

## <LP423A / LP433A>



User Manual : LP4 series Issue Date : 2020/11/18 Version 4.2



# Declaration

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## Compliances

CE Class A

FCC Part 15, Class A

СВ

Comply with RoHS regulation

```
警告
此为 A 级产品,在生活环境中,该产品可能会造成无线电干扰。在这种情况下,可能需要用户对干
扰采取切实可行的措施。
```



# **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.
- Please choose designated adapter model of Wincode to connect printer accordingly.



# Contents

	ECLARATION	
SA 1.	FETY INSTRUCTIONS PRODUCT INTRODUCTION	
1.	1.1 UNPACKING AND CHECKING	
	1.2 Appearance	
2.		
	2.1 Setting up the printer	
	2.2 RIBBON LOADING	10 -
	2.3 LABEL LOADING	16 -
	2.4 REAL TIME CLOCK BATTERY INSTALLATION	19 -
	2.5 CUTTER INSTALLATION (OPTIONAL)	20 -
	2.5.1Label Installation	22 -
	2.6 PEELER INSTALLATION (OPTIONAL)	23 -
	2.6.1Label Installation	26 -
3.	DRIVER INSTALLATION	27 -
	3.1 PRINTER INSTALLATION	28 -
	3.2 INSTALL DRIVER WITH "ADD A PRINTER" IN MICROSOFT	32 -
	3.2.1 Printer Installation	33 -
	3.3 Printing Setup (Driver Setup)	40 -
	3.3.1 Page Setup	40 -
	3.3.2 Media Settings	41 -
	3.3.3 Sensor Calibration	43 -
	3.3.4 Options	44 -
	3.3.5 Image Processing	47 -
	3.3.6 Tools	48 -
	3.3.7 About	49 -
4.	WINLABEL TOOL SUITE	50 -
	4.1 Software Introduction	50 -
	4.2 Software Installation	51 -
	4.3 WINLABEL LABEL EDITING SOFTWARE	52 -
	4.4 Update settings and update check	53 -
	4.5 Firmware update Tool	54 -
5.	PRINTER UTILITY	55 -
	5.1 PRINTING SUMMARY	57 -
	5.2 Settings	58 -
	5.3 FILE MANAGEMENT	61 -
	5.4 Send Command	62 -



6.LED INDICATORS AND BUTTON EXPLANATION	· 63 -
6.1 LED AND BUTTON DESCRIPTION	- 64 -
7.LCD MENU DESCRIPTION	- 65 -
7.1 Program	- 66 -
7.2 Setting	- 67 -
7.3 DEVICE	- 68 -
7.4 COMMUNICATION PORT	- 69 -
7.5 File System	- 70 -
7.6 INFORMATION	- 70 -
7.7 Upgrade	- 71 -
8.STANDALONE PRINTING	- 72 -
8.1 Feature	- 72 -
8.2 User Interface	- 73 -
8.3 Hardware notice	- 75 -
8.3.1 Equipment Introduction	- 75 -
8.3.2 Printer Ports Introduction	- 76 -
8.3.3 Printer RS-232 pin assignment	· 76 -
8.3.4 Printer serial port with electronic scales pin assignment	· 77 -
8.3.5 Printer serial port with RS-232 scanner pin assignment	· 77 -
8.3.6 External device	· 78 -
8.3.7 How to contact printer electronic scales	· 79 -
8.4 OPERATING PROCEDURES	- 81 -
8.4.1 Standalone operating procedures diagram	- 81 -
8.4.2 How to make a standalone file	- 82 -
8.5 How to download the file to the printer	- 93 -
8.6 How to execute standalone file	- 99 -
8.7 Actual cases using standalone operation	101 -
9.GENERAL KEYPAD CORRESPONDENCE	102 -
10. NUMERIC KEYPAD CORRESPONDENCE	
11. MAINTENANCE 1 12. APPENDIX – LP4A SERIES SPECIFICATION	



## **1. Product Introduction**

Thank you for purchasing Wincode's LP4A 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.

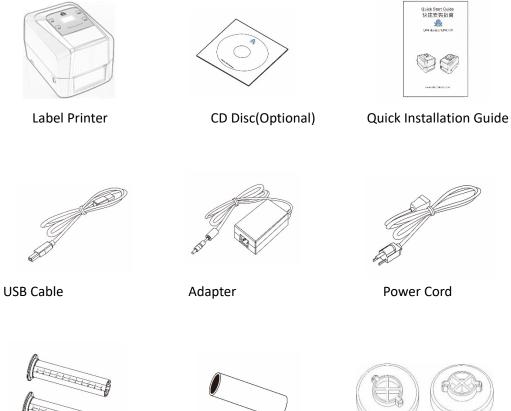
In addition, LP4N series label printer with elegant bright black enclosure has cover open buffer design to avoid hand clamped in operation; The maximum 5" outside diameter label loading space; Dual ribbon loading design enables user to use 100m or 300m ribbon; It is also equipped 32 bit processor with 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.

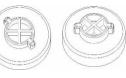


## 1.1 Unpacking and checking

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.



and the second s



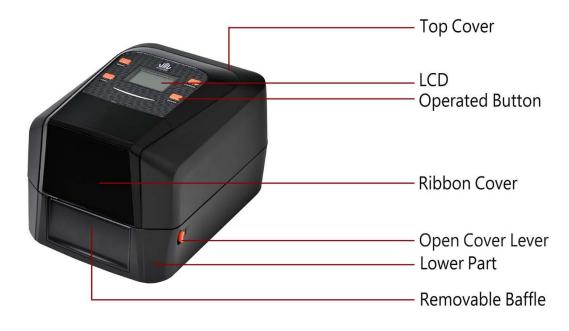
**Ribbon Supply Spindle** Ribbon Take-up Spindle

Empty Paper Core (1" core)

0.5" ribbon cap



## **1.2 Appearance**



(Figure 1: Front View)



(Figure 2: Rear View)





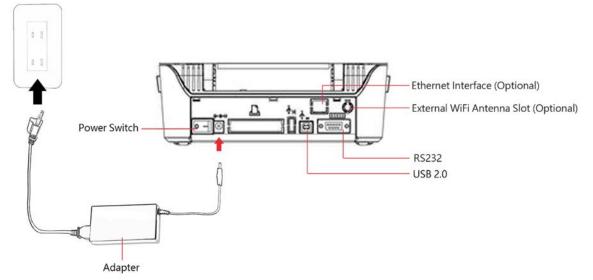


as ICE-



## 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
   320-C13 as right figure.

520 015 051	ight inguict		
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	$\bigcirc$		
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 takeup 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).





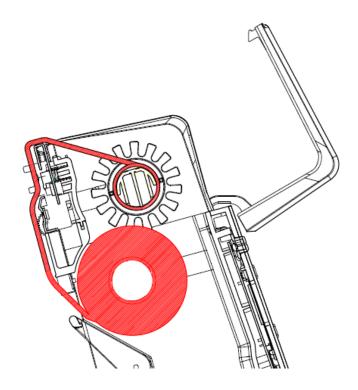


4) Pull the ribbon to bypass print head and then attach the ribbon leader on the empty paper core with tapes, then rotate the ribbon rewind wheel until ribbon surface has no wrinkle; Close the ribbon cover to finish ribbon installation.





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.



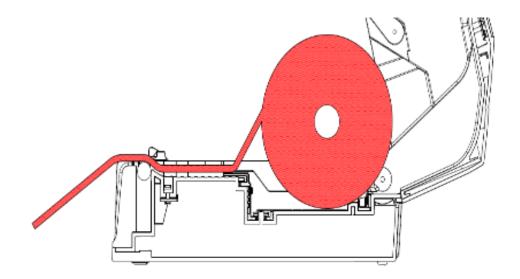


2) Pull the label paper through the rubber roller and push the both sides of label under the label guides. Close the top cover to finish label installation.





### 3) Label installation path







### 2.4 Real Time Clock Battery Installation

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

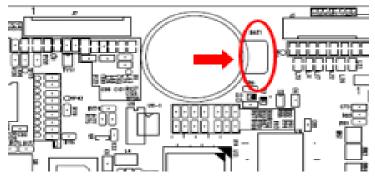
- 1) Turn off the power, and then remove the power cord and relevant connected cable.
- 2) Open the chassis cover at the bottom, there is a battery with insulation sheet.



3) Pull out the insulation shim.

#### 2.4.2 Replace the battery

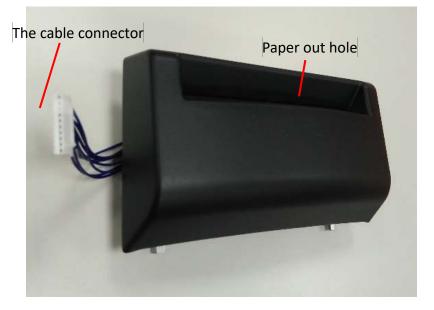
- 1) Turn off the power and disconnect all the cables attached.
- 2) Loose the three screws at the bottom, and then open the lower part cover to see the motherboard.
- 3) Press the button beside the battery as below figure.
- 4) The battery would be left from the mount.
- 5) Place a new battery and then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



\*Notice: the battery model CR2032 is recommended.



### 2.5 Cutter Installation (Optional)

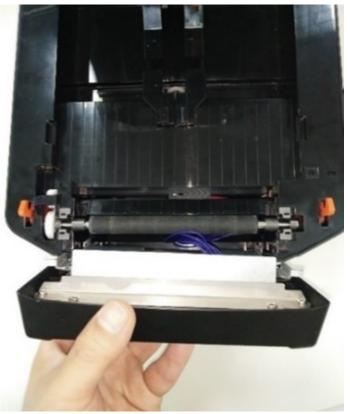


- 1) Turn off the power and disconnect all the cables attached.
- 2) Open the upper cover and take down the front baffle.
- 3) Make the connected cable go through the hole of right side of lower part.





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.



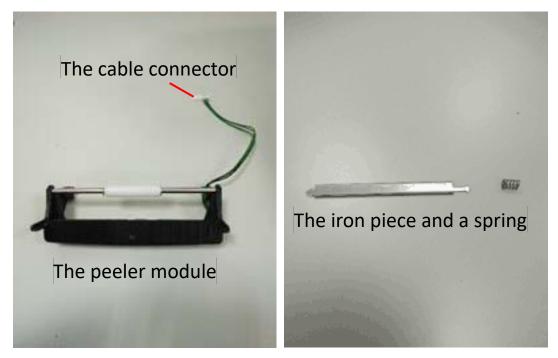
### 2.5.1Label Installation

- 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.





### 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.

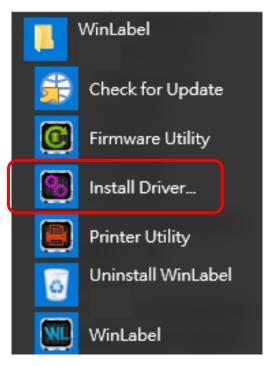




## 3. Driver installation

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

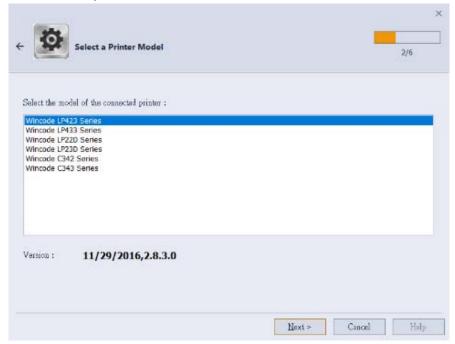
After WinLabel installation, the user could find the "Install Driver" icon in the START menu to execute it.

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".



e 🔯 sela	ect a Port and Printer Name		3/6
Specifies the connex Connection Port USB002 USB003 192.168.0.168 192.168.111.222 SHRFAX: COM1: COM2: COM4: FILE:	Type USB 的虚凝印表機連接埠 USB 的虛凝印表機連接埠 USB 的虛凝印表機連接埠 Standard TCP/IP Port	re using TCP / IP, please create a new port. Printer Name Wincode LP423 Set as default printer	
		Next > Cance	Help

- > 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).

		Conf	igure TCP/IP Port		
pecifies the connection <b>p</b>	ort use	۲	Auto Search		port.
Connection Port WSD-462048a9-b87 US8022 US8003 US8001 US8004 US8017 US8005 US8005 US8002 US8006 US8007	Type WSD USB É USB É USB É USB É USB É USB É	0	192.168.0.24:9 1924 LP423A (70 192.168.0.27:9 Label Printer (70 192.168.0.29:9 1929 LP423A (70 User Set IP : 1 Port : 9 0K	83:D5:3F:40:19] 100 183:D5:3F:40:02] 100 83:D5:3F:40:1C] 92:168:000.060	



#### Step3

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

÷	Ready to	Install		-	×
	Printer will be in	istalled 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

The driver installation would require several minutes.

Installing	5/6
Installing the selected printer, please wait.	



#### Step5

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



#### Step6

The driver installation is finished.

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

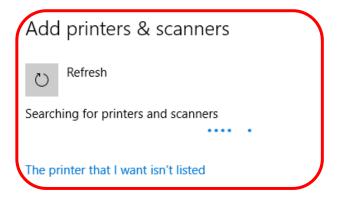


## **3.2 Install driver with "Add a Printer" in Microsoft**

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



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"

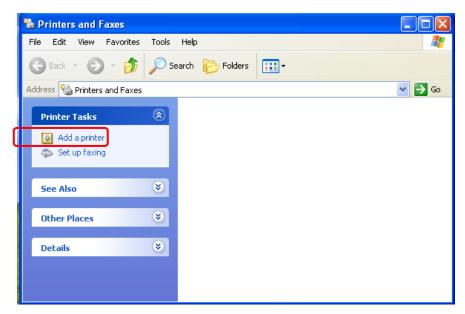
槽 Devices and Printer:	5			- 🗆 ×
$\leftarrow \rightarrow  \cdot  \wedge  \bar{\mathfrak{A}}$	<ul> <li>Hardware a<sub>n</sub> ≥ De</li> </ul>	vices and Printers	✓ ◎ Search Dev	rices and Printers 📿 🔎
Add a device Ad	d a printer			= • ()
> Devices (3)				
Printers (10) ————————————————————————————————————				
Ý	٢	<b>\$</b>		۲
Fax	Microsoft Print to PDF	Microsoft XPS Document Writer	RICOH Aficio MP C4000 PCL 6	Send To OneNote 2016
	101	Cocoment writer	01000 PCC 0	2010
\$		$\langle \rangle$	S	$\mathbf{s}$
Wincode LP423	Wincode LP423 (Copy 1)	Wincode LP423 (Copy 2)	Wincode LP423( 複件 1)	Wincode LP423( 被件 3)
	(copy I)	(Copy 2)	120+ I)	421 <del>+</del> 3)
3 iten	ns selected Manutact. Mo Descript	del: (multiple values)		



• Windows XP Platform

 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)

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

$\leftarrow$	🖶 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			
	$\bigcirc$ 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 existing port", choose the corresponding port, then click "Next" (Then go to step "6)")

←	🖶 Add Printer		×
	Choose a printer port		
	A printer port is a type of conn printer.	ection that allows your computer to exchange information wi	ith a
	• Use an existing port:	LPT1: (Printer Port)	$\sim$
	○ <u>C</u> reate a new port:		
	Type of port:	Local Port	$\sim$
		<u>N</u> ext Can	cel

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

	×
🔶 🖶 Add Printer	
Choose a printer por	rt
A printer port is a type of c printer.	connection that allows your computer to exchange information with a
○ <u>U</u> se an existing port:	LPT1: (Printer Port) $\sidesimes$
<u> <u> C</u>reate a new port: </u>	
Type of port:	Local Port ~
	Local Port
	Local Fort

<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

Device type:	TCP/IP Device $\vee$
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 detecting.
$\leftarrow$	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



Х

 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".

← 🖶 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.

address is correct, select the device type below.	
Device Type	
O Standard Generic Network Card	~
 ● <u>C</u> ustom <u>Settings.</u>	
	Next Cancel
	<u>IN</u> EXT Cancer
Configure Standard TCP/IP Port Monitor	×
Port Settings	
Port Name:         192.168.0.123           Printer Name or IP Address:         192.168.0.123	
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 Enabled	
<u>C</u> ommunity Name: <b>public</b>	
SNMP Device Index: 1	

OK

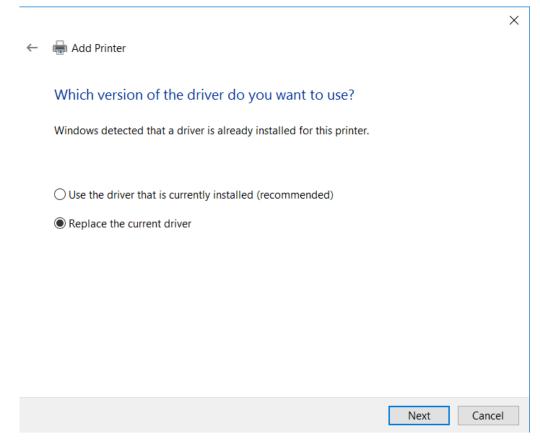
Cancel



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

sum the printer	r driver		
Choose your	printer from	the list. Click Windows Update to see more models.	
To install the	driver from a	an installation CD, click Have Disk.	
Manufacturer	^	Printers	^
DKI		Wincode C343	
NCOH		Wincode LP22D	
		Wincode LP23D	
Samsung		The second	
amsung Savin		Wincode LP423	
-	~	Wincode LP423	~
avin	~	Wincode LP433	~

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





7)	Ente	er th	ne printer name,	click "Next".	
			_		×
		<b>←</b>	🖶 Add Printer		
			Type a printer n	ame	
			Printer name:	Wincode LP423 (Copy 4)	
			This printer will be ir	stalled with the Wincode LP423 driver.	
				Next Ca	ancel
8)	Se	elect	"Do not share t	his printer" click "Next".	×
		÷	🖶 Add Printer		
			Printer Sharing		
				this printer, you must provide a share name. You can use the suggester one. The share name will be visible to other network users.	d
			Do not share this	printer	
			○ <u>S</u> hare this printer	so that others on your network can find and use it	
			S <u>h</u> are name:	Wincode LP423 (Copy 4)	
			Location:		
			<u>C</u> omment:		
				<u>N</u> ext Ca	ancel



 $\times$ 

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.

Print a test page

Finish Cancel



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

## 3.3.1 Page Setup

Page	Media	Calibration	Options	Image Processing	Tools	About
Pape Nam	r/Layout <b>ne</b> :					
4 x	3 in ( 10.16	6 x 7.62 cm)				$\sim$
		Add	I	Delete	Edit	
		Directions	:			
	A	Portrait				
	• •	O Landsca	ape			
		✓ Rotate 1	180 degree			
Settin	ngs Nies:					
1		(1~9	9999)			
	ed :		,	Darkness :		
3 ip			$\sim$	8		$\sim$
Mea	asuremen	t:				
() ir	nch	⊖cm		⊖mm		
				Language : Engli	sh	~

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.
	<b>Caution</b> : 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

/

ltem	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.
	<ul> <li>Label with marks :</li> <li>"Black Line" is the thickness in each black line.</li> <li>Continuous :</li> <li>Continuous label type: Ignoring the gap or mark of label</li> <li>Stop On Last Element: Printing action will stop while printing the last label</li> </ul>
Sensor	Sensor type:
settings	<ul> <li>Use Current Printer Setting (by previous setting)</li> </ul>
	Reflective sensor (Recommend)



Transmissive sensor

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

		Caltheatter				
age	Media	Calibration	Options	Image Processing	Tools	About
	or Settings ise run the		on after the la	abel material has been c	changed.	
Lab	el Type :	:				
Cor	ntinuous		$\sim$			
Ser	ISOF :					
Ref	lective		~			
۰	uto Calibra	tion	0	Manual Set		
	Star	t 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 $\checkmark$
	Set to Printer



## 3.3.4 Options

Page	Media	Calibration	Options	Image Processing	Tools	About
After	Print					
<b>√</b> (	Jse Curre	nt Printer Se	ttings			
0	lone					
۱ ا	ear Off					
OF	eeler					
00	lutter					
				User C	Commands	

ltem	Description
After Print	Default: Use Current Printer Settings. The below options will show after removing the tick.
	None: The label will be stopped after printing the last label.
	Page       Media       Calibration       Options       Image Processing       Tools       About         After Print       Use       Use       Current Printer Settings       Image Processing       Tools       About         Image Processing       Tools       Use       Tools       About         Image Processing       Tools       About       Image Processing       Tools       About         Image Processing       Tools       User Commands       Image Processing       Image Processing       Tools       About
	Tear off: The label gap will be stopped at the tear off position that letting user easily tear off the label.



After Print         Use Current Printer Settings         None         Image: Present Printer Settings         Outer         Image: Present Printer Settings         User Commands    Peeler: with peeler module, the labels can be printer continuously while printing. The printer will feel next label after the current label peeled. The Peel position can be adjusted with the "Peer Position" selected.          Page       Media         Calibration       Options         Image Processing       Tools         Abor       Options         Image Processing       Tools		Page Media Calibration Options Image Processing Tools A
<ul> <li>None</li> <li>Tear Off Position</li> <li>Peeler</li> <li>Cutter</li> <li>Press a button to print</li> <li>User Commands</li> </ul> Peeler: with peeler module, the labels can be p continuously while printing. The printer will fee next label after the current label peeled. The Peel position can be adjusted with the "Peer Position" selected. Page Media Calibration Options Image Processing Tools Abor Atter Print <ul> <li>User Current Printer Settings</li> <li>None</li> <li>Tear Off</li> </ul>		After Print
<ul> <li>Peeler</li> <li>Cutter</li> <li>Press a button to print</li> <li>User Commands</li> <li>Peeler: with peeler module, the labels can be p continuously while printing. The printer will feel next label after the current label peeled.</li> <li>The Peel position can be adjusted with the "Peel Position" selected.</li> <li>Page Media Calibration Options Image Processing Tools Abor After Print</li> <li>Use Current Printer Settings</li> <li>None</li> <li>Tear Off</li> </ul>		Use Current Printer Settings
Peeler Cutter Press a button to print User Commands Veeler: with peeler module, the labels can be processing to be printer will feel next label after the current label peeled. The Peel position can be adjusted with the "Peel Position" selected. Page Media Calibration Options Image Processing Tools Abore After Print Use Current Printer Settings None Tear Off Peel Off Position		None Tear Off Position
Peeler Cutter Press a button to print User Commands Veeler: with peeler module, the labels can be processing to be printer will feel next label after the current label peeled. The Peel position can be adjusted with the "Peel Position" selected. Page Media Calibration Options Image Processing Tools Abore After Print Use Current Printer Settings None Tear Off Peel Off Position		Default (0 Dots)
Cutter Press a button to print User Commands Veeler: with peeler module, the labels can be processing to a be printer will feel next label after the current label peeled. The Peel position can be adjusted with the "Peer Position" selected. Page Media Calibration Options Image Processing Tools Abore Current Printer Settings None Tear Off Peel Off Position		● Tear Off
<ul> <li>Press a button to print         <ul> <li>User Commands</li> </ul> </li> <li>Peeler: with peeler module, the labels can be procontinuously while printing. The printer will feel next label after the current label peeled.         <ul> <li>The Peel position can be adjusted with the "Peel Position" selected.</li> </ul> </li> <li>Page Media Calibration Options Image Processing Tools Abor After Print         <ul> <li>Use Current Printer Settings             <ul> <li>None</li> <li>Tear Off</li> <li>Peel Off Position</li> </ul> </li> </ul></li></ul>		O Peeler
<ul> <li>Deeler: with peeler module, the labels can be processing tools and the printing. The printer will feel next label after the current label peeled.</li> <li>The Peel position can be adjusted with the "Peel Position" selected.</li> <li>Page Media Calibration Options Image Processing Tools Abornation (Peel Off Position)</li> </ul>		◯ Cutter
<ul> <li>Peeler: with peeler module, the labels can be p continuously while printing. The printer will fee next label after the current label peeled.</li> <li>The Peel position can be adjusted with the "Pee Position" selected.</li> <li>Page Media Calibration Options Image Processing Tools Abo After Print</li> <li>Use Current Printer Settings</li> <li>None</li> <li>Tear Off</li> </ul>		Press a button to print
continuously while printing. The printer will fee next label after the current label peeled. The Peel position can be adjusted with the "Pee Position" selected. Page Media Calibration Options Image Processing Tools Abo After Print Use Current Printer Settings None Tear Off Peel Off Position		User Commands
continuously while printing. The printer will fee next label after the current label peeled. The Peel position can be adjusted with the "Pee Position" selected. Page Media Calibration Options Image Processing Tools Abo After Print Use Current Printer Settings None Tear Off Peel Off Position		
Peopler     Default (0 Data)	F	continuously while printing. The printer will f next label after the current label peeled. The Peel position can be adjusted with the "F
		Page       Media       Calibration       Options       Image Processing       Tools       A         After Print
O Cutter User Commands		Page       Media       Calibration       Options       Image Processing       Tools       A         After Print       Use Current Printer Settings



	"Every Cut": the amount of pages that come out once					
	running the cutter.					
	"Cut Position": the cutting position will be adjustable					
	while selected.					
	Page Media Calibration Options Image Processing Tools About					
	After Print					
	Use Current Printer Settings					
	○ None					
	◯ Tear Off					
	⊖ Peeler					
	Every Cut     I     Label(s)					
	Default (0 Dots)					
	Press a button to print					
	User Commands					
User	User can fill in the printer commands in this dialog when it					
Commands	is needed. Select and press "", a new window will pop out					
Commanus						
	and the user can key in the commands.					
	User Commands X					
	Start of Job:					
	End of Job:					
	Start of Page:					
	End of Page:					
	Maximum 80 characters					
	OK Cancel					





# 3.3.5 Image Processing

Load Im	age		Load Defau	lt Image	
			Flip F    Flip V    X-axi:	t Image Iorizontal Vertical s Offset s Offset	
Binarization :	Error [	Diffusion	~		
Forced Rotate 90	For software w	ith no rotate sur	nort ex Micro	nsoft Word	d)

Item	Description
Image Processing	Load Image: The selected image will be displayed in below area.
	Load Default Image.
	Binarization:
	Converts color images to different kind of black-and-white image.
	F&S Error Diffusion     •       F&S Error Diffusion     Bayer 4 × 4       Bayer 8 × 8     Cluster 6 × 6       Cluster 6 × 6     Cluster 8 × 8       Cluster 16 × 16     Bayer 16 × 16       Threshold     Threshold
	Invert Image: Convert image color.
	Flip Horizontal: Flip along X axis.
	Flip Vertical: Flip along Y axis.
	X-axis Offset: Adjust the print position in the horizontal
	direction.
	Y-axis Offset: Adjust the print position in the vertical direction.
	➢ 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.



## 3.3.6 Tools

Page	Media	Calibration	Options	Im	age Processing	Tools	About
Print		Generic Test			Self Tes	st	
Actio	n	Reset Printer			Label Fe	ed	
	F	actory Defaults					
Send	to Printer						
Disr		nter Command t Messages			File		
		For Debugging F	<sup>p</sup> urpose)				

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.
	<ul> <li>Factory Defaults : Inside parameters to be default</li> </ul>
	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> .
	<ul> <li>Files : Select a command file (*.prn) from the stored space of computer</li> </ul>
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.

	<b>X</b> • • • • • • • • • • • • • • • • • • •	
	ODE	
ES 203 dpi 4 inches		
•		
3.3.3 Build 55		
VINCODE Technolog	y Co., Ltd. 2018 All right	s reserved.
	ES 203 dpi 4 inches 3.3.3 Build 55 WINCODE VINCODE Technolog	ES 203 dpi 4 inches



# 4. WinLabel tool suite

#### 4.1 Software Introduction

WinLabel tool suit supports the below platform: Windows 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.

lcons	Description
	WinLabel : Label editing software
	Printer Utility:Printer tool
	Install Driver : Driver installation tool
C	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 which could be downloaded from our official website (<u>http://www.wincodetek.com/service</u>), choose a preferred language (English, Spanish, Turkish, traditional Chinese, simplified Chinese, and Korean) and then input a stored path to finish the software installation.



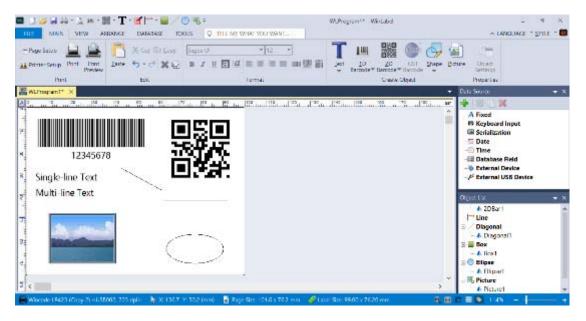


#### 4.3 WINLABEL Label Editing Software

#### 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

	FILE	MAII	N VIEW	ARRANG	E DATAB	ASE
	Printer Utility Too	Install Driver	Update Up Settings Ch Update	neok		
Up	date Option	s				×
			es automatically o download and inst	all updates		
			v download and inst		All $\sim$	updates
	heck frequer lext check: 1	-	2 days /ednesday, Octobe	r 28, 2015		
D	Downloads folder:		C:\ProgramData	WinCode Techno	logy\WinLabel\upd	ates\
L					ОК	Cancel
	WinLabe	el				×
Y	Your software is up to date					
				ОК		



#### 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.
- Press the "Search" button when selecting Ethernet, the system will search the LAN network and list all the connecting printers.

Port		Ves. 3. 3. 0. 30 [Lycaese
Type	墨 Ethernet	
Connection:	192.168.0.24:9100 Name:IP24 LP423A MA	4C:70:83:D5:3F:40:19
	192.168.0.27:9100 Name:Label Printer M	AC:70:83:D5:3F:40:02
		South
Printer Infor	mation	
S/N:		
FW Ver		
Firmware Fil	e	
For		
Mode		
Version :		
	1	-

ltem	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

HOME		WINCODE Print	er Utility		- LANGUAG	× E * 🗐
<b>ψ</b> Interface Port USB		ovvnload Upload Ormation Information		nand	Unit Converter	
Drinker Comment	Printer		Page			
Printer Summary Name:		Status: No Conne	otion			
				한 Get Status		
Serial Number:		Usage R	Records	Inter	met Information	
Firmware Version:		Printed Length:		Printer Name :		
Resolution:		Pages printed:		IP : [		
Command:		Cutting Times:		MAC : [		
Send Command						
Sensor and Paper Size De	ection —			Records:		
Please run the sensor	calibration after the label material has	Get Label Size	Get Sensor Value			
		Cutter Turing Clockwise	Cutter Turning Anti-Clockwise			
Label Ty	pe: Label with Gaps 👻	Restore Factory Defaults	Print Self Test			
	ns: Reflective *	Residie Pacioly Defaults	TIMUSEN TEST			
Paper Leng	th : 100 mm	Reset Printer	Enter DUMP Mode			
Ste	art Calibration					
Link to WinCode Offical W	ebsite.					
				_		
Link to WinCode Offical W	ebsite. Descriptior	1				
	Descriptior		USB, RS232, L	PT (Centro	onics), Ether	net.
m erface port	Description	ort selection:		•		
m	Description	ort selection:	USB, RS232, L nected to the o	•		
m erface port	Description Interface point While the p	ort selection: printer is conr		computer,	the program	
m erface port	Description Interface point While the pautomatica	ort selection: printer is conr Ily detect the	nected to the o printer device	computer, e. User ca	the program	
erface port nter selection	Description Interface point While the pautomatica connected	ort selection: printer is conr Ily detect the printer from	nected to the o printer device the pulldown	computer, e. User car ist.	the program	n car
m erface port	Description Interface point While the pautomatica connected	ort selection: printer is conr Ily detect the printer from	nected to the o printer device	computer, e. User car ist.	the program	n car
erface port nter selection	Description Interface point While the pautomatica connected When RS-2	ort selection: printer is conr Ily detect the printer from 32 or Etherne	nected to the o e printer device the pulldown l et is connected	computer, e. User car ist. I, select fo	the program n select a pr interface s	n car settir
erface port nter selection	Description Interface point While the pautomatica connected When RS-22 • RS-2	ort selection: printer is conr Ily detect the printer from 32 or Etherne 232: bps, dat	nected to the o printer device the pulldown	computer, e. User car ist. I, select fo	the program n select a pr interface s	n car settii
erface port nter selection	Description Interface point While the pautomatica connected When RS-22 • RS- sele	ort selection: printer is conr Ily detect the printer from 32 or Etherne 232: bps, dat ection.	nected to the o e printer device the pulldown l et is connected	computer, e. User car ist. I, select fo	the program n select a pr interface s	n car settir
erface port nter selection	Description Interface point While the pautomatica connected When RS-22 • RS-2	ort selection: printer is conr Ily detect the printer from 32 or Etherne 232: bps, dat ection.	nected to the o e printer device the pulldown l et is connected	computer, e. User car ist. I, select fo	the program n select a pr interface s	n car settir
erface port nter selection	Description Interface point While the pautomatica connected When RS-22 • RS- sele	ort selection: printer is conr Ily detect the printer from 32 or Etherne 232: bps, dat ection.	nected to the o e printer device the pulldown l et is connected	computer, e. User car ist. l, select fo eck, stop	the program n select a pr interface s	n car settir
erface port nter selection	Description Interface point While the pautomatica connected When RS-2 • RS-3 sele RS23	ort selection: printer is conr Ily detect the printer from 32 or Etherne 232: bps, dat ection.	nected to the o e printer device the pulldown l et is connected a bit, parity ch	computer, e. User car ist. d, select fo eck, stop	the program n select a pr interface s	n car settir
erface port nter selection	Description Interface point While the pautomatica connected When RS-2 • RS-3 sele RS23	ort selection: printer is conr Ily detect the printer from 1 32 or Etherne 232: bps, dat ection.	nected to the o e printer device the pulldown l et is connected a bit, parity ch	computer, e. User car ist. d, select fo eck, stop	the program n select a pr interface s	n car settir
erface port nter selection	Description Interface point While the pautomatica connected When RS-2 • RS-3 sele RS23	ort selection: printer is conr Ily detect the printer from 1 32 or Etherne 232: bps, dat ection.	nected to the o e printer device the pulldown l et is connected a bit, parity ch	computer, e. User can ist. d, select fo eck, stop	the program n select a pr interface s	n car settir
erface port nter selection	Description Interface point While the pautomatica connected When RS-2 • RS-3 sele RS23	ort selection: printer is conr Ily detect the printer from 1 32 or Etherne 232: bps, dat ection.	nected to the o e printer device the pulldown l et is connected a bit, parity ch	computer, e. User can ist. d, select fo eck, stop	the program n select a pr interface s	n car settir
m erface port nter selection	Description Interface point While the pautomatica connected When RS-2 • RS-3 sele RS23	ort selection: printer is conr Ily detect the printer from 1 32 or Etherne 232: bps, dat ection. 32 its Per Second : 11520 Data Bits : 8	nected to the o e printer device the pulldown l et is connected a bit, parity ch	computer, e. User can ist. d, select fo eck, stop	the program n select a pr interface s	n car settir
m erface port nter selection	Description Interface point While the pautomatica connected When RS-2 • RS-3 sele RS23	ort selection: printer is conr Ily detect the printer from 1 32 or Etherne 232: bps, dat ection.	nected to the o e printer device the pulldown l et is connected a bit, parity ch	computer, e. User can ist. d, select fo eck, stop	the program n select a pr interface s	n car settir

OK

 $\sim$ 

Cancel

Flow Control : Hardware



	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
information	Printer Summary area.
Upload	The settings in the Printer Utility will be uploaded to the printer.
information	





## 5.1 Printing Summary

Printer	Listing printer information		
Summary	<ul> <li>Send Command window</li> <li>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".</li> <li>Get Label Size: get the detected value of label size at the right table</li> <li>Get sensor value: get the detected value of the sensors at the right table</li> <li>Cutter Turning Clockwise: cutter cuts label from top to bottom (Fully cut)</li> <li>Cutter Turning Anti-Clockwise: cutter cuts from bottom to top (Not completely cut-off the label, the user can tear off the label)</li> <li>Restore Factory Defaults: restore the parameters of the printer to factory default settings.</li> <li>Printer Self Test: print out the internal settings of the printer.</li> <li>Reset Printer: restart the printer</li> <li>Enter DUMP Mode: enter to the DUMP mode (Press "menu" for returning to the original mode)</li> </ul>		
Settings	Please refer to the 3.5.2 Settings		
File Management	Check the detail files in the different store spaces		
Send command	Be able to send command to the printer, please refer to the Printer Command Manual.		
Unit- Tools page	Printing measurements: millimeter (mm), centimeter (cm), inch (in).		



# 5.2 Settings

			WINCODE Printer	Utility				-
HOME								LANGUAGE
Printer Selection	Port Settings	Down	Deload Upload nation Information		Send		m v Unit Unit Converte	r
rinter Setup			1	-	_			
Print Job			Others			Time Settings		
Name	Value		Name	Value		Time on the Pri	uter:	
Options			Characters					
Printing Speed (mm)	76.2		Character set	DOS 437 (English - US)				Get Time
Printing Darkness	8		4 RS-232					
Device			Bits Per Second	115200				
Device Selection	Normal		Data Bits	8		🕑 Ap	ply Computer Time	to Printer
Printing Mode	Thermal transfer printing		Parity Check	None		-		
Location			Stop Bit	1		_,, ,		
Feed Position Offset	0		Flow Control	Hardware		Manual:	2018/ 8/23	
Start Position Offset	0		Internet Connection				T	
Feed to device after pause	Close		Connect Method	DHCP			下午 04:54:04	*
I Drawing			Port	9100				
Label Direction	Page Out from Top		Name	WCPT			Set to Pi	inter
Mirror drawing	No	Ŧ	A Bluetooth		-		<u> </u>	
Media			System					
Name	Value		Name	Value				
Sensor			<ul> <li>Settings</li> </ul>					
Label Sensor	Reflective		Keyboard input country	US Keyboard		$\times$	Factory Defa	
Sensor Sensitivity	Low		On-screen display langua	English			Factory Defai	IIC
4 Label			LCD Contrast	Normal				
Label Type	Label with Gaps		Buzzer Volume	Middle				
Paper Width (mm)	101.6		Feed after cover close	Close		5	Undo All Modificat	
Paper Length (mm)	76.2		Command Emulation			5	undo Ail Modificat	ions
⊿ GAP			Printer Command	WPL				
Gap Length (mm)	3.05							
Length After Gap (mm)	0							

#### 1) Print Job

ltem	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.

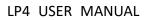


#### 4) System

Description
Default: US Keyboard
English, Traditional Chinese, Simplified Chinese, Spanish,
Italian, Vietnamese, Korean.
Review the LCD contrast settings
Review the Buzzer volume settings in the printer
Close / Open
Close / Open (Optional)
Close / Open, after selected, if the label size does not match
the settings, the system sends the error report.
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

<b>n</b>		WINCODE Printer Utility	-
HOME			LANGUAGE *
	Por Settin Printer		
File Management			
E: [SDCard] *	Show All Files	* Get File List	Send File to Printer
File Name	Ext.	Decription	Туре 💿 Normal 🔿 Font
			File Path
			File Size Stored Path E: [SDCard]
			Sadeu i aut E: [SDCard]
			Sena to rimter
			Space Management
			👱 Get Space Info
			C: [RamDisk]
Print Selected	File	Download selected File	D: [FlashDisk] E: [SDCard]
Delete Selected	l File	Format Targeted Disk	
Link to WinCode Offical Website.			

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	Download the selected files.		
file			
Print selected file	Print out the selected files.		
Send the file to the	Send the selected files or font to the assigned storage		
printer	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]		





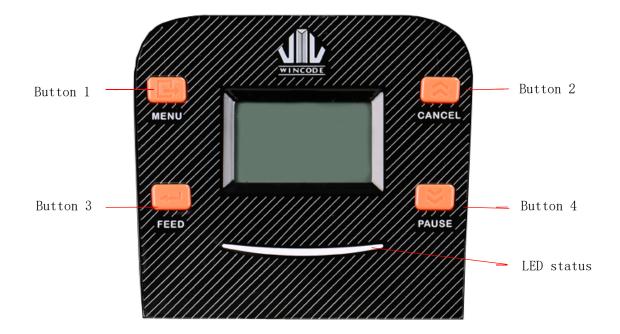
## 5.4 Send Command

	WINCODE Printer Utility	_ ×
HOME		language 👻 🛄
🜵 Interface Port	USB VIEW INTERVIEW INTERVI	t mm v Unit Converter Tools
Send Command		
• Edit <u>1</u>		Clear Current Editor
○ Edit <u>2</u>		Clear All Editors
○ Edit <u>3</u>		Paste to the Current Editor
<ul> <li>Edit <u>4</u></li> <li>Edit <u>5</u></li> </ul>		Copy Current Editor
⊖ Edit 6		Find
○ Edit <u>7</u>		Replace all
○ Edit <u>8</u>		
○ Edit <u>9</u>		Period Send
⊖ Edit 1 <u>0</u>		Time(sec): 10
	Send a File Sgye to File	Start
Link to WinCode C	fical Website.	

ltem	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		
	<ul> <li>Search and replace: replace the searched content</li> </ul>		
	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**



LP4A models has two color LEDs to show the status (red and blue color) and four functional buttons. Please see the below explanation.



# 6.1 LED and button description

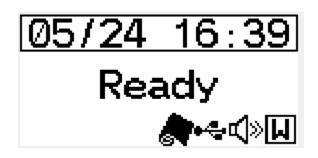
Ready – LED shows the blue light, Error – LED shows the red light

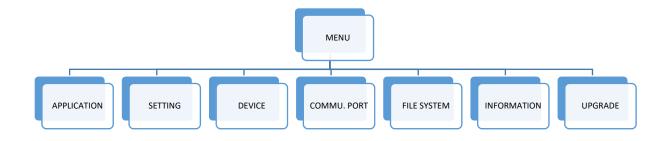
Press the Pause button to pause printing job. The red LED will be flash in the meanwhile.

Button/Light	Mode	Description
Button 1	Ready mode	Entering to the menu mode
MENU/EXIT	Printing Mode	No function
	Menu mode	Leave menu mode
Button 2	Ready mode	No function
CANCEL/UP	Printing Mode	Press once, cancel this error; Press twice, cancel printing job to return ready status
	Menu mode	Move up or forward
Button 3	Ready mode	Feed a label
FEED/ENTER	Printing Mode	No function
	Menu mode	Confirm option
Button 4	Ready mode	No function
PAUSE/DOWN	Printing Mode	pause printing
	Menu mode	Down or backward
Red LED	Red LED flash	Refers to all errors · e.g. motor, print head
ERROR		brokenetc.
Blue LED	Blue LED always on:	ready status
POWER	Blue LED flash	data transmission
Flash red and blue LED	Auto Run mode	Enter Auto Run



# **7.LCD** menu description







# 7.1 Program



Need to insert a SD card in the printer first, and then download the file to the SD card in the printer with WinLabel.		
Send To Printer :      SD Card (E: \)		
Or to insert the SD card to the computer, select "save in SD card". Mind to save the file under the subdirectory of WPL_Stuff. The subdirectory can be create itself or create automatically while SD car inserted.		
Save to File :     gram Files (x86)\WINCODE Technology\WinLabel     Browse		
Design the label on the WinLabel and then use "Download" function to download the standalone files to the Flash ROM of printer. The file in the flash disk will not be deleted if printer turns off the power		
Send To Printer :     Flash ROM (D:\)		
Design the label on the WinLabel and then use "Download" function to download the standalone files to the RAM Dish of printer. The file in the ram disk will be deleted if printer turns off the power Send To Printer : A C: )		



# 7.2 Setting



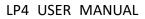
ltem	Description	Manufacturer Default
Label	<ul> <li>Label calibration: User can use this function to measure the label height and gap height.</li> <li>Sensor calibration: Please run the sensor calibration after the label material has been changed.</li> <li>Label Type: Gap, Black line, Continuous types of label</li> <li>Sensor Type: Transmissive or Reflective</li> <li>Start Line: Input -99 ~ +99 required parameters</li> <li>Feed Offset: Input -99 ~ +99 required parameters</li> <li>X Shift : Input -99 ~ +99 required parameters</li> <li>Y Shift : Input -99 ~ +99 required parameters</li> <li>Factory default : The parameters of printer will be factory default setting.</li> </ul>	<ul> <li>Label type: Gap</li> <li>Sensor type: Reflective</li> <li>Start line: +00</li> <li>Feed Offset: +00</li> <li>X shift: +00</li> <li>Y shift: +00</li> </ul>
Printer	<ul> <li>Density: Input required parameters 0-15</li> <li>Speed: Input required parameter 1-5 ips depended on the model type</li> <li>Thermal Mode: Thermal Transfer or Direct Thermal</li> <li>After Print: Tear off mode, Peeler mode, Cutter mode, Normal mode</li> </ul>	<ul> <li>Density: 5</li> <li>Speed: 3</li> <li>Thermal Mode: Thermal Transfer</li> <li>After Print: Tear off mode,</li> </ul>
UI	<ol> <li>LCD : Choose the required language on the LCD</li> <li>Keyboard Language: Choose keyboard input language</li> <li>Contrast: Set up the degree of contrast on the LCD</li> <li>Beep Volume: Adjust the volume of buzzer</li> </ol>	<ul> <li>LCD: 2</li> <li>Beep Volume: 3</li> </ul>
Emulation	Select the emulated printing language	Auto
Reset	Reset to manufacturer default mode.	



# 7.3 Device



ltem	Description
Keyboard	Keyboard 🔨 Scanner connectivity testing status (Suitable for HID
	device)
Time&Clock	Press (FEED) button to choose (12HR/24HR) 、Hour 、Minute
Cutter	Select Forward cut or Reverse Cut mode
Peeler	Press FEED button to peel label for testing
Dump	Enter to the dump mode (Press MENU button to return the ready
Mode	mode)
Dump	After entering, receive the information and print it on 57mm label,
(57mm)	this mode is for scale connection. (Press "menu" to return to the
	original mode.)





# 7.4 Communication Port



#### 1) RS-232 (commu. Port)

ltem	Description	Manufacturer Default
Baud Rate	Depends on the connected device to choose baud rate ( 4800/ 9600/ 19200/ 38400/ 57600/ 115200/ 230400 bps)	9600
Data Bits	Select 7 or 8(default)	8 bits
Parity Check	Select No Parity, Odd Parity, Even Parity	No Parity
Stop Bits	1 bit or 2 bits	1-bit
Flow control	Hardware / None	Hardware
transport Test	When device has been connected, user can transfer the parameters of device to the printer	

#### 2) Ethernet

ltem	Description	Manufacturer Default
IP mode	Static-IP or DHCP	Static-IP
IP address	IP Address setup	192.168.101.128
Subnet mask	Subnet mask setup	255.255.255.0
Gateway default	Gateway default setup	192.168.101.1
Port number	Port number setup	9100
MAC address	Show Ethernet ID information	
Reset	Reset to manufacturer default	

#### 3) Bluetooth (BT)

Item	Description	Manufacturer
		Default
Bluetooth Name	Setup the name of Bluetooth	BT-SPP
Bluetooth PIN code	Bluetooth PIN code setup	



# 7.5 File System



#### Listing the file details in the SD card or Flash disk or RAM disk

Item	Description
Disk Management	SD card, Flash Disk, RAM Disk selectable; search the file and system
	information; delete the file
SD information	Shown the used space, free space, all space of the SD card
Flash information	Shown the used space, free space, all space of the Flash Disk
RAM information	Shown the used space, free space, all space of the RAM Disk

# 7.6 Information



Item	Description	Manufacturer
		Default
Version	List the current firmware version	
Serial Number	List the product serial number	
Emulation	List the current printing language	Auto
Printed Labels	How many labels have been printed	0
Printed Distance	How many label length has been printed	0 M
Cut Count	How many cuts have been happened	0 pcs
Resolution	203 Dpi or 300 Dpi in this printhead	



# 7.7 Upgrade



Place the updated firmware in the WPL\_Stuff folder of SD card, and take this SD card inserting to the printer, then use this Upgrade option to click the selected file to confirm the updated procedure.



# 8.Standalone printing

### 8.1 Feature

This function provides a standalone operation without use the computer. Eliminating the burden of the PC to complete the requirement to print labels after a simple data input. This function has the following characteristics :

- No need to connect computer for label printing
- SD card can easily store thousands of standalone files
- Connecting keyboard to input the variable data
- Built-in Real-time clock for date coded labelling
- The diversity of external device connection (keyboard, scanner, and scale...etc.)

- Simplify the processes, printing label anytime and anywhere
- No need to write computer codes to create file
- Store thousands of standalone programs in different multiple language file names in the printer
- Provide a string combination from the multiple information and do arithmetic
- Free bundled labeling software for making standalone program file



#### **※Bundled labeling software for making standalone program file :**

- Provide a string combination from the multiple information (ex. Serial number + data + external input weight...etc.)
- Provide a variety of dynamic data processing for each variable field (ex. Discard text from left, keep numbers only, to upper case...etc.)
- Provide a variety of device input for each variable field (ex. Scale, RS232 interface, date, keyboard, scanner...etc.)
- External input data can execute arithmetic directly (+ x / %, round off, kilogram into pound...etc.)
- Standalone program file can be easily done by setting parameters on the Winlable. No need to write computer codes to create file anymore



WINLABEL

#### ※Diagram :





## 8.2 User Interface

LCD screen	Description
<u>06/12 17:42</u> Ready ♠⊷∰⊄≫⊌	<ul> <li>Main menu : Display the built-in Real-time clock. if time are incorrect, it can change the battery or the insulating strip doesn't remove.</li> <li>the printer is already connecting with keyboard or scanner.</li> <li>the SD card is inserted in the printer.</li> </ul>
APPLICATION	Press the button 1 to enter to the menu mode. The first item is "APPLICATION". It's the entry point of standalone operation.
File Source SD Card Flash Disk 1/3	Standalone file has 3 sources. There are SD card, Flash disk, and RAM disk. Depending on the size of the memory space to decide the number of store files, currently support 512 filed.
APPLICATION WLPFORM 1/1	Display the file list when enter the source. User can use keyboard or scanner to search the file name.
Source@KB 12345	This is the "keyboard input" standalone operation interface. The black part is the prompt text, it supports multiple language, the input section currently supports English and numbers.
Source@Cnt 1	This is the "number series" standalone operation interface. The black part is the prompt text, it supports multiple language, the input section currently supports English and numbers.



Wait Scale	This is the external device standalone operation interface; it can enter data by RS232. The black part is the prompt text, it supports multiple language.
Label Set ( 1 - 9999 ) 0001	Label set: when use serial number, it will ask user to enter.
Copies (1-9999) 0001	Label copies: It will display before the software download the file, select "prompt to enter quantity when print".



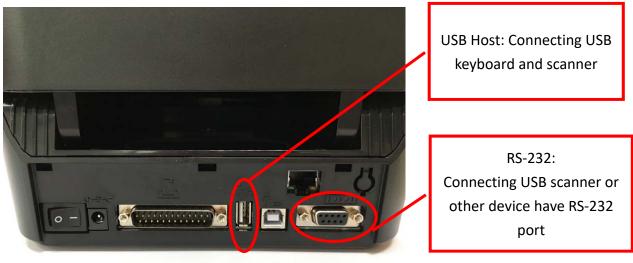
## 8.3 Hardware notice

## 8.3.1 Equipment Introduction

Equipment	Application
	Label printer: As the reception or internet RS-232 USB Host interface, so that the operation is no longer using a computer to complete the data collection, and print the label after edit the data.
	The electronic scale has RS-232 port, and can input the weight.
	Numeric keyboard connects to printer by USB port for enter variable data.
	DB9: connect the scale to printer.
	Null Modem: Convert the data line, electronic scale and printer can pass.
SDHC Card ≅© <b>32</b> GB SanDisk	SD card: It can save thousands of standalone file and other related document. The file system must be FAT32 and saving menu is "WPL_Stuff".

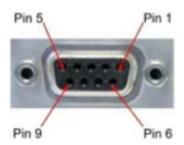


### 8.3.2 Printer Ports Introduction



The power consumption of the external device does not exceed 5V / 1.0A. If the USB host needs to connect to multiple devices at the same time, we recommend to use self-power hub.

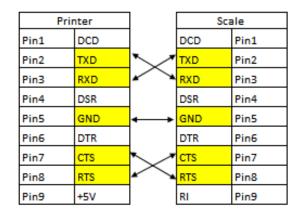
#### 8.3.3 Printer RS-232 pin assignment



Pin	Define	Description
1	DCD	Data Carrier Detected
2	TXD	Transmit Data
3	RXD	Receive Data
4	DSR	Data Set Ready
5	GND	Signal Ground
6	DTR	Data Terminal Ready
7	CTS	Clear to Send
8	RTS	Request to Send
9	RI	Ring Indicator

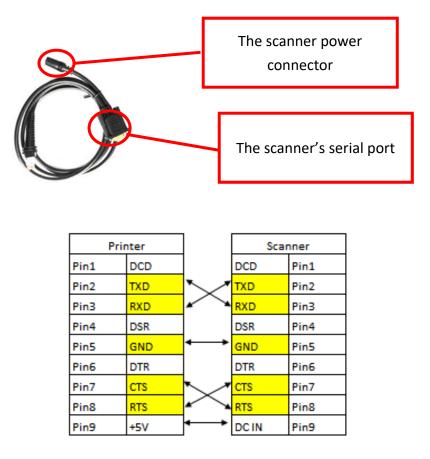


#### 8.3.4 Printer serial port with electronic scales pin assignment



Printer connect to external device is RXD and TXD connect each other and have the same Baud Rate in generally.

#### 8.3.5 Printer serial port with RS-232 scanner pin assignment



Connected printer to RS-232 by Use printer in pin 9 DC+5V and set same Baud Rate. If the scanner pins 9 is DC+5V input, it doesn't need external power.



### 8.3.6 External device

Keyboard	Numeric keyboard	Scanner
	1111	
Counter	Length measuring meter	Mechanical arm
Pricing scale	Scale on the ground	Table Scale
Paint tinting machine	Chromatic aberration	PLC
	machine	



### **8.3.7** How to contact printer electronic scales

1) Prepare the printer, electronic scale, cable, and null modem.

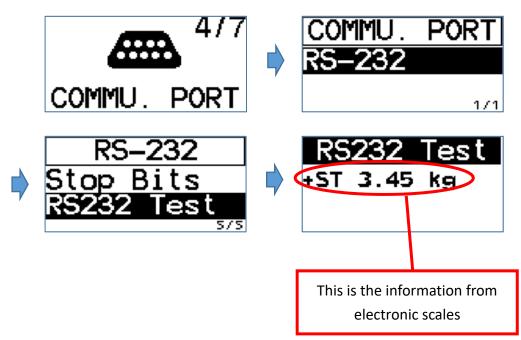


2) The electronic scale connected to printer by cable and null modem.

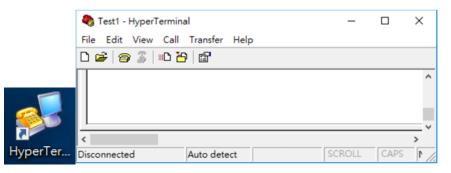




3) Enter printer menu, select "COMMU. PORT" to perform data transmission test. The preset Baud Rate of printer is 115200 bps; electronic scale is 9600 bps. Please change printer baud rate to 9600 bps.



**4)** If electronic scale output data are too much or include special characters, it can use HyperTerminal to capture RS-232 port data.



HyperTerminal official website :

http://www.hilgraeve.com/hyperterminal/

HyperTerminal trial version website :

http://www.hilgraeve.com/hyperterminal-trial/

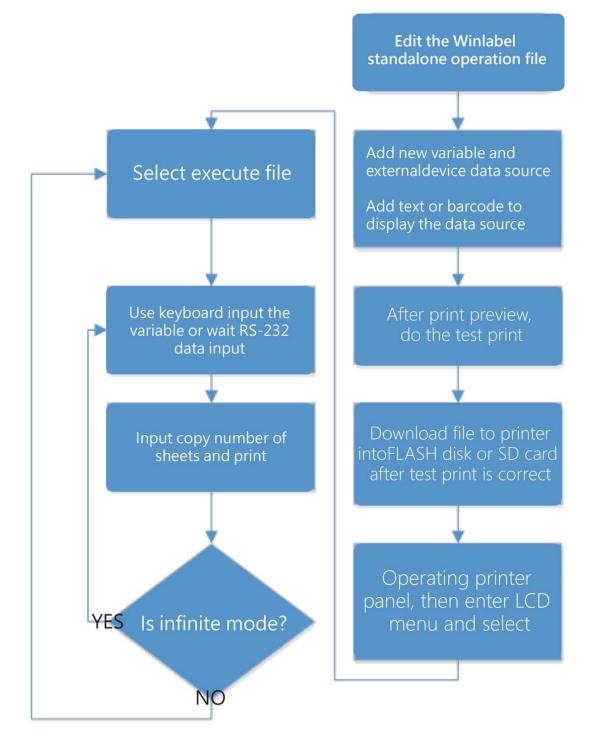
HyperTerminal video :

https://www.youtube.com/watch?v=n8p2zb3KRO8



## 8.4 Operating procedures

#### 8.4.1 Standalone operating procedures diagram





#### 8.4.2 How to make a standalone file

1) Please install the new Winlabel software and driver. Then open Winlabel program.



2) Click the new label, then select a printing method and WLP format.

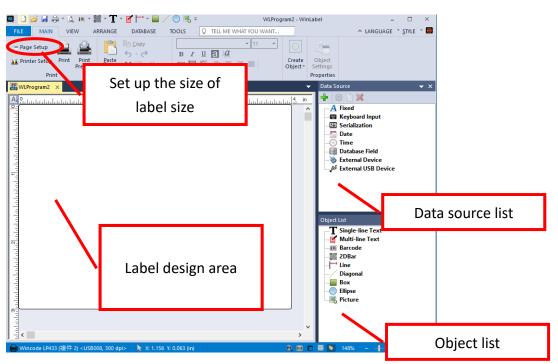
Select a Printer Driver
Printer <u>D</u> rivers
Wincode LP433 (複件 2), USB008 🔹 💿 Refresh List
Document Properties Printer Properties
File Type WLF : Direct Print © WLP : Standalone Program
Install Printer Driver         Devices and Printers         Finish         Cancel

3) Measure the label size first, and setup in "page setup". Please note the size of gap and black mark.

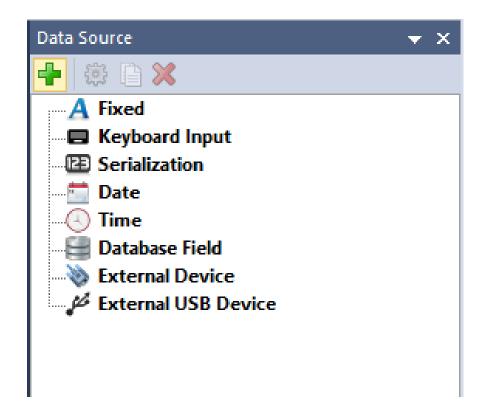
Page Setup		:	×
Page	Page Setup, settings here are associated with	the selected Printer	
	Dimension	Page Preview	
Label Layout		Name: 4 x 3 in (10.16 x 7.62 cm)	
Laber Layout	4 x 3 in ( 10.16 x 7.62 cm)		
	Width: 4.000 inch	Page: 4.000 x 3.000 (inch)	
Global Settings	Height: 3.000 inch	Label: 4.000 x 3.000 (inch)	
		Gap/Mark/Hole: 0.118 (inch)	
	Gap/Mark/Hole: 0.118 inch		
	Paper Tray		
	Source: Automatically Select		
		ctio	
	Orientation		
		Printing Direction	
		۵. ۱	
	· Deutruit · · · · · · · · · · · · · · · · · · ·		
	🗹 Rotate 180 degrees		
		OK Cancel	5



4) Then appears operating interface.



5) The variable data, we use in standalone operation will show in the "Data Source".





#### 6) We demonstrate an external input device example.

Create Data Source	×	
A Fixed Input fixed texts.		
E Keyboard Input A keyboard input field which let you to type when printing.		
Serialization A continuous number which incress / decress when prining.		
Date A date-formated text field.		
O Time A time-formated text field.		
Database Field Get texts from a database field.		
		Click here to add an
External Device		external source
Get texts from connected external device		
External USB Device محمر Get texts from connected USB device		
	Cancel	

- 7) Click "External Device" and then appear the dialog as below.
  - Prompt Text: It will display on the LCD screen when use standalone operation and can be any language.
  - Sample Text: Simulates RS232 received data, which will facilitate to confirm the information you want when typesetting.

				×		
Data Setting	Configure Datasource		Character	etring on l	CD	
São	Name		Character	string on l	.00	
Advanced Settings	Item 1		S	creen		
	Content					
		(Pr	ompt Maximum Chars: 1!	5)		
	Prompt Text So	ource@Exd				
	Sample Text Sa	imple Text		*		
	Maximum number of characters	255 🗸				
	Fetch Duration	100 🌲 ms				
	Input/Receive Type Normal / Press to Send	○ Continuous	Mode			
	<ul> <li>Request Command</li> </ul>	0		Simulate	s RS23	2
	Output Processing		<b>``</b>	receive	d data	
		Conve	ert Binary Data to Characte	er		
			<u>O</u> K	Cancel		



8) The user can add "external USB device" to get information through the connected USB scale.

Create Data Source	×
A Fixed Input fixed texts.	
Reyboard Input A keyboard input field which let you to type when printing.	
Serialization A continuous number which incress / decress when prining.	
Date	
⊙ Time A time-formated text field.	
Get texts from a database field.	Click to add external
External Device     Getter to an average transferrice	USB devices
External USB Device     Get texts from connected USB device	
Cance	cel

- 9) Click "external USB device", the following window will pop out:
  - "Hint character string" is the character string that shown on the LCD screen while the standalone printer operating, it can be any language of character string.
  - "Sample character string" can simulate the document that received by USB. It makes typesetting easier.

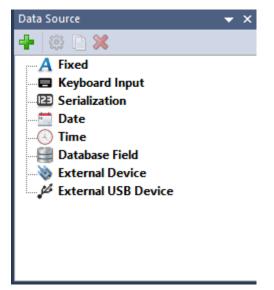
					×		
Data Setting	Configure Datasource						
63	Name						
Advanced Settings	Item1				t characte on LCD m	-	
	Content						
	Liompi loxi	<mark>ce@Exd</mark> pleText	(Prompt Mat	ximum Chars: 15	Ĵ		
	Maximum number of characters	255	*	Simu	lating the	informat	ion
	Fetch Duration	10	_ ms	Sinta		. informat	.1011
	Input/Receive Type		* ms		that USB ı	received	
	• Normal / Press to Send	0	Continuous Mode				
	O Request Command						
	Output Processing						
	Verify Command						
			Convert Binary	Data to Character			



10) For example, RS-232data input's 3.45 kg", LCD screen display "Wait Scale"  $\,\circ\,$ 

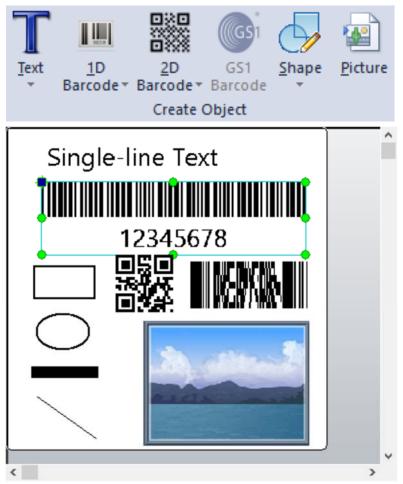
Settings	Name Item1						
	I.C.III						
	Content						
					(Prompt Maxii	num Chars: 15)	
	Prompt Text	Source	@Exd				
	Sample Text	+ST 3.45kg					-
			255				×
	Maximum number of characters	S		τ.			
	Fetch Duration _ Input/Receive Type		100	-	ms		
	• Normal / Press to Send		00	Contin	nuous Mode		
	○ Request Command						
	Output Processing						
	Verify Command						
					Convert Binary D	ata to Character	

- 11) Then make typesetting object to take the data source.
  - Object list as below
  - Currently only supports "Single-line Text", "Barcode", and "2DBar".

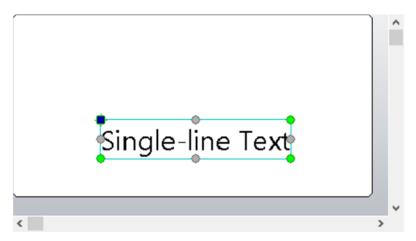




12) User can produce the object by using functional zone.



13) First select "Single-line Text"

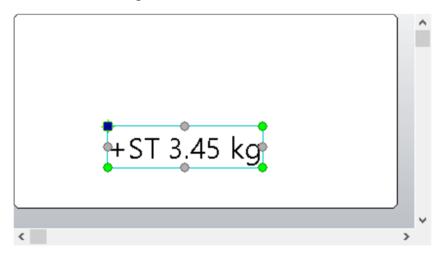




14) Click the object twice to enter the dialog as below. Select "Variable Data" and choose variable to add to data list. Data list can add multiple source as a result of a string of sequential combination.

	Modify Single-line Text	Object				×
	General	Content of 1	This Object			
		Data Source				
	Position	⊖ Single Fixed Data	⊙ Variable Data			
		Source:		Data List:	💼 <u>E</u> dit Selected Data	
	Content	Fixed: 媡 🛛	Add a Fixed Data	Item	Value	
	Ţ			📚 Item1	Sample Text	1
	Font	Wanable: 📎 Iten	n1: "SampleText" ∨			Ŧ
	Pont		🔶 <u>A</u> dd to List			
Can	gonorata no	- Cre	ate a Data Sourc 👻	4		*
	generate nev					
source	es of informat	ion				
					<u>O</u> K <u>C</u> a	ncel

15) After confirm the data sources, the object data will change to the select sources immediately. If the data doesn't we want, ex." +ST 3.45 kg" change to"3.45", it must conduct "Advanced Settings".





16) Click object twice, enter the dialog as below. Select the item in a "Data List" and then click the "Advanced" button.

Modify Single-line Text	Object	×	
General	Content of This Object		
	Data Source		
Position	⊖ Single Fixed Data		
Content Tr Font	Source: Fixed: Add a Fixed Data Variable: Ttem1: "SampleText" ~ Add to List Create a Data Sourc] ~	Data List: Edit Selected Data  Item Value No Advanced Settings.  Edit Selected Data  Advanced Settings.	Click the item first and appear the button beneath the dialog.
		Modify Advanced OK Cancel	

- 17) This is "Advanced Option" dialog as below. We will add two truncation order, respectively "Discard texts from left:4" and "Discard texts from right:3".
  - Currently divided into three categories, "Truncation", "Arithmetic", and" Format". Every category has a number command functions. It will continue to increase command functions in the feature.
  - The list can freely add or delete items, and you can adjust the order of execution. The top one excusive first.

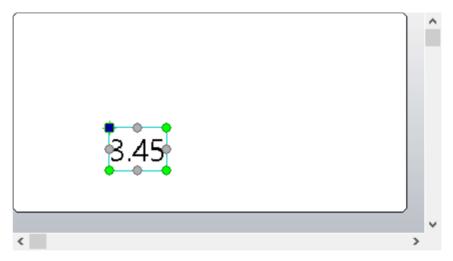
Current Using  Discard Texts from Left : 4 Discard Texts from Right : 3  Truncation  - Discard Texts from Right : 3  Truncation  - Discard Texts from Right - Fetch Substring from Right - Fetch Substring from Right - Remove Decimal Symbol - Keep Numbers Only - Trim Spaces from Right - Trim Spaces - Trim Spaces - Trim Spa	Advanced Settings	
Discard Texts from Left : 4 Discard Texts from Right : 3	Advanced Options	
Modify Selected	Discard Texts from Right : 3	Discard Texts from Left     Discard Texts from Right     Fetch Substring from Left     Fetch Substring from Right     Remove Decimal Symbol     Keep Numbers Only     Trim Spaces from Left     Trim Spaces from Right     Trim '0' from Left     Trim '0' from Left     Remove 'CR/F"     Delete a specified char     Get Specified Tield     Get Specified Tield     Get Specified Line     Arithmetic     Rounding     Replace Digital (Order: 0~9)     Numerical Computation (Fixed)     Numerical Computation (Fixed)     Numerical Computation (Variable)     Convert HEX to DEC     Format     Validation     To Upper Case     To Lower Case     To Lower Case     To Lower Case



18) Finish setting "Advanced Option" and then see the "Advance settings" list the item. It is easy to use with queries; it will be based on the contents of the source object transformation.

Modify Single-line Text	Object	×	
General	Content of This Object		
	Data Source		
Position Content Font	<ul> <li>Single Fixed Data          <ul> <li>♥ Variable Data</li> </ul> </li> <li>Source:         <ul> <li>Fixed:</li> <li>Add a Fixed Data</li> <li>♥ Variable:</li> <li>♥ Item 1: "SampleText" ♥</li> <li>▲ Add to List</li> </ul> </li> <li></li></ul>	Data List: Celected Data Item Value Non Item Sample Text	Click item and "Advance settings" will automatic replacement content
		Advanced Settings (Item1) : [01] Discard Texts from Left : 4 [02] Discard Texts from Right : 3 Modify Advanced	
		<u>O</u> K <u>C</u> ancel	

19) After finish setting "Advanced Option", the result consistent as we need, if not correct, you can use the advanced process adjusted to the desired requirements.





#### 20) Then we make "keyboard input" variable.

		screen previously.
Default Text 12345 ✓ Display whe Prompt Text Source@KB	input (Prompt Mexamum texts: 15)	
∑ Maximum number of ch	acters: 255	Prompt text displayed on the LCD screen.

21) Then we make the "serial number" variable.

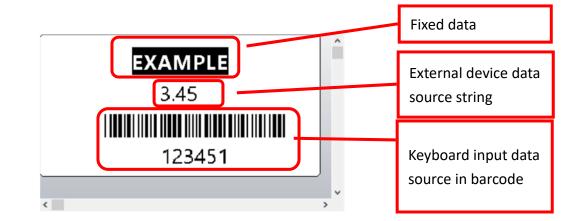
Data Setting	Name	asource			
	Content				
	Step Type	⊙ Increment O Decr			
	<u>Type</u> Sequence	Auto (Nume			
	Starting <u>V</u> alue	1		Unified Copies	•
	St <u>e</u> p		Max. Characters	29	1.
	Lables per Count <u>P</u> rompt Text	Source@Cnt	Max. Characters	23	Ŧ
	7	<ul> <li>✓ Update data after print</li> <li>✓ Allow to input</li> <li>─ Use default data</li> </ul>			
	Preview	1, 2, 3, 4, 5, 6, 7, 8, 9			
	Prompt tex	t		1	_
	displayed c	on the LCD		<u>OK</u> <u>Cancel</u>	



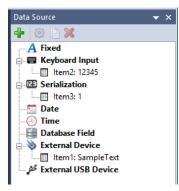
22) We make a "Barcode" object, the data source is "keyboard input" and" serial number". It is "barcode" setting as below.

Modify Single-line Text	Object		×
<b>S</b>	Content of This Object		It can combine
General			multiple variable
<b>&gt;</b>	Data Source		source into a string.
Position	○ Single Fixed Data		source into a string.
	Source:	Data List: 🤄 🗄 Edit Selected I	Data
Content	Fixed: 📄 Add a Fixed Data	Item Value	
Ţ	Variable: 🔃 Item3: "1" 🗸 🗸	Item2     12345     Izem3     1	
Font		Tients 1	
	媡 <u>A</u> dd to List		
	🕂 Create a Data Sourc 🔻		
		Advanced Settings (Item2) :	
		No Advanced Settings.	It can adjust the
			· ·
			item order.
		Modify Advanced	
		OK	Cancel

23) Follow the above procedure and finish the below example.



24) Finally, we produce the following sources of information  $\,\circ\,$ 





## 8.5 How to download the file to the printer

1) Click "Print" in the print function.



2) The dialog set forth various information needs to be set, and the way which is downloaded to the printer.

Program Print					×
Printer			Configuration	Supported Firm	nware Version : 1.0.67
<u>N</u> ame	ダ Vincode LP433 (複件 2)	, USB008 ~	File Name Variables Records For	nts Options Printe	r Settings
Status	eau y	Document Property	● Specified Name ○ For Au	to Run O Fr	om Database
Туре	Vincode LP433			_	
Location U	IZB008	This figur	o is roprosoptativo	ORM3820	
Resolution 3	00 dpi		e is representative		
Settings		of the co	nnection in green	imes New Roman	-
Quantity			Ford Coloris		-
Page C	opies	1	Font Script :		
Serial N	lumbers / Page Sets	1		<u>F</u> ont	
	Ask for Quantity when Printing				
			Image / Font Name Source :	WLPFORM3820	
ct here w	ill ask the				
to input	the number				
116 <u>v</u> 16w.		🖶 Т	est <u>P</u> rint 👱 Downlo <u>a</u> d	Close	🔀 <u>C</u> ancel
_		/			
Do	wnload directly	to the			
					Download
pri	nter to test print	ting			designated
					acongriated



- 3) File name: set the output file name.
  - There are three types of file name, first is specify the name, second is automatically perform the name after boot up, the last is if the objection have database, you can output files through the database, and as a file name basis.
  - Users can modify the font and language of the file name, such as Thai output in Chinese.

File Name	Variables	Records	Fonts	Options	Printer Setting	gs
<ul> <li>Specifi</li> </ul>	⊖ Fo	r Auto R	un	⊖ From Data	lbase	
	Progra	m Name :	WLPF	ORM3820		
	🗌 U se	Internal Fo	nt to List			
	Fo	nt Name :	Ti	mes New R	oman	
	Fo	nt Script :				
				<u>F</u> ont		
Image /	Font Name	Source :	WLPF	ORM3820		

4) Variables: List all the items have data source. It can adjust the input order.

ile Name	Variables	Records	Fonts	Options	Printer Settings
Set Varia	ables Input (	Orders			
					€ ا
Order	Data Sourc	e Name	Pr	ompt Text	
1231	Item3		S	ource@Cnt	
🖃 2	Item2		S	ource@KB	
📎 3	Item1		S	ource@Exd	



5) Records: printing information can be saved in the SD card, and the information can be used as Big Data Analysis. Check "Enable record" and select item which you want to be record in the left column "Available Records". The right column show the selected record.

File Name	Variables	Records	Font	5	Option	s Printer Settings	
Record S	ettings						
🖌 Enable	Record						
Avaliable I	Records :				:	Selected Records :	
Curren Ex : 1	t Label of S	et		•		Time from Printer Item3	<b>*</b>
Obje	cts						
<b>T</b> Sin 123	<b>gle-line Tex</b> 3451	t1			>		
Data	Source	es					
E Iter 1	m3				<		
lter 123	<b>m2</b> 345						
💸 Iter Sar	m <b>1</b> npleText			Ŧ			
		Separator	: ,			¥	

6) Fonts: The system will automatically generate all the font sources when the layout object is variable data. Because of the limited memory of printer, it cannot download every font at the same time. It can adjust the font range, select the font to reduce the space of memory, so that the file can be loaded and executed smoothly.

The list of font ranges as below:

Fi	le Name	Varia	bles	Records	Fo	nts	0	ptions Printer Settings
	Font List							
	Font Nar		Size	Width	в.	I.	U.	S. Tont Range
	Segoe U		-50	0	Ν	Ν	N	Full ASCII (0-255) V
								Full ASCII (0-255) ASCII (0-127) Numbers Only Numbers and Symbols Only Upper-Case Only Lower-Case Only English Only Numbers, Symbols and English



7) Options: Provide stand-alone execution period will demand function. After printing, no longer return to the file list, it returns to the beginning of this file to continue.

File Name	Variables	Records	Fonts	Options	Printer Settings		
Program	Settings						
Trogram	r Settings						
□[In	Infinite Mode (Return to the start of program after print)						

8) Printer Settings: Users can set the printer depend on practical needs. The setting will save in the file.

File Name	Variables	Records	Fonts	Options	Printer Settings	
Devi	ice Settings					
Pr	int Speed		3 ip:	2		
	int Darkness			efault)	-	
	int Mode			mal Transfe	er 🔻	
O	rientation		Forw		-	
Er	able Device		Print	er Setting	-	
Med	lia Settings					
м	edia Type		Labe	l with Gaps	-	



- 9) Click the "download" button, it will ask users where the file output to the printer.
  - RAM Disk: Typically used for testing. When the power off, the file will disappear.
  - Flash ROM: The file won't disappear when the power off. Typically used for small file and no need to use SD card.
  - SD Card: You can store large number of files but the SD card needs to be FAT32 format and build a folder" WPL\_Stuff" to save the files. It also can put in the printer, the printer will automatically create folders.

$\odot$ Send To Printer :	🌧 RAM (C:\) 🗸	
○ Save to File :	RAM (C:\)           Flash ROM (D:\)           SD Card (E:\)	Browse
File Name :	<u>OK</u> <u>C</u> ancel	

10) Click "Download" button and select" Save to File". It will output the file to the specified storage location.

○ Send To Printer :	Flash ROM (D:\)	
● Save to File :	C:\Users\WCW10_3\Desktop\2	Browse
File Name :	WLPFORM3820.bas	
	<u>O</u> K <u>C</u> ancel	



11) When the output or download is finished, it will be appeared the below dialog, to let the users know the output file destination information and queries.

Files were Sent or Saved without error.				
Successfully produced 1 Font File(s), 0 Image File(s).	Open Folder	OK	Cancel	

12) Searching SD card after processed by the printer. You can find a folder "WPL Stuff", this folder stores all the standalone files where all the stand-alone operation will be listed.

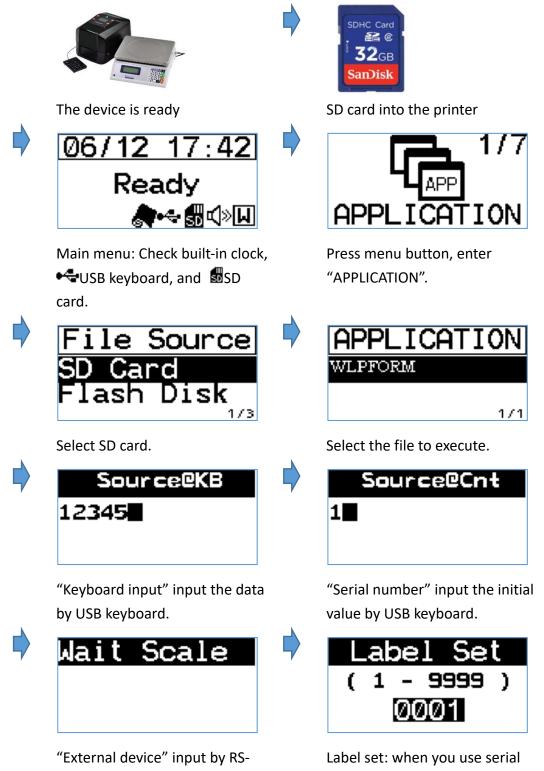
← → × ↑	SD → SI	DHC (E:)	
Organize 💌	New fold	ler	
> 🔚 Videos	^	Name	í.
> 🏪 Local Disk	: (C:)	W	PL_Stuff
> 👝 New Volu	me (D:		
> SDHC (E:)			

13) The file type of standalone operation

File extension	Application
*.bas	BASIC program file
*.fnt	Standalone font resource files
*.pcx	Standalone font graphics files



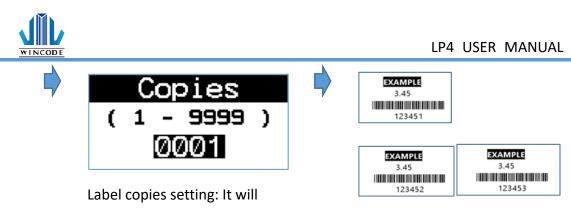
## 8.6 How to execute standalone file



232 device.

number, users will be required

to enter.



Label copies setting: It will display before the software download the file, select "prompt to enter quantity when print

Print results



## 8.7 Actual cases using standalone operation

1) Connect to keyboard: For baking industry, north-south goods... etc.



2) Connect to keyboard and RS-232 scanner: For library complement label, online job labeling... etc.



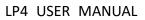
3) Connect numeric keyboard and electronic scale: For Agriculture, Fisheries and Livestock, Metal manufacturing...etc.





# 9.General Keypad correspondence

Keypad Map	Name	Function
	Window	Menu Enter
Esc	Escape	Menu Exit
Enter	Enter	Enter
	Arrow Down	Down
	Arrow Left	Up
	Arrow Right	Down
	Arrow Up	Up
CapsLock	Caps Lock	Capital switch
Delete	Delete	Delete
←	Back Space	Back Space
Num Lock	NumLock	Please review the numeric keypad correspondence





# **10. Numeric Keypad Correspondence**

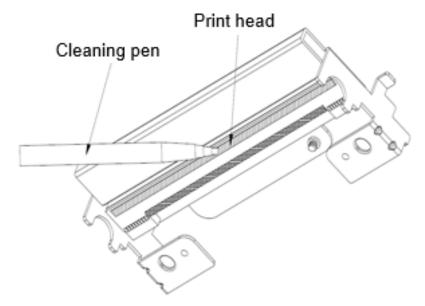
Numeric Keypad Map	Name	Name
1	/	/
*	*	*
	-	-
+	+	+
Enter	Enter	Enter
1 End	1 / End	1
2 ↓	2 / Arrow Down	2
3 Pg Dn	3 / PgDn	3
4 ←	4 / Arrow Left	4
5	5	5
6 →	6 / Arrow Right	6
7 Home	7 / Home	7
8 †	8 / Arrow Up	8
9 Pgup	9 / PgUp	9
0 Ins	0 / Ins	0
• Del	. / Del	
000	000	000
+	Back Space	Back Space



## 11. 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.



# 12. Appendix – LP4A series specification

Model	LP423A	LP433A			
Printing method	Thermal Transfer / Direct Thermal				
Resolution	203 DPI 300 DPI				
Max. print speed	127 mm (5") / second 102 mm (4") / second				
Max. print width	108 mm (4.25")	109.77 mm (4.32")			
Max. print length	4572mm (180")	2032mm (80")			
Enclosure	Double-v	walled plastic			
220mm(W)x198mm(H)x288mm(D)		8mm(H)x288mm(D)			
Physical dimension	8.7"(W)x7.8"(H)x11.3"(D)				
Weight	2	2.5 KG			
Label roll capacity	127 n	nm (5")OD			
Ribbon	5,	ax. OD 67 mm, 1" core			
		OD 38.25 mm, 0.5" core			
Ribbon width		10 mm (1" ~ 4.3")			
Processor		t RISC CPU			
Memory		AM, SD slot for expansion up to 32GB			
Power	External universal switching power supply, Input: AC 100-240V, 2.0A, 50-60Hz,				
On another interface	output: DC 24V, 2.5A, 60W				
Operation interface		L3" Resolution :128x64), 1 Buzzer			
Interface	USB 2.0, RS-232, USB Host, Parallel Bluetooth(option), WIFI IEEE 802.11 b/g/n (option), Ethernet 10/100 Mbps (option)				
	Transmissive gap sensor (adjustable), Reflective gap sensor, Ribbon end sensor, Head open sensor,				
Sensors	Paper near end sensor (option)				
Internal fonts	Seven kinds of bitmap fonts				
	1D bar code : Code 11, Code 39, Code 93, Code 128, Codabar, EAN/JAN-8, EAN/JAN-13, Interleaved 2-of-				
De conde	5, ITF-14, MSI Pleassy, PostCode, Telepen, UPC-A, UPC-E, UCC-128				
Bar code	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, TS	SPL, DPLauto switch)			
Dealer options	Cutter   Peeler Dispe	nser 🕆 External label stand			
	Standard :15 ~ 120 mm (0.59" ~ 4.72")				
Media width	With Cutter: 15~117mm (0.59" ~ 4.61")				
	External Label Stand: 1	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	RTC (battery is included)				
Safety regulation		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 Vista, 7, 8, 8.1, 10, 11 and Server 2003, 2008, 2012, 2012R2 (32/64 bit)				
And in This way and characterized and characterized and characterized without prior paties					

Made in Taiwan.

Features and specifications are subject to change without prior notice.

#### WINCODE TECHNOLOGY CO .,LTD

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