processor	32-l	oit RISC CPU			
Memory	8MB Flash memory, 16MB SDRAM				
Power	External universal switching power supply, Input: AC 100-240V, 2.0A, 50-60Hz,				
	output: DC 24V, 2.5A, 60W				
Operation interface	1 button, 8 LEDs				
Interface	USB 2.0, RS-232				
	Bluetooth(option), WIFI IEEE 802.11 b/g/n (option), Ethernet 10/100 Mbps (option)				
Sensors	Transmissive gap sensor (adjustable), Reflective gap sensor, Ribbon end sensor, Head open				
	sensor, Paper near end sensor(option)				
Internal fonts	Seven kind	ds of bitmap fonts			
Bar code	1D bar code : Code 11, Code 39, Code 93, Code 128, Codabar, EAN/JAN-8, EAN/JAN-13, Interleaved 2				
	of-5, ITF-14, MSI Pleassy, PostCode, Telepen, UPC-A, UPC-E, UCC-128				
	2D bar code: Code 16K, Code 49, Aztec Code, QR Code, PDF417, Micro PDF417, Data Matrix, Grid Matrix, Micro QR Code, MaxiCode				
Printer language	WPL (ZPL, EPL, TSPL, DPLauto switch)				
Dealer options	Cutter \ Peeler Dispenser \ External label stand				
Media width	Standard :15 ~ 120 mm (0.59" ~ 4.72")				
	With Cutter: 15~117mm (0.59" ~ 4.61")				
	External Label Stand: 15 ~ 115mm (0.59" ~ 4.53")				
Media thickness	0.06 ~ 0.19 mm (2.36 ~ 7.48 mil)				
Media core diameter	25.4 mm (1")				
Label length	3 ~ 4,572 mm (0.12" ~ 180")	3 ~ 2,032 mm (0.12" ~ 80")			
Real time clock	,	battery is excluded)			
Safety regulation		A, FCC Class A, CB			
Bundled software	WinLabel labelling application, windows printer driver, printer utility, DLL SDK library, EXE executive  AP for batch print.				
	Platform support: Windows XP, Vista, 7, 8, 8.1, 10 and Server 2003, 2008, 2012, 2012R2 (32/64 bit)				