

# LP423N / LP433N USER MANUAL



User Manual : LP4 series Issue Date : 2017/03/30 Version 3.0



# Declaration

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### Compliances

CE Class B

FCC Part 15, Class B

CCC, CB

Comply with RoHS regulation



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.
- To avoid printer to start printing while there is no label paper installed;
   otherwise the print head and platen roller would be damaged.
- 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.
- 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 positon of label. Standalone function can support advanced models LP4A series to produce standalone format label.

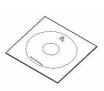


### 1.1 Unpacking and checking

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.



Label Printer



CD Disc



Quick Installation Guide



**USB** Cable



Adapter

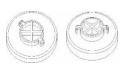


Power Cord



Ribbon Supply Spindle Ribbon Take-up Spindle





Empty Paper Core (1" core) 0.5"ribbon cap



#### **1.2 Appearance**



(Figure 1: Front View)



(Figure 2: Rear View)



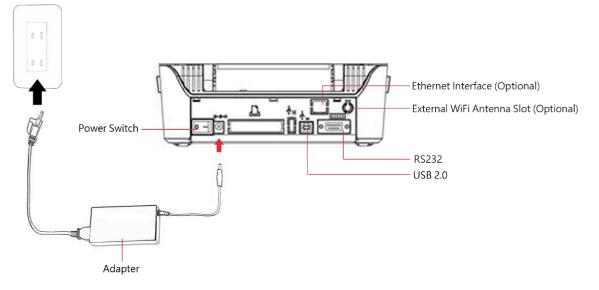


(Figure 3: Inside View)



## 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.

/	-	1
П	Ш	<b>n</b> ]
L LL		u j

Country/ Area	North America/Taiwan	Europe	China
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) 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; load the 0.5" ribbon cap into the right of the top inner cover.







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).

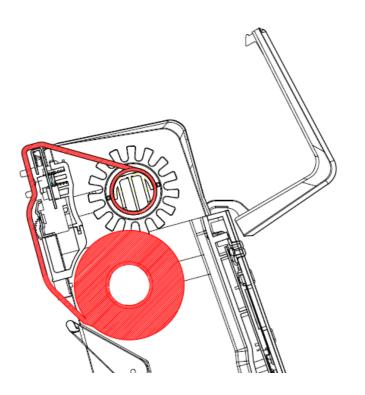




4) Pull the ribbon to bypass print head and then attach the ribbon leader on the empty paper core with tapes, then rotate the ribbon rewind wheel until ribbon surface has no wrinkle; Close the ribbon cover to finish ribbon installation.







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### 2.3 Label Loading

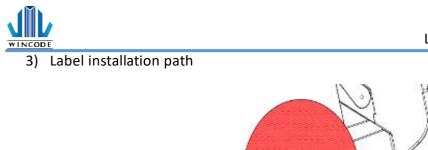
 Press the label holder button to fit the width of the label, and then place a label roll into the holders.

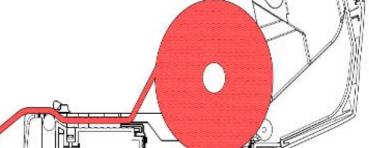




2) Pull the label paper through the rubber roller and push the both sides of label under the label guides. Close the top cover to finish label installation.







FI



#### 2.4 Real Time Clock Battery Installation

#### 3.4.1 Get started

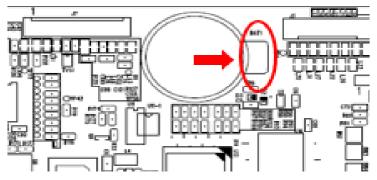
- 1) Shut down the power, and then remove the power cord and relevant connected cables.
- 2) Open the chassis cover at the bottom, there will be the battery and the shim inside.



3) Pull out the shim.

#### **3.4.2** Replace the battery

- 1) Turn off the power and disconnect all the cables attached.
- 2) Open the low cover to see the motherboard.
- 3) Push the button located beside the battery as below Figure,
- 4) the battery will be separated from the motherboard.
- 5) Place a new battery and then press until it fixed in the installation mount.



\*Notice: the battery model CR2032 is suggested by the manufacturer.



### 2.5 Cutter Installation (Optional)

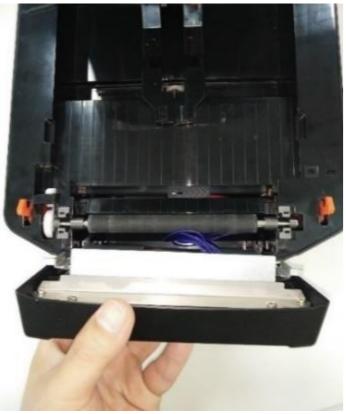


- 1) Turn off the power and disconnect all the cables attached.
- 2) Open the up cover and take off the front cover.
- 3) Place the cable into the cable trough at the right.





1) Place the module onto the position of the front cover, close the up cover.



2) Open the bottom cover and take out the cable of the cutter.





3) Place the cable at the motherboard and then close the bottom cover.



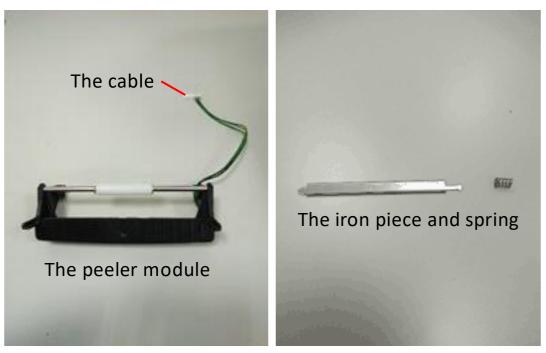
### 2.5.1Label Installation

- 1) Follow 2.3 to load on the label.
- 2) Pull out the front of the label through the drop-out hole, close the cover.





### 2.6 Peeler Installation (Optional)



- 1) Turn off the power and disconnect all the cables attached.
- 2) Open the up cover and take off the front cover.
- 3) Place the cable into the cable trough at the right.





4) Place both of the modules into the hole on the left and the right side of the low cover.





5) Put the spring onto the right side of the upper iron piece, place the arrow of the iron piece forward and then install it on the low inner cover.



- 6) Push the peeler module to the front and then close the up cover.
- 7) Open the bottom cover, take out the cable of the peeler.
- 8) Place the cable at the motherboard and then close the bottom cover.





### 2.6.1Label Installation

1) Follow 2.3 to load on the label.

2) Tear the first label, place the back tape through the front of the iron piece on the peeler.



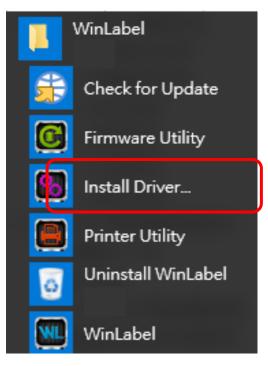
3) Push the peeler to the front and then close the up cover.





# **3.Driver installation**

The printer support USB, COM and TCP/IP connection. For Wi-Fi, Ethernet, please use TCP/IP connection; for BT(Bluetooth), RS-232, please use COM connection. IstallDriver is an execution file of WinLabel, the user can find and execute it at the start menu after installed WinLabel.





#### **3.1 Printer Installation**

#### Step1

Open WinLabel software and click InstallDriver, the user will see the figure below. Connect the printer to the computer with USB / RS-232 / LPT cable and press Next.



#### Step2

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

← Select a Printer Model		2/6
Select the model of the connected printer : Wincode LP423 Series Wincode LP220 Series Wincode LP22D Series Wincode C342 Series Wincode C343 Series		
Version : <b>11/29/2016,2.8.3.0</b>	Next > Can	cel Help

e 🔯 Sele	ct a Port and Printer Name			×
Specifies the connect Connection Port USB002 USB001 USB003 192.168.0.168 192.168.111.222 SHRFAX: COM1: COM2: COM2: COM3: COM4: FILE:	Type USB 的虛擬印表機連接埠 USB 的虛擬印表機連接埠 USB 的虛擬印表機連接埠 Standard TCP/IP Port	re usiz	ng TCP / IP, please create a new port. Printer Name Wincode LP423 Set as <u>d</u> efault printer	
			Next > Canc	el Help

- > USB connection: the program will select the port of the printer automatically.
- RS-232, LPT connection: please select the correspond COM or LPT.
- Ethernet, WIFI and IP Sharer connection: please select "add ICP/IP port"
  - Use automatically search: It will search the whole printers that connected to the internet, the program will bring the user to the selected printer IP and the number of port automatically.
  - If the user select manual insert, please insert the number of the IP and port (default: 9100).

		Conf	gure TCP/IP Port	
pecifies the connection p	ort use	۲	Auto Search	/ port.
Connection Port	Туре		192.168.0.24:9100	
WSD-462048a9-b87	WSD		IP24 LP423A [70:B3:D5:3F:40:19]	
USB022	USB E		192.168.0.27:9100	
USB003	USB E		Label Printer [70:83:D5:3F:40:02]	
USB001	USBE		192.168.0.29:9100	
USB004	USB E		IP29 LP423A [70:83:D5:3F:40:1C]	
USB017 USB005	USB E		··· · · · · · · · · · · · · · · · · ·	
USB003	[Wind		User Set IP : 192, 168,000,060	
USB006	USBE		Port: 9100	
USB007	USBE			
	-		OK Cancel	





#### Step3

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

← 🔯 Ready t	o Install	4/6			
Printer will be	installed with the following				
Name :	Wincode LP423				
Port :	192.168.111.222				
Set as Default :	No				
Type :	Wincode LP423				
Version :	11/29/2016,2.8.3.0				
Click "Next" to start the installation.					
		Next > Cancel Help			

#### Step4

Installing

← Installing	5/6
Installing the selected printer, please wait.	
	Next > Cancel Help

#### wincode Step5

"Windows Security", please select "continue the installation".

8	Windows Security ×	
8	Vindows can't verify the publisher of this driver software	
	Don't install this driver software You should check your manufacturer's website for updated driver software for your device.	
	Install this driver software anyway Only install driver software obtained from your manufacturer's website or disc. Unsigned software from other sources may harm your computer or steal information.	
⊘ Se	details	

#### Step6

The Installation Finished window.

Processing Finished.	× 6/6
Setup finished without error.	
Click "Finish" to exit.	
Fin	ish Cancel Help

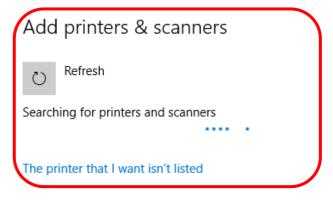


### **3.2 Install Driver with "Add a Printer" in Microsoft**

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"



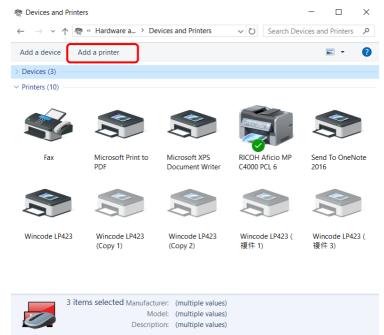
Printers & scanners



• Windows 7/8 Platform

1) Enter "Devices and printers" from the control panel or click "start" and select "Devices and printers"

2) Click "Add a new printer"

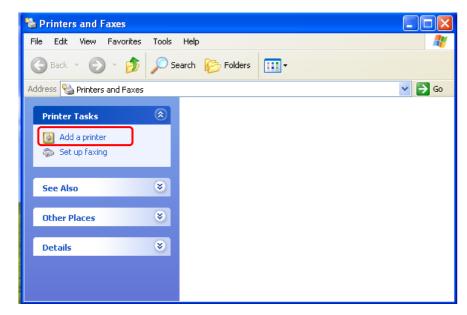




Windows XP Platform

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

(Take windows 10 for example)

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

			X
$\leftarrow$	🖶 Add Printer		
	Find a printer by other options		
	My printer is a little older. Help me find it.		
	○ Select a shared printer by name		
		Browse	
	Example: \\computername\printername or http://computername/printers/printername/.printer		
	○ Add a printer using a TCP/IP address or hostname		
	○ Add a Bluetooth, wireless or network discoverable printer		
	○ Add a local printer or network printer with manual settings		

Next

Cancel



#### 2) Choose a printer port

• For USB, COM, LPT printers, please select "Use an exist port", choose the type of connected port, click "Next" (Go to step "6)")

🖶 Add Printer		
Choose a printer port		
A printer port is a type of co printer.	nnection that allows your computer to ex	change information with a
Use an existing port:	LPT1: (Printer Port)	~
○ <u>C</u> reate a new port:		
Type of port:	Local Port	~
		Next Cancel

• For TCP/IP printers, please select "Create a new port", choose the type of connected port, click "Next"

			$\times$
←	🖶 Add Printer		
	Choose a printer port		
	A printer port is a type of conn	ection that allows your computer to exchange information with	۱a
	printer.		
	○ <u>U</u> se an existing port:	LPT1: (Printer Port)	$\sim$
	• Create a new port:		
	Type of port:	Local Port	$\sim$
		Local Port	
		Standard TCP/IP Port	

<u>N</u> ext	Cancel



3) Key-in the IP address of the printer and then click "Next".

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← 🖶 Add Printer

#### Type a printer hostname or IP address

Device <u>type</u> :	TCP/IP Device V
Hostname or IP <u>a</u> ddress:	192.168.0.123
Port name:	192.168.0.123

Query the printer and automatically select the driver to use

	<u>N</u> ext Cancel
4)	Wait for TCP/IP port dectecting.
_	× Add Printer
	Detecting TCP/IP port
	Detecting the TCP/IP port Windows will automatically move to the next page when the detection is complete.
	Next Cancel



 Select "Custom", enter "Settings", key-in the port name, printer name or IP address, for Protocol select "Raw", for Port Number key-in "9100", select "OK" > "Next".

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← 🖶 Add Printer

#### Additional port information required

The device is not found on the network. Make sure that:

1. The device is turned on.

- 2. The network is connected.
- 3. The device is properly configured.
- 4. The address on the previous page is correct.

If you think that the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure that the address is correct, select the device type below.

Device Type		
◯ <u>S</u> tandard	Generic Network Card	$\sim$
© <u>C</u> ustom	Settings	
	Next	Cancel

Configure Standard TCP/IP Port Monitor

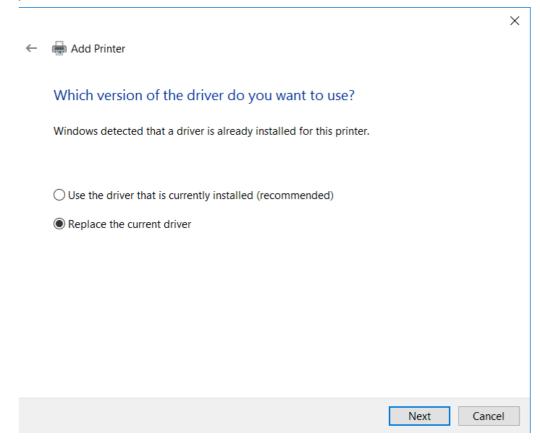
ort Name:		192.168.0.1	23	
rinter Name or IP <u>A</u> ddi	ress:	192.168.0.1	23	
Protocol				
() <u>R</u> aw			() <u>L</u> PR	
Raw Settings				
Port <u>N</u> umber:	9100			
LPR Settings				
<u>Q</u> ueue Name:				
LPR Byte Counting	Enabled			
SNMP Status Enabl	ed			
<u>C</u> ommunity Name:	public			
SNMP <u>D</u> evice Index:	1			



6) Choose the printer driver that you wanted to install, select the manufacturer listed at the left and then select the printer driver at the right, click "Next".

nstall	the printer driv	/er		
	Choose your printe	er from t	the list. Click Windows Update to see more models.	
	To install the drive	r from a	an installation CD, click Have Disk.	
Manufa OKI	acturer	^	Printers	^
PICOL				
RICOH Samsur Savin	ng		Wincode LP23D	
Samsur	-	>	Wincode LP23D Wincode LP423 Wincode LP433	~

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





7) Enter the printer name, click "Next".

←	🖶 Add Printer		
	Type a printer	r name	
	Printer name:	Wincode LP423 (Copy 4)	
	This printer will b	e installed with the Wincode LP423 driver.	
		Next	Cance
Se	elect "Do not s	Next hare this printer" click "Next".	Cance
Se	_		Cance
	elect "Do not s 🖶 Add Printer		Cance
	_	hare this printer" click "Next".	Cance
	Add Printer Printer Sharin If you want to sha name or type a ne	hare this printer" click "Next". Ig are this printer, you must provide a share name. You can use the sure ew one. The share name will be visible to other network users.	
	Add Printer  Printer Sharin  If you want to sha name or type a ne  Do not share the	hare this printer" click "Next". 19 are this printer, you must provide a share name. You can use the sur ew one. The share name will be visible to other network users.	
	Add Printer  Printer Sharin  If you want to sha name or type a ne  Do not share th  Share this print	hare this printer" click "Next". Ig are this printer, you must provide a share name. You can use the sur- ew one. The share name will be visible to other network users.	
	Add Printer  Printer Sharin  If you want to sha name or type a ne  Do not share the	hare this printer" click "Next". Ig are this printer, you must provide a share name. You can use the sur- ew one. The share name will be visible to other network users.	
	Add Printer  Printer Sharin  If you want to sha name or type a ne  Do not share th  Share this print	hare this printer" click "Next". Ig are this printer, you must provide a share name. You can use the sur- ew one. The share name will be visible to other network users.	
Se	Add Printer  Printer Sharin  If you want to sha name or type a ne  Do not share th  Share this print	hare this printer" click "Next". Ig are this printer, you must provide a share name. You can use the sur- ew one. The share name will be visible to other network users.	
	Add Printer  Printer Sharin  If you want to sha name or type a ne  Do not share th  Share name Location:	hare this printer" click "Next". Ig are this printer, you must provide a share name. You can use the sur- ew one. The share name will be visible to other network users.	



 $\times$ 

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

🔶 🖶 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.



Finish Cancel



# **3.3 Printing Setup (Driver Setup)**

# 3.3.1 Page Setup

📾 Wincode LP423 (Copy 2) Advanced Document Properties	$\times$
Page Setup Media Settings Calibration Options Tools About	
Paper/Layout	
<u>N</u> ame : 4 x 3 in (10.16 x 7.62 cm)	-
Add <u>D</u> elete <u>E</u> dit	
Directions :  C Portrait C Landscape	
Rotate 180 degree	
Settings	
<u>C</u> opies : (1 ~ 9999)	
Speed: 75 mm/s	
Darkness : 5	
Measurement : C inch C cm 🖝 mm	
ОК	Cancel

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.
	<ul> <li>Directions : Portrait and landscape (rotate 90 degrees); 180</li> </ul>
	degrees rotation is accepted.
Settings	<ul> <li>Copies : Each page quantity</li> </ul>
	> 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, value more than
	10 for resin ribbon)
	Measurement : inch, cm, and mm options

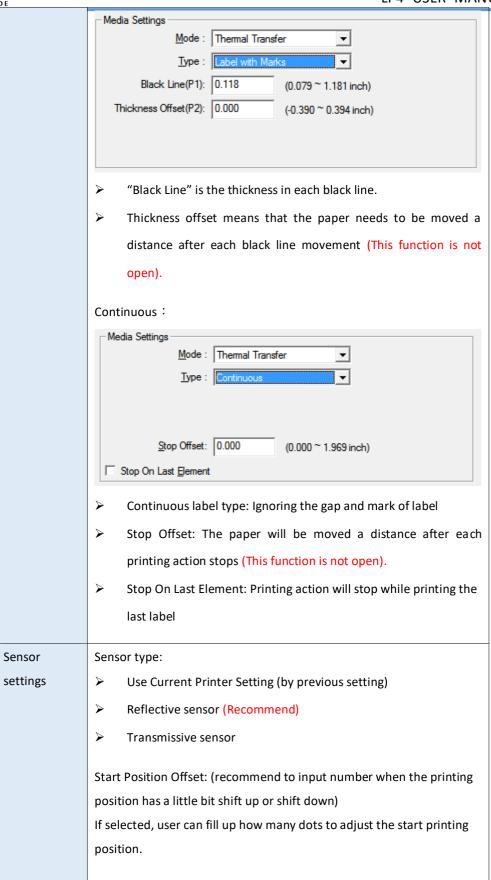


# 3.3.2 Media Settings

m Wincode	e LP423 (Copy 2)	Advanced Do	ocument Prop	perties	>
age Setup	Media Settings	Calibration (	Options Tools	s About	
⊢ Media Se	ttings				
	<u>M</u> ode :	Thermal Tra	nsfer	<b>~</b>	
	<u>Type</u> :	Label with G	iaps	-	
	Gap Length(P1):	3.0	(2.0 ~ 30.	5 mm)	
	Gap Offset(P2):	0.0	(-10.1 ~ 1	0.2 mm)	
		1	(		
- Sensor S	ettinos				
	<u>S</u> ensor Type:	Reflective		-	
		Inchective		<u> </u>	
<b>— ~</b>					
I_ Sta	art Position Offset:	No Offset			
				ОК	Cancel

Item	Description
Media	Mode: Thermal Transfer and Direct Thermal.
settings	"Thermal Transfer" mode means that printer needs to be loaded
	ribbon for printing label.
	"Direct Thermal" mode means that printer does not need to be loaded
	ribbon but need to load thermal paper.
Media type	Label with gaps :
	Media Settings         Mode :         Type :         Label with Gaps         Gap Length(P1):         0.118         (0.079 ~ 1.181 inch)         Gap Offset(P2):         0.000         (-0.390 ~ 0.394 inch)    * "Gap Length" is the distance between two labels.          * "Gap Offset" means label will be moved an offset distance after
	moving a gap distance (This function is not open).







### 3.3.3 Sensor Calibration

Wincode LP423 (Copy 2) Advanced Document Properties	×
Page Setup Media Settings Calibration Options Tools About	
Page Setup       Media Settings       Calibration       Options       Tools       About         Sensor Settings       1. Please run the sensor calibration after the label material has been changed.       2. Each time of sensor calibration will feed 15 inches long label for usage.         Label Type :       Label with Gaps          Sensor :       Reflective          © Auto Calibration       Start Calibration         © Manual Set	
ОК	Cancel

Please run the sensor calibration after the label material has been changed, if it is the same material but different size and then only need to adjust the page setup of WinLabel. It is recommended to use the auto detection, if there are specific materials that the sensor cannot detect, and then switch to manual setup, select the sensor strength and set the numeral of the sensor (The value range of sensor is from 5 to 100, less value is more sensitive)

Manual Set	
Sensor Strength :	Middle
Reflective Sensor Value :	15
Transmissive Sensor Value :	15
NOTE: the value r	range of sensor is from 5 to 100, less value is more sensitive.
	Set to Printer



# 3.3.4 Options

age Setup Media	Settings Calibra	ation Options To	ools About	
After Print				
✓ Use Curren	t Printer Settings			
€ <u>N</u> one	💿 <u>T</u> ear Off	C <u>P</u> eeler	C <u>C</u> utter	
			U <u>s</u> er Co	mmands

Item	Description
After Print	Use Current Printer Settings: the default setting Remove tick option would have below several options
	<ul> <li>None: The label is stopped after printing last label.</li> <li>Wincode LP423 (Copy 2) Advanced Document Properties</li> </ul>
	Page Setup       Media Settings       Calibration       Options       Tools       About         After Print <ul> <li>Use Current Printer Settings</li> <li>Image: None</li> <li>Image: Tear Off</li> <li>Image: Peeler</li> <li>Image: Cutter</li> <li>Image: Tear Off</li> <li>Image: Peeler</li> <li>Image: Tear Off</li> <l< th=""></l<></ul>
	Press a button to print     Uger Commands      OK Cancel

DE	LP4 USER M
	Tear off: The label gap is stopped at the tear off position to let user easily tear off label.
	The tear off position is adjustable as long as ticking "Tear Off Position" option.
	📾 Wincode LP423 (Copy 2) Advanced Document Properties 🛛 🗙
	Page Setup Media Settings Calibration Options Tools About
	After Print
	Use Current Printer Settings
	C None C Tear Off C Peeler C Qutter
	Tear Off Position Default (0 Dots)
	Press a button to print
	Uger Commands
	OK Cancel
	> Peeler: Peeler module can peel labels continuously while printing
	<ul> <li>Peeler: Peeler module can peel labels continuously while printing</li> <li>The printer will run the next label after removing peeled label.</li> <li>Peer position can be adjustable as long as ticking "Peel Off</li> </ul>
	The printer will run the next label after removing peeled label.
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option.
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties Y Page Setup Media Settings Calibration Options Tools About After Print
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties Y Page Setup Media Settings Calibration Options Tools About After Print Use Current Printer Settings
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties Y Page Setup Media Settings Calibration Options Tools About After Print
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties Y Page Setup Media Settings Calibration Options Tools About After Print Use Current Printer Settings
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties  Page Setup Media Settings Calibration Options Tools About  After Print  Set Current Printer Settings  None  Tear Off  Description  Cutter  Cutter
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties  Page Setup Media Settings Calibration Options Tools About  After Print  Set Current Printer Settings  None  Tear Off  Description  Cutter  Cutter
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties  Page Setup Media Settings Calibration Options Tools About  After Print  Set Current Printer Settings  None  Tear Off  Description  Cutter  Cutter
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties  Page Setup Media Settings Calibration Options Tools About  After Print  Set Current Printer Settings  None  Tear Off  Description  Cutter  Cutter
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties  Page Setup Media Settings Calibration Options Tools About  After Print  Set Current Printer Settings  None  Tear Off  Description  Cutter  Cutter
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties × Page Setup Media Settings Calibration Options Tools About Mone Tear Off Peeler Cutter Peel Off Position Default (0 Dots)
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Position" option. Wincode LP423 (Copy 2) Advanced Document Properties × Page Setup Media Settings Calibration Options Tools About Mone Tear Off Peeler Cutter Peel Off Position Default (0 Dots)
	The printer will run the next label after removing peeled label.  Peer position can be adjustable as long as ticking "Peel Off Position" option.  Wincode LP423 (Copy 2) Advanced Document Properties  V  Vege Setup Media Settings Calibration Options Tools About  Vege Commands  Uger Commands
	The printer will run the next label after removing peeled label.  Peer position can be adjustable as long as ticking "Peel Off Dostion" option.  Wincode LP423 (Copy 2) Advanced Document Properties  Wincode LP423 (Copy 2) Advanced Document Prope
	The printer will run the next label after removing peeled label. Peer position can be adjustable as long as ticking "Peel Off Dostion" option. Wincode LP423 (Copy 2) Advanced Document Properties * * * * * * * * * * * * * *

	"Cut Position" is ticked, the cutting position can be adjustable.
	Hincode LP423 (Copy 2) Advanced Document Properties X
	Page Setup Media Settings Calibration Options Tools About
	After Print
	C None C Tear Off C Peeler C Outter
	Every Cut 1 (1 ~ 255 Label)
	Cut Position     Default (0 Dots)
	Press a button to print
	U <u>s</u> er Commands
	OK Cancel
User	User can fill up printer commands in this dialog when it is needed. Selec
Commands	and press "", a new window will pop out and the use can type in the
Commanus	commands.
	Commanus.
	User Commands X
	Start of Job:
	End of Job:
	Start of Page:
	End of Page:





	LP423 (Copy 2) Media Settings			t Prope Tools	About	×
Print	Generic <u>T</u> e	est il			<u>S</u> elf Test	
Action	<u>R</u> eset Print	er		<u> </u>	Label Feed	
	Factory <u>D</u> efa	aults				
- Send to F	rinter					
_	Printer Comma		_		File	
<ul> <li>Display</li> </ul>	Prompt <u>M</u> essages	3				

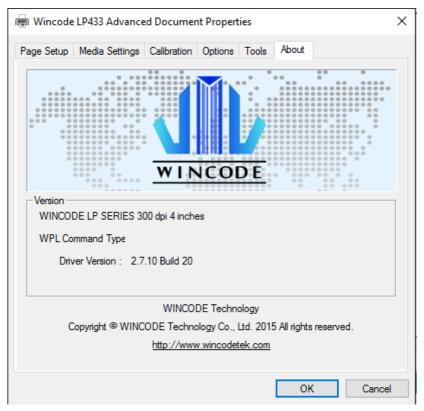
Item	Description
Print	<ul> <li>Generic Test: Order printer to print a label with texts for testing purpose.</li> <li>Self Test: Order printer to print a label with inside parameters of printer.</li> </ul>
Action	<ul> <li>Reset Printer : Restart printer.</li> <li>Factory Defaults : Inside parameters to be default</li> <li>Label Feed : Order printer to deliver a label come out</li> </ul>
Send to Printer	<ul> <li>Printer Command: Send commands to the printer, please refer to the <u>Wincode's Command Manual</u>.</li> <li>Files : Select a command file (*.prn) from the stored space of computer</li> </ul>





### 3.3.6 About

WinLabel driver version





# 4.WinLabel tool suite

### 4.1 Software Introduction

WinLabel tool suit is supported the below platform: Windows XP SP3, Vista,

Windows 7, Windows 8, Windows 8.1, Windows10, Server 2003, Server 2008,

Server 2012 and Server 2012R2 operation system (32 bit and 64 bit).

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

lcons	Description
	WinLabel : Label editing software
	Printer Utility : Printer tool
<b>9</b>	Install Driver : Driver installation
	Firmware Driver : Firmware update tool
	Check for Update : Version check
6	Uninstall WinLabel : Uninstall all installed software



### 4.2 Software Installation

Click "WINLABEL\_SETUP.EXE" file in the CD disc, and then choose a preferred language (traditional Chinese, simplified Chinese, and English) and input a stored path to finish software installation.

x	2
WINCODE Technology WinLabel B 2.6.2	WINCODE Technology WinLabel B 2.6.2
Setup requires 34 MB in: CtiProgram Files (KBG)\WINCODE Technology\WinLabel B\	WinLabel B has been successfully installed.
You must agree to the Licenses terms and conditions before you can install WinLabel B.	Run
I agree to the License terms and conditions.	
	Advanced Installer



## 4.3 WINLABEL Label Editing Software

#### The Welcome screen



#### The main screen

L      C     C      C	WLProgram1* - WinLabel _ 8 ×
Page Setup         Image: Setup         Finite Privile         Privile         Page Setup         Segue UI         ▼ 12         ▼           Image: Privile Setup         Printer         Privile         Privile         Page Setup         Image: Segue UI         ▼ 12         ▼           Image: Page Setup         Privile         Page Setup         Image: Segue UI         ▼ 12         ▼           Image: Page Setup         Privile         Page Setup         Page Setup         Image: Segue UI         ▼ 12         ▼           Image: Page Setup         Privile         Page Setup         Page Setup         Page Setup         Image: Segue UI         ▼ 12         ▼           Image: Page Setup         Privile         Page Setup         Page Setup         Page Setup         Page Setup         Page Setup         Image: Segue UI         ▼ 12         ▼           Image: Page Setup         Image Setup         Image Setup         Image Setup         Page Setup         Image Setup         Im	T Iext 10 20 GS1 Shape Picture Barcoder Barcode Barcode Children
Print Edit Format	Create Object Properties
₩ WLProgram1* ×	▼ Data Source → X
	I 1199, 1199, 1299, 1779, 1999, mm ▲ Fixed Schlarzation ⇒ Database Field ⇒ External USB Device Object List  × X
Single-line Text Multi-line Text	A 2DBar1 + Line Diagonal A Diagonal Box A Box1 Ellipse1 Picture A Picture1 V Mel Size: 99.00 x 76:20 mm



# 4.4 Update settings and update check

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

	FILE	MAI	N VIEW	ARRANG	GE DATAE	BASE	
	Printer Utility Too	Install Driver	Update Up Settings Ch Update	leck			
Up	date Option	s				×	1
	) Do not che	ck for update	es automatically				
			o download and inst	all updates			
0	Check and	automatically	/ download and inst	all:	All $\sim$	updates	
c	heck frequen	icy:	2 days				
N	lext check: 14	4:31:26 PM V	Vednesday, Octobe	r 28, 2015			
D	ownloads fol	der:	C:\ProgramData	WinCode Techn	ology\WinLabel\upo	dates\	
					ОК	Cancel	
	WinLabe	el.				×	
Y	our softwa	are is up t	o date				
				OK			



### 4.5 Firmware update Tool

- When user get the \*.ulf file from the manufacturer, please execute the file under the interface WinLabel installed. The system will auto connect the firmware update tool. After confirm the version please press "burn" and wait until the "update finished" information from the printer.
- The update procedure can run with USB 
  < RS-232 
  < LPT 
  < Ethernet
- Press the search button when using Ethernet, the system will search the office network and then list the printers.

Port		Ver. 2.2.0.20 [Lycaor
Туре :		
Connection:	192.168.0.24:9100 Name:IP24 LP423A MAC:70	:B3:D5:3F:40:19
	192.168.0.27:9100 Name:Label Printer MAC:70	:B3:D5:3F:40:02
		Search
Printer Infor	nation	
S/N:		
F₩ Ver:		
Firmware Fil		
For :		
Mode :		
Version :		

Item	Description
Port	<ul> <li>term : select the connecting way: USB, RS-232, LPT, Ethernet (not available yet)</li> <li>connect : select the printer connected</li> </ul>
Firmware file	<ul> <li>Confirm the burn version</li> <li>The system will auto connect the firmware update tool and show the information while executing *.ulf file</li> </ul>
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

HOME Interface Port USB Printer Selection USB	005 IWincode I P433 + Port D	Download Upload	Ci Printe Summa	r Settings File Managemen Page	Send t Command	mm Unit Converter Tools	AGE 👻
Printer Summary							
Name:	LP433A	Status:	Ready		Get S	latus	
Serial Number:	W8L624090002Y						
Firmware Version:	1.0.62		Usage R	ecords		Internet Information	
Boot Version:	1.0-2015/09/05	Printed Length:		193 M	Printer Name :	Label Printer	
Resolution:	300 DPI	Pages printed:		4293	IP :	192.168.101.128:9100	
Command:	WPL	Cutting Times:		0	MAC :	70-B3-D5-3F-40-24	
Send Command							
Sensor and Paper Size De					Records:		
been changed.	calibration after the label material has alibration will feed 15 inches long	Get Label Size	•	Get Sensor Value			
<ul> <li>Auto Calibration</li> </ul>	O Manual Settings	Cutter Turing Cloc	kwise	Cutter Turning Anti-Clock	w		
Label Type:	Label with Gaps 🔹	Restore Factory De	faults	Print Self Test			
Sensors:	Reflective *	Reset Printer		Enter DUMP Mode			
St	art Calibration						
Pape	r Size Detection						

Item	Description
Interface port	Interface port selection: USB, RS232, LPT (Centronics), Ethernet.
Printer	While printer is connected to the computer, the program can automatically detect
selection	printer equipment. Then user can select a printer from a pulldown list.
Port settings	When RS-232, Ethernet selected, click for interface settings
	• RS-232: bps, data bit, parity check, stop bit, flow control selection.
	RS232 ×
	Bits Per Second : 115200 ~
	Data Bits : 8 🗸 🗸
	Parity Check : None ~
	Stop Bit : 1
	Flow Control : Hardware 🗸 🗸
	OK Cancel



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	Ethernet: auto or manual insert selection					
	Set TCP/IP Port					
	Auto Detect					
	192.168.0.27:9100 Label Printer [70:B3:D5:3F:40:02] 192.168.0.29:9100 IP29 LP423A [70:B3:D5:3F:40:1C]					
	O Input IP : 192.168.0.60					
	Port : 9100					
	OK Cancel					
Download	The current printer setting information can be showed in the Printer Summary area.					
information						
Upload	The setting information in the Printer Utility will be uploaded to the printer.					
information						

### 5.1 Printing Summary

	- Listing a maintain in	f	
	Listing printer in	formation	
	Printer Summary		
	Name:	Status: No Connection	Get Status
	Serial Number:		
	Firmware Version:	Usage Records	Internet Information
	Boot Version:	Printed Length:	Printer Name :
	Resolution:	Pages printed :	IP :
	Command:	Cutting Times:	MAC :
	Send Command wind	low	
	Send Command		
	Sensor and Paper Size Detection 1 Please run the sensor calibration after the label materi been changed	al has Get Label Size Get Sensor Yalue	Records:
	<ol> <li>Each time of sensor calibration will feed 15 inches los label for usage.</li> </ol>	ng	
	Auto Calibration     Manual Settings	Cutter Turing Clockwise Cutter Turning Anti-Clo	icke
	Label Type: Label with Gaps * Sensors: Reflective *	Restore Factory Defaults Print Self Test	
		Reset Printer Enter DUMP Mode	•
	Start Calibration		
	Paper Size Detection		
	Link to WinCode Offical Website.		
	Link to wincode omtai website.		
	• Start Calibration		
		acar calibration of	tor the lebel meterial he
			ter the label material ha
	been changed, if i	t is the same mate	erial but different size ar
	then only need to	adjust the page s	etup of WinLabel. It is
	-		•
			ection, if there are specif
	materials that the	e sensor cannot de	etect, and then switch to
inter			ength and set the numer

	LP4 USER MANUAL
Summary	<ul> <li>of the sensor (The value range of sensor is from 5 to 100, less value is more sensitive)</li> <li>Paper Size Detection         Printer will detect the paper size and get detecting result in the right table as below Figure         LABCALIBRATE Sent.         Paper Length (mm) : 7.37         Gap Length (mm) : 2.67     </li> </ul>
	<ul> <li>Get Label Size: The detecting value of label size will be showed in the right table</li> <li>Get sensor value: The detecting value of sensors will be showed in the right table</li> <li>Cutter Turning Clockwise : Cutter cuts label from up to down (Fully cut)</li> <li>Cutter Turning Anti-Clockwise : Cutter cuts from down to up (Not completely cut-off)</li> <li>Restore Factory Defaults: The parameters of printer will be factory default setting.</li> <li>Printer Self Test: Printer will print the inside settings on the label</li> <li>Reset Printer : Restart the printer</li> <li>Enter DUMP Mode: Entering to the DUMP mode (Press "menu" to return the original mode)</li> </ul>
Settings	Please refer to the 3.5.2 Settings
File Management	Send the selected file to the printer and then print the files on the list
Send	Send command to the printer, please refer to the Printer Command
command	Manual.
Unit- Tools page	Printing unit: millimeter (mm), centimeter (cm), inch (in.)



# 5.2 Settings

HOME Interface Port USB Printer Selection USB003 [M	Vincode LP423  Port Setting Printer		Vriload Upload Trint Summ		Send	Unit mm 🔹	LANGUAGE Unit Converter
inter Setup							
Print Job			Others		Time Settin	ngs	
Name	Value		Name	Value	Time on th	e Printer:	
Options			Characters				
Printing Speed (mm)	76.2		Character set	DOS 437 (Eng lish - US)			Get Time
Printing Darkness	8		4 RS-232				Get Tille
A Device			Bits Per Second	115200			
Device Selection	Normal		Data Bits	8		Apply Computer Ti	ime to Printer
Printing Mode	Thermal transfer printi		Parity Check	None		, .	
4 Location			Stop Bit	1			
Feed Position Offset	0		Flow Control	Hardware	Manual:	12/ 5/2016	
Start Position Offset	0		Internet Connection				
Feed to device after pa	Close		Connect Method	DHCP		6:14:10 PM	
I Drawing			Port	9100			
Label Direction	Page Out from Top		Name	WCPT		Set to	o Printer
Mirror drawing	No	-	<ul> <li>Bluetooth</li> </ul>				
Media			System				
Name	Value		Name	Value	-		
<ul> <li>Sensor</li> </ul>			✓ Settings				
Label Sensor	Reflective		Keyboard input country	US Keyboard		Factory Defa	ault
Sensor Sensitivity	Low		On-screen display lang	English			
4 Label			LCD Contrast	Normal			
Label Type	Label with Gaps		Buzzer Volume	Middle			
Paper Width (mm)	101.6		Feed after cover close	Close		Undo All Modif	ications
Paper Length (mm)	76.2		- CMD				
- GAP			Printer CMD	WPL			
Gap Length (mm)	3.05						
Length After Gap (mm)	0						
✓ Sensor ¥alue							
Reflective Sensor Value	15	-					

### 1) Print Job

Item	Description			
Printing Speed(mm)	Select required speed			
Printing Darkness	Select required parameters from 0 to 15; adjust the printer head			
	temperature (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 required parameters. (If printer is connected cutter/peeler, user may			
printing)	use this offset settings. Otherwise, the default is 0)			
Start Position Offset (Before	Input the required parameters (plus value is feeding more distance; minus			
printing)	value is back feeding more distance)			
Feed to device after pause	Close: When user presses pause button, printer will stop printing			
	immediately.			
	Open: When press pause button, printer will stop printing after			
	completing the current label.			
Label Direction	Label-out from top or Label-out from bottom			
Mirror Drawing	No effect or mirror reflection (Not available now)			
Drawing origin X axis offset	Input the required parameters (Not available now)			
Drawing origin Y axis offset	Input the required parameters (Not available now)			

\* 203 dpi:8dot=1mm, 300 dpi:12dot=1mm



### 2) Media

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

### 3)Others

Item	Description		
Characters	The user can select the parameter.		
RS-232	Can be set when the port is RS-232.		
Internet Connection	The default is DHCP, if select manual, the user can adjust the parameter,		
Bluetooth	The user can enter the name and PIN code.		



### 4)System

Item	Description			
Setup-Keyboard Input country	The default is US Keyboard			
Setup-On-screen display	English, Traditional Chinese, Simplified Chinese, Spanish, Italian,			
language	Vietnamese.			
Setup-LCD Contrast	Review the LCD contrast settings .			
Setup-Buzzer volume	Rreview the Buzzer volume settings in the printer			
Setup-Feed after cover closed	Close / Open			
Setup-label used up	Close / Open (Optional)			
indication				
Setup-label length Error	Close / Open, after selected, when the label size does not match the			
control	setting, the system will send 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 timw : to get the current time of the printer</li> <li>Set 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 the numeral to the original numeral, will not affect the setup in the printer.



# 5.3 File Management

	WINCODE	E Printer Utility		_ ×
HOME				language 👻 🧱
	· 😢 🛨 🏦	() 🎝 🖿	Unit mm	▼
Printer Selection	Port Download Upload     Settings Information Information	Printer Settings File Summary Management	Send Command	Unit Converter
Printer		Page	Tools	;
File Management				^
C: [RamDisk]	Get File List Format T	Targeted Disk Send File to	Printer	
File Name Ext.		Туре	Normal	
		File Path		
		File Size		
		Stored Path	C: [RamDisk]	<b>*</b>
				Send to Printer

Item	Description				
Get the file list	To get the file list in C:[RamDisk], D:[FlashDisk] or E:[SDcard]				
Format the target disk	Initialize the disk				
Delete selected file	Delete the selected file				
Delete all the file	Delete all the file in the storage area				
Print selected file	Print out the selected file.				
Send the file to the	• File path : select the file that needed to upload				
printer	• File size : shown the size of the file automatically				
	• Storage location : select the storage location C:[RamDisk] >				
	D:[FlashDisk]   E:[SDcard]				
	• Send to the printer : send the selected file to the assigned				
	storage area in the printer				



# 5.4 Send Command

			WINCOD	E Printer Utility				_ ×
HOME								LANGUAGE 🔻 🥅
$\Psi$ Interface Port	USB	- 🗶	± ±	(i) <b>x</b>	X 🖿 🎽	Unit m	m -	
Printer Selection	n	▼ Port Settings I	Download Upload nformation Information	Printer Setti Summary	ngs File Sen Management Comm	d	Unit Conver	ter
	Printer				Page		Tools	
Send Command								^
• Edit 1							Clear Current	Editor
○ Edit 2							<u>C</u> lear All Ed	litors
○ Edit <u>3</u>							Paste to the Curre	ent Editor
○ Edit <u>4</u>							<u>C</u> opy Current	Editor
○ Edit <u>5</u>						_		
○ Edit <u>6</u>								Find
_								Replace
⊖ Edit Z							[	R <u>e</u> place all
⊖ Edit <u>≥</u>								
O Edit 9								

Item	Description	
Edit Zone	<ul> <li>Edit the command</li> <li>Clear the current edit zone : to clear the command in the current edit zone</li> <li>Clear all the edit zone : to clear all the command in the edit zone</li> <li>Paste to the current edit zone : paste the command to the current edit zone</li> <li>Copy the current edit zone : copy the content in the edit zone</li> <li>search : search the specific content in the edit zone</li> <li>search and replace : replace the searched content</li> <li>replace all : replace all the assigned content in the edit zone</li> </ul>	
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 to the edit zone	



# 5. LED indicators and button explanation



LP423N/LP433N model is equipped 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 not	Open Top cover, and confirm the label
LABEL	No detect label	correct or label paper is used out	placement and rest label quantity. Then
			close cover and press the Feed button.
	Flash : Gap	Sensor setting is not correct	Reset the settings of sensor in the Printer
	detected error		Utility software
	2 Flash 1 long	When label length detection is	Checking label size if it is the same as
	Flash: Label height	ON, the label size is differed with	setting on the WinLabel
	detected error	label setting on the WinLabel	
LED 2	Always on :	Cutter installation is not correct	Re-install the cutter module
CUTTER	Cutter module is		
	not ready		
	Flash : Paper jam	1. Confirm whether the label	Place label paper in the correct position and
		thickness is more than the	press button to start printing.
		acceptance of cutting thickness	
		2. Cutter module is not closed	



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		3. Label placement is not correct	
	2 Flash 1 long Flash: No peeler device	No peeler device but driver setting is on the peeler mode	Open driver windows and switch to "Options" page, write off "Use Current Printer Settings" to select "Tear off" mode
LED 3 RIBBON	Always on : No detect ribbon	Ribbon placement is not correct or is run out	Open ribbon cover, and check the ribbon installation or it has been run out. After checking, close the ribbon cover and enter the feed button to start printing.
	Flash : Ribbon existed in direct thermal mode	Ribbon is not taken off	Open ribbon cover, and check the ribbon whether is existed or not in direct thermal mode.
LED 4 COMM.	Always on : Communication has error	<ol> <li>Cable is not connected to the correct port</li> <li>Parameter setting of port is not correct</li> </ol>	Check the cable connection or reset the parameter of corresponding port
	Flash: Data transfer	Data transfer	Waiting data transfer finished
LED 5 DEMAND	Always on: Waiting to press button to print next label	Printing process is not finished	Press button once to print a label (repeat this action until the printing process has been finished)
LED 6 PAUSE	Always on : Top cover is opened	Top cover is not closed	Close the top cover and then press the button to start printing
Feed Button	Flash : Pause Red LED flash: Refers to all errors	Printing process is not finished Need to check if any other LED is flash to define the issue	Press the button to start printing Check LED 1~LED 6 whether anyone is always on or flash. If have, please refer to each LED status to deal with problem. If not, shut down the printer and wait 1~2 mins to restart printer.
	White LED always on : Ready	Wait for the print job	
	Red and White LED flash : 1. print head error	<ol> <li>loosen Print head</li> <li>broken Adapter</li> </ol>	<ol> <li>Connect the print head connection</li> <li>Change the adapter</li> </ol>



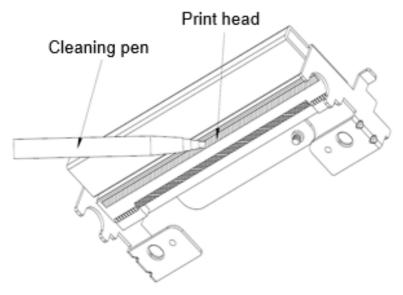
	2. adapter erro		
	Special lights: Continuous flashing red LEI twice and white LED twice	The length of value-added is Use tool to added value. insufficient.	
Feed button function			
Printer curre	ent status	rinter status after pressing Feed button once	
Ready		inter will deliver a label out	
Printing		rinter will pause printing action	
Pause		rinter will cancel pause status	
Error (Red LE	D flash)	Printer will execute the remaining job if the error issue has been solved	
Error (Red LED flash) Prin		nter will cancel printing job to return ready status after pressing Feed	
but		utton twice	
Auto Calibra	Auto Calibration Turn on the power, the feed button will flash 3 times in the beg		
		printer can run the auto calibration procedure once user press feed button	
du		ring the three flash lights.	



## 6. Maintenance

The followings are some steps and methods to suggest user to proceed simple maintenance on the printer.

- 1. Turn off the power firstly, and then open the top cover of printer.
- 2. Take out the ribbon and locate the print head. (If printing process is just finished, user needs to wait print head cooling before proceeding maintenance procedure)
- 3. If print head is adhibited label paper or some dirt, please use a head cleaning pen or a cotton swab with 100% ethanol to clean the print head surface. Repeat this procedure until the black marks left on the cotton swab are not increasing.
- 4. Keep regular clean on the rubber roller after printing for a period time. Otherwise, that would influence the printing quality or cause print head damage.
- 5. Use compressed air or vacuum to clean the dirt on the sensor.



Note:

1.) Suggest to clean print head once every week and clean sensor once every month.

2.) When using a cotton swab to clean 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 print head.



# 7. Appendix – LP4N series specification

Model	LP423N	LP433N	
Printing method	Thermal Transf	er / Direct Thermal	
Resolution	203 DPI	300 DPI	
Max. print	127 mm (5") / second	102 mm (4") / second	
speed			
Max. print width	108 mm (4.25")	110mm (4.32")	
Max. print length	4572mm (180")	2032mm (80")	
Enclosure	Double-walled plastic		
Physical	220mm(W)x198mm(H)x288mm(D)		
dimension	8.66"(W)x7.8"(H)x11.3"(D)		
Weight	2.	5 KG	
Label roll		m (5")OD	
capacity	(0)00		
Ribbon		κ. OD 67 mm, 1" core	
	100M length, max. 0	DD 38.25 mm, 0.5″ core	
Ribbon width	25.4 mm ~ 110 mm (1" ~ 4.3")		
Processor	32-bit 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	1 button, 8 LEDs		
interface Interface	USB 2.0, RS-232		
Bluetooth(option), WIFI IEEE 802.11 b/g/n (option), Ethernet		•	
Sensors	Transmissive gap sensor (adjustable), Reflective gap sensor, Ribbon end sensor, Head open sensor,		
Schools		rend sensor(option)	
Internal fonts	Seven kinds	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- 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,		
		ode, MaxiCode	
		TF-14), SSCC, GS1-128, GS1 DataBar, GS1 Composite	
Printer	WPL (Compatible to the	e other printer languages)	
language Dealer options		iser   External label stand	
Media width	•		
Media thickness	15 ~ 110 mm (0.59" ~ 4.3") 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		y not included)	
Safety	CE Class B, FCC Class B, CCC, CB		
regulation			
Bundled	WinLabel labelling application, windows printer driver, printer utility, DLL SDK library, EXE executive AP for batch print.		
software	Platform support: Windows XP, Vista, 7, 8, 8.1, 10 and Server 2003, 2008, 2012, 2012R2 (32/64 bit)		