80mm Series Thermal Receipt Printer

Instruction Manual

Version Number June,2014

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Statement

While every precaution has been taken in the preparation of this manual,but we can not guarantee the contents of this manual entirely correct, because our products have been continuously improved and updated, so it can not be amended at any time the company reserves the right to promptly notify the user if necessary with the product-related Further information can be linked with the dealer.

Safety Precautions

This section presents important information intended to ensure

safe and effective use of this printer.

WARMING:

Scratch Warning: Never try to touch the auto cutter or jagged teeth.

Scald Warning: To avoid been burned, please do not touch the printer head.

Shock Warning:Please cut off the power before you Plug/Unplug the power cable from the printer.

Cautions:

1) Please apply the power adapter to a stable voltage (110-220V), please do not use other devices on the same power outlet to avoid voltage fluctuation.

2) Install the printer on a flat and stable surface to avoid printer suffered from any vibration and shocks.

3) If water or other liquid spills into the printer, unplug the power cord immediately and contact your dealer or service center for advice.

- 4) Disconnect the power cord if the printer is idle for a long time.
- 5) Please ensure the switch button is "off" before you plug the power cord.
- 6) The printer should only be disassembled or repaired by a technician.
- 7) Please strictly follow the recommended use tips of this manual.

1.Product Information

Our Newly 80mm Thermal printer possesses following features:

- High-quality printing, High-speed and strong stability;
- Interface (Serial / RJ45 Ethernet / USB /WiFi)
- Android device support if connect with USB /WiFi method;
- IOS device support if connect with RJ45 Ethernet / WiFi method;

1.1 Technical Parameters and Features

Printer Method	Line Thermal
Print Speed	300mm / sec
Fonts	simplified Chinese 24x24 point. support 18030 font
	library,support Taiwan and HK traditional(complex
	font), Korean and Japanese
Character Size	576dot/line or 512dot/line ANK Character
	Font A:12*24dot,1.5(W)*3.0(H)mm
	Font B:9*17dot,1.1(W)*2.1(H)mm
	Simplified/Traditional:24*24dot,3.0(W)*3.0(H)mm
Extended	OEM437/Katakana/OEM850/OEM860/OEM863/OEM865
Character Table	WestEurope/Greek/Hebrew/EastEurope/Iran/WPC1252/OE
	M866/OEM852/OEM858/IranII/Latvian/ Arabic/PT151,1251/
	OEM747/WPC1257/Vietnam/OEM864/Hebrew/WPC1255/Th
	ai
Logo / Trademark	Download and printing support
Interface	Serial / USB / Ethernet / WiFi
Print Command	ESC/POS Command
Roll Width	79.5±0.5mm(Print Width72mm)
Roll Diameter	80mm
Paper Thickness	0.06-0.08mm
Power Supply	DC24V/2.5A
Auto Cutter	Full / Partial Cut
Temperature	0-45℃
Contrast Humidity	10-80%
Driver	Win2000/Win2003/Win XP/Win Vista/Win7 /win8/Linux

1.2 Application:

It can be used for all kinds of commercial in retail POS systems, Restaurant system, Industrial control systems in areas such as.

- Image: Bight weight and portable
- Beautiful shape
- bow cost and High-quality thermal printing
- ☑ €ash drawer drive supported
- 2 Easy paper-roll installation, Easy maintenance and Rational structure
- Development waste, low-run cost (without the ribbons, ink cartridges)
- Built-in data buffers (be capable of receiving print data while printing)
- ☑ €haracters can be amplified, printed in bold optionally, and line spacing printing can be adjusted;
- Support different density bitmap graphics printing
- Support NV image downloading and printing
- Support raster bitmap printing
- ☑ ▶igh-speed printing using embedded soft font for all interfaces.
- Compatible with ESC/POS print instruction set, optional columns and font (adjusted by DIP switch);

Advantage Characteristics

Audible and visual alarm supported, best application for kitchen menu printing;

2.Communication Ports

2.1 Universal Serial Bus (USB Port)

Connect the printer with the standard usb cable(usb device types are automatically), once printer is connected with the PC, install the driver , then choose the corresponding port accordingly.

2.2 RJ45 Ethernet Port

With this port, we can use the network cable and connect the computer directly, or

connect PC computer and other terminals via a router;

2.3 RS232 Serial Port

RS-232 is developed according to the EIA standard asynchronous transmission, the specification as following:

- Data transmission: serial interface
- Synchronization: asynchronous
- Signal Level: +5.4V Serial RS232 Level, logic 1:-5.4v, logic 0: +5.4V
- Pardware Flow Control: Hardware
- Baud Rate:9600bps to 115200bps(Optional)
- Data Length: 8 Bits
- Ist Stop Bit: 1Bit
- Parity: None

The wiring method of the serial interface printer following the standard rules of Serial Interface EIA standard. Consumer can get the current default baud rate from "Print Test Page "and also can adjust the baud rate via DIP switch (DIP switch is on the bottom of the printer)

2.4 WiFi Port

Standard Certification FCC/CE Support TCP/IP/UDP network protocol stack Support 802.11b/g/n wireless standard Support UART/GPTO Ethernet communication interface Support wireless work under STA/AP/AP+STA Mode Transmission mode:Transparent Transmission & Protocol Transmission mode Frequency Range: 2.412GHZ-2.484GHZ Effective Distance: 100M/Outdoor; 50M/Indoor

3.Basic Function Operation

3.1 Indicator Light & Printer Status

The printer has 3 Led Indicators(Power / Error and Paper Out),Power indicator will lights on once power is plugged in. And Error Led will lights on when any error arose (Paper Out / Temperature is too high / mal-position of the carriage unit on the print head); We can press the "FEED" button to test the paper feeding function if the power indicator looks well.

3.2 Printer Operation

• Switch on: Ensure the adapter properly connected with the printer, press the switch on the "1" position, printer turns on.

• Switch off: Press the switch on the other side "O".

• **Paper Feeding:** Press "FEED" button when powers on, paper will keep running & stop to run when loosen this button.

• Self Printing Test : Switch off the printer then press "FEED" button and do not release. Press the "POWER" button at the same time till the "ERROR" indicator on, release the button about 1 second after the "ERROR" indicator off. Then we can read the current setting from the test page.

• Hexadecimal printing: Power off the printer, press "FEED" button & do not release, press "POWER" button at the same time until the "ERROR" indicator on, release the "FEED" button about 3 seconds after the "ERROR" indicator off; The way to quit Hexadecimal printing model is just press "FEED" button by three times.

• Aging model printing: power off the printer, press "FEED" and hold it until the "Error" indicators turn on and off; repeat this operating if we wish to exit the aging mode.

DIP Switches and Instruction

ltem	Function	ON	OFF	
1	Cutter	YES	NO	
2	Buzzer	YES	NO	
3	Print Density	YES	NO	
4	CN/EN Convert	СН	EN	
5	Empty			
6	Baud Rate Set	YES	NO	
7	Baud Rate			
8 Baud Rate				
Baud Rate Selection Instruction				
No.6	No.7	No.8	Baud Rate	
ON	ON	ON	115200	
ON	ON	OFF	38400	
ON	OFF	ON	19200	
ON	OFF	OFF	9600	

4.Cleaning Of the Printer

We need to clean the print head if problems as below.

- ① Printing is not clear, but thermal paper is ok;
- ② Some columns on the printed pages are not clear
- ③ Noisy paper feeding

Cleaning steps

- 1. Turn off the power, open the printer cover and take off the paper roll.
- 2. We have to wait for a while if we just finished the printing.
- Use a soft brush or wrung-out ethanol immerged cotton to clean the print head. Remember to turn on the gear while lubricating to ensure a completely lubricated;
- 4. Close the cover once cleaning done and try it later.

Cautions:

- Make sure the power of the printer is turned of during the maintenance.
- Hands or other metal tools away from the surface of the printer head, do not use tweezers to scratch the surface of the printer head and other sensitive parts.
- Do not use gasoline, acetone and other organic solvents for printer head cleaning.

5.Installation Wizard

5.1 Hardware Connection

Ensure all the cables connected correctly(e.g. Adapter / Interface Cables / RJ-11 cable) . Open the cover and load the paper rolls and cartridge (Paper Loading Direction as below)



Jpg-1

5.2 Driver Installation

1: Insert the driver CD and find the corresponding driver file and install it. Choose you

desired languages as below;

Select S	Setup Language 🛛 🗙
12	Select the language to use during the installation:
	English
	OK Cancel

2: Click OK once language selected and now we come to below jpg , then click Next.



3 :Read the Software License Agreement information carefully and click Next

📴 Setup - POS80 Series Printer Driver	
License Agreement Please read the following important information before continuing.	
Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.	
SOFTWARE LICENSE AGREEMENT IMPORTANT - PLEASE READ CAREFULLY! The POS80 Series Printer Driver software you are about to download will be licensed to you, the licensee, on the condition that you agree with the terms and conditions set forth in this legal agreement. PLEASE READ THIS AGREEMENT CAREFULLY. YOU WILL BE BOUND BY THE TERMS OF THIS AGREEMENT IF YOU INSTALL, DOWNLOAD, COPY, OR OTHERWISE USE THE SOFTWARE. If you do not agree to the terms contained in this agreement, please do not install or download the software. Please record the date of download in order to activate the limited ninety (90) day warranty (see below).	
 I accept the agreement I do not accept the agreement 	
< Back Next >	Cancel

4 :Click Next and we come to below step, please neglect the Warning from your anti-virus software during the installation .

🔂 Setup - POS80 Series Printer Driver	
Ready to Install Setup is now ready to begin installing POS80 Series Printer Driver on your computer.	
Click Install to continue with the installation.	
< Back Install	Cancel

5: Select your desired operating system and click "NEXT"

թ	Setup - POS80 Series Printer Driver	
	[k_]	
	Belect Operating System	<u>×</u> ≯
	- Select Operating System	1
	Windows 2000 C Windows XP C Windows 2003	
	C Windows Vista C Windows 7 C Windows 8	
	Back Next Cancel	
		Cancel

6: Select the corresponding printer type and go next

Sett	tings							Þ
	Printer Ty	pe: POS80		•				
	Printer settin	gs						1
	🔽 Seta	s default printer						
	Printer Na	ame: POS80		_				
	Printer Port 9	Settings						1
	Ports	LPT1 -						
	Baud Rate	19200 💌	Stop Bits	1	Ŧ	Flow Control	Hardware 💌	
	Byte Size	8 💌	Parity	None	v			
				Back		ОК	Cancel	

7: Installation Done



5.2.1 Ethernet Connection (If your desired port is Ethernet)

1: Get the IP address from a Self Printing Test Paper

Switch off the printer then press "FEED" button and do not release. Press the "POWER" button at the same time till the "ERROR" indicators on, release the button about 1 second after the "ERROR" indicators off. Then we can read the current setting from the self printing page. (Default IP Address is: 192.168.1.100)

Open " Properties" then click " Ports "



2: Select "Add Port" we can see below jpg

🌤 Printers and Faxes	- 🗆 🗙	(Constant)
Pile Edt View Pavorites Tools Help	127	
G took - O - 🔊 🔎 Search 🕞 Folders	Posed Preparties	T A
Address 🖓 Printers and Faxes	Printer Parts	? ×
Printer Tasks Add S. P.O.S. CP/IP Printe	er Port Wizard	×
 Add a printer Set up faxing 	Welcome to the Add Standard TCP/IP Printer Port Wizard	
See Also	You use this wizard to add a port for a network printer.	
Troubleshoot pr Get help with pr	Before continuing be sure that: 1. The device is turned on. 2. The network is connected and configured.	ncel
Other Places		-
Control Panel		ure Port
thy ors	To continue, click Next.	
	Cancel	Apply

3: Click "Next "

Add Standard TCP/IP Printer Port Wizard					
Add Port For which device do you want to add a port?					
Enter the Printer Name or IP ad	dress, and a port name for the desired device.				
Printer Name or IP Address:	192.168.1.100				
Port Name: IP_192.168.1.100					
	< Back Next >	Cancel			

4: Next and choose "Generic Network Card "then click Next

* Printers and Fax	**		- D X
The Edt. Vers. Free	orites Tools Help D Search P Folders	POS80 Properties	@# ? ×
Address 🖓 Printers an	dPares	Printer Ports	? x
Printer Tasks	Add Standard TCP/IP Printe	er Port Wizard	×
Add a printer	Additional Port Information The device could not be id	n Required tertiled	÷
See Also	The device is not found on the 1. The device is turned on. 2. The network is connected. 3. The device is properly confi 4. The address on the previou	rvetwork. Be sure that: igured. ii page is connect.	noel
Other Places	If you think the address is not o the address and perform anothe select the device type below. Device Tupe	orrect, click Back to return to the previous page. 1 or search on the network. If you are sure the addre	then correct.
3	Standard Generic Net	work Card	~
194y 2005	O Custom Settings		
-		< Back Next	Cancel

5: Next

Completin Printer Po	Completing the Add Standard TCP/IP Printer Port Wizard		
You have selecte	You have selected a port with the following characteristics.		
SNMP:	No		
Protocol:	RAW, Port 9100		
Device:	192.168.1.181		
Port Name:	IP_192.168.1.181		
Adapter Type:	Generic Network Card		
To complete this	wizard, click Finish.		

6: Click Finished and we can check the added ports as below jpg



7: Let's back to "General" and click "Print Test Page "

🌤 Printers and Faxes		- 🗆 ×
He Edt New Favories India Help	POS80 Properties	2v
Address Printers and Faxes Printer Tasks Add a printer Add a printer See Also See Also Add a printer Add	General Sharing Parts Advance POS80 Location: Comment Modet POS80	ed Device Settings
	Features Color: No Double-sided: No Staple: No Speed: Unknown Maximum resolution: 203 dpi	Paper available: Printer 80(72.1) x 297 mm
a My a es	Printing P	References

If the print test page works well, that mean all setting is ok.

We can also change the setting by clicking " Device Settings " (print method

setting ,cash drawer setting, paper cutter setting etc) - Below jpg for reference ;



5.2.2 USB Port Connection (If your desired port is USB)

1: Open " Properties " then choose " Ports "

🖶 POS80 Prope	rties					x
General Sharin	g Ports Adva	nced Cold	or Management	Security	Device Setting	js
e e e e e e e e e e e e e e e e e e e	DS80					_
Print to the fo checked port	ollowing port(s).	Document	ts will print to t	he first fre	e	
Port	Description		Printer			
COM1:	Serial Port					
COM2:	Serial Port					
COM4:	Serial Port				-	
FILE:	Print to File				=	
USB001	Virtual printer p	port for	Printlogic-I			
ZPSPort:	Local Port		Microsoft XPS	6 Docume	nt Writer 🛛 👻	
Add P	ort	Delete	Port	Config	gure Port	
Enable bid	irectional suppo	rt				
📃 Enable pri	nter pooling					
			ОК	Cancel	Apply	5

We can see many usb ports if there is other usb printer used in this PC. Select the unoccupied usb port and click "Apply"

Remarks: Ensure the printer is power on & cable connects to the computer for the 1^{st} time use. Or we can not find "USB001"; check if we can find "USB Print supporting "in below location :

Path: My Computer - Properties - Management - Devices Manager - Universal Serial Bus Controller), if not , please recheck the cable and printer connecting way.

2: Click "General "and let back to this step then "Print Test Page "

not posso Properties				— X
General Sharing Po	rts Advanced Cold	or Management	Security I	Device Settings
	580			
Location:				
Comment:				
Model: POS	80 10.0.0.7			
- Features		Dava an an aila bh		
Color: No		Paper available		
Staple: No	5	ZPrinter Pape	er(80 x 3276	mm) 🔺
Speed: Unknown	1			
Maximum resolu	ition: 203 dpi			-
	Prefere	nces	Print T	est Page

If the print test page works well, that mean all setting is ok.

Remarks: If " Printer Error ", we should back to " Ports" and try the USB ports one by one until it is ok.

5.2.3 Serial Port Connecting (If your desired port is Serial)

1: Following " Printer - Properties - Ports " as below

General Sha	ing Ports	Advanced	Color Management	Security	Device Settings
a	POS80				20 Jaco
Print to the checked po Port	following p rt. Descript	ort(s). Docu	ments will print to t Printer	he first fr	ee 🔺
E LPT1:	Printer P	ort	PO\$80		
LPT2:	Printer P	ort			
LPT3:	Printer P	ort			E
COM1:	Serial Po	rt			
COM2:	Serial Po	rt			
Сомз:	Serial Po	rt			
COM4:	Serial Po	rt			-
Add	Port	D	elete Port	Confi	gure Port
Enable b	idirectional rinter poolir	support 1 9			

2: Select "COM1" - "Configure Port" - default setting as below jpg

👹 P(OS80(copy of 1) Properties ?	×
Ger	neral Sharing Ports Advanced Device Settings	_
	COM1 Properties	
F	Port Settings	-
c		
	Bits per second: 9600	
	Data bits: 8	
	Parity: None	
	Stop bits: 1	ן ווו
	Flow control: Hardware	
	Xon / Xoff Hardware	
	Restore Defaults	_
	OK Cancel Apply	

We should refer to the default baud rate from the self test page and input the same baud rate above or there will be error in the printing. Once setting parameters confirm, click " Apply " we come to below jpg;

General	Sharing	Ports	Advanced	Color Management	Security	Device Settings
-	POS	80				
55 <u></u>		1850			n attriate	
Print to checked	the follo port.	owing p	ort(s). Docu	ments will print to t	he first fr	ee
Port	[Descript	ion	Printer		*
	F1: F	Printer P	ort	POS80		
	F2: F	Printer P	ort			-
E LPT	T3: F	Printer P	ort			=
CO 🔽	M1: 9	Serial Po	rt		L	
CO	M2: S	Serial Po	rt			
CO 🗐	M3: 9	Serial Po	rt			
СО	M4: 5	Serial Po	rt			-
	Add Por	t	D	elete Port	Confi	gure Port
Enab	le bidire	ectional	support			
Enab	le printe	er poolir	ig			

Click " Apply "

3: Back to "General" and try "Print Test Page"

POS80 Proper	ties	— X
General Sharing	Ports Advanced Color Managemen	t Security Device Settings
	POS80	
Location:		
Comment:		
Model: Features	POS80 10.0.0.7	
Color: No	Paper availa	ble:
Double-side	ed: No ZPrinter Pa	per(80 x 3276mm) 🔺
Speed: Upk	nown	
Maximum	esolution: 203 dpi	Ŧ
	Preferences	Print Test Page

If the print test page works well, that mean all setting is ok.

Try below setting if we the printing speed is too slow:

- Cl ick " Device Settings " ---- "Print Mode" ---- select " Print as soft font "



5.2.4 WiFi Connecting (If you selected our WiFi Printer)

Two ways for reference:

1: WiFi connection setting (Wireless network required)

2: Connect the printer and pc with RJ45 ports;

Remark:

Module Default setting for ethernet is disable, we can use AT command tool to Enable it; 1) AT+FEPHY=on,(Enable and Saved - enable automatically when restart next time). Or 2) AT+EPHY (Enable but not saved)

We can also use AT tool to enable AP+STA function ; Command is "AT+FAPSTA=on" then restart, next time the AP mode will works at the same time when we choose to use STA mode.

We can find the AT Command Tool in the CD driver

> If Wifi connection method , we should refer to following steps (step 1 to step 9)

> RJ45 connection method, we have to follow from step 3 to step 9;

1. Plug and switch on the printer;

2. Find the wireless network and link it. Then find the file named "HF-A11" and link it – Next ;

3. Put the IP address (10.10.100.254) into the browser address bar, press enter we can see below window;

Connect to 10.10).100.254 🛛 🛛 🔀
HF-A11	
User name:	🖸 admin 💽
Password:	••••
	Remember my password
	OK Cancel

Choose admin for the user name and default password is also admin. Press ok and then Next.

	中文 English
Mode Selection	Working Mode Configuration You may configure the Uart-WIFI module wifi mode and data transfor mode.
 STA Interface Setting Application Setting Device Management 	O AP Mode:
	Data Transfor Mode Transparent Mode

> Select " Station Mode ", Choose transparent mode. Refer to above jpg.

4. Select "STA interface Setting " as below;

		中文	English
Mode Selection	STA Interface Settin	g	
AP Interface Setting	You could configure STA interface	parameters here.	
Application Setting	STA Interface Parameters		
Device Management	AP's SSID	HF-Allx_AP Search	
	MAC Address (Optional)]
	Security Mode	OPEN 💌	
	Encryption Type	NONE 😪	
	App	oly Cancel	
	WAN Connection Type	DHCP(Auto config)	~
	DHCP Mode		
	Hostname(Optional)		
	App	ly Cancel	

Then click "Search" and we can see and choose the wireless devices

AP Interface Setting Application Setting Application Setting Device Management STA Interface Parameters AP's SSID HF-A11x_AP Search MAC Address (Optional) Security Mode OPEN Encryption Type NONE Encryption Type NONE Step Server - Vindows Internet Explorer Step Server - V	Mode Select	ion		STA	Inter	face Se	etting			
STA Interface Setting Application Setting Device Management AP's SSID HF-Allx_AP Search MAC Address (Optional) Security Mode OPEN Encryption Type NONE Encryption Type NONE Ste Survey Ste Survey BSSID RSSI Channel Encryption Authentication NetWork Type PF- UNK 07E514 e0.05:c5:97.e3:14 34% 1 NONE OPEN Infrastructure	AP Interface	e Setting	Yo	ou coul	d configu	re STA inte	rface param	neters here.		
Application Setting Device Management AP's SSID HF-Allx_AP Security Mode Encryption Type NONE 2 121 Veb Server - Vindows Internet Explorer C C C L Veb Server - Vindows Internet Explorer C C C L Veb Server - Vindows Internet Explorer C C C C L Veb Server - Vindows Internet Explorer C C C C L Veb Server - Vindows Internet Explorer C C C C L Veb Server - Vindows Internet Explorer C C C C C L Veb Server - Vindows Internet Explorer C C C C C L Veb Server - Vindows Internet Explorer C C C C C L Veb Server - Vindows Internet Explorer C C C C C C C C C C C C C C C C C C C	STA Interfa	<u>ce Setting</u>	: <u> </u>							
Device Management AP's SSID HF-A11x_AP Search MAC Address (Optional) Security Mode OPEN Image: Content of the security for the secure	Application	Setting	ST	A Interi	face Para	meters				
MAC Address (Optional) Security Mode Encryption Type NONE ▼ 2121 Veb Server - Vindows Internet Explorer ② ③ ○ ② http://10.10.100.254/site ♥ ② ④ ★ ② ③ ○ ② http://10.10.100.254/site ♥ ② ④ ★ ③ ③ ○ ③ ↑ ★ ③ ⑤ ○ ◎ ↑ ★ ◎ ○ ◎ ↑ ★ ◎ ○ ◎ ↑ ★ ◎ ○ ◎ ↑ ★ ◎ ○ ◎ ↑ ★ ◎ ○ ◎ ↑ ★ ◎ ○ ◎ ↑ ★ ◎ ○ ◎ ↑ ★ ◎ ○ ◎ ↑ ★ ◎ ○ ○ ○ ○ ↑ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	Device Mana	agement	AP	's SSII	D		HF-	A11x_AP	Search)
Security Mode OPEN Encryption Type NONE 2121 Veb Server - Vindows Internet Explorer			M	AC Ad	dress (O	ptional)				
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SID BSID RSSI Channel Encryption Authentication Type UNIX 97E314 e0:05:c5:97:e3:14 34% 1 NONE OPEN Infrastructure										
Site Survey SSID BSSID RSSI Channel Encryption Authentication NetWedt Type UNIX 97E314 e0:05:c5:97:e3:14 34% 1 NONE OPEN Infrastructure Infrastructure Site Survey SSID RSSI Channel Encryption Authentication NetWedt Type SSID SSID RSSI Channel Encryption Authentication NetWedt Type SSID SSID RSSI Channel Encryption Authentication NetWedt SSID SSID RSSI Channel Encryption Authentication NetWedt SSID SSID RSSI Channel Encryption Authentication NetWedt SSID SSID RSSI Channel Encryption Authentication SSID SSID RSSI Channel Encryption Authentication SSID			En	crypt	ion Type	9	NON	Е 🐱		
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LINK_57E314	C I2I Veb	Server -	En - Vindovs In /10.10.100.254/: SSID	crypt terne site V RSSI	ion Type et Expl	orer Encryption	NON 百度一下,你 Authenticatio	E V 就知道 n NetWook Type		
HG231f- 2C23E0 04:c0:6f:2c:23:e8 24% 1 NONE OPEN Infrastructure	Site Survey Site Survey SSID TP- LINK_9	Server - http:// BS 7E314 ^{e0}	En - Vindovs In /10.10.100.254/: SSID 0:05:c5:97:e3:14	crypt terne site ♥ RSSI 34%	ion Type et Expl	orer Encryption NONE	DOEN NOT	E ▼ 就先应道 In NetWork Type Infrastructure		
HY-02 8c:21:0a:1c:19:34 0% 4 AES WPA2PSK Infrastructure	SID Site Survey SSID P LINK_9 O HG231 2C23E1	Server http:// BS 7E314 e0 f- 0 04	En - Vindovs In /10.10.100.254/s SSID 0:05:c5:97:e3:14 4:c0:6f:2c:23:e8	crypt terne site RSSI 34% 24%	ion Type t Expl Channel 1 1	encryption NONE	NOK 百度一下,你 Authenticatio OPEN OPEN	E V 就來D道 NetWeck: Type Infrastructure		
0 12 20:dc:e6:7a:8e:aa 65% 6 NONE OPEN Infrastructure	Site Survey Sile 9 10	Server - E http:// BS 7E314 e0 7E314 e0 8c	En - Vindovs In /10.10.100.254/: SSID 0:05:c5:97:e3:14 4:c0:6f:2c:23:e8 c:21:0a:1c:19:34	crypt terms site RSSI 34% 24% 0%	ion Type t Expl	CLEX CENCYPTION NONE NONE AES	NON 百度一下,你 Authenticatio OPEN WPA2PSK	E V 就知道 Network Type Infrastructure Infrastructure		
		Server - http:// BS 7E314 e0	En Vindovs In /10.10.100.254/: SSID 0:05:c5:97:e3:14 4:c0:6f:2c:23:e8 c:21:0a:1c:19:34 0:dc:e6:7a:8e:aa	crypt terne site ♥ RSSI 34% 24% 0% 65%	ion Type et Expl References Channel 1 1 4 6	Encryption NONE AES NONE	NOR 写度一下,你 Authenticatio OPEN WPA2PSK OPEN	E V 就知道 NetWock Type Infrastructure Infrastructure Infrastructure		

> Here is the wireless devices available for use.

5. Choose the desired device as below

🥌 🛯 🛛	I Veb Server	- Vindovs In	tern	et Expl	orer				×
90	🔊 🗢 🙋 http	://10.10.100.254/s	site 💌	8 4	X 🔛	百度一下,你就	知道	P	-
0:4-	0								1
Site	SSID	BSSID	RSSI	Channel	Encryption	Authentication	Network Type		
۲	TP- LINK_97E314	e0:05:c5:97:e3:14	84%	1	NONE	OPEN	Infrastructure		
\bigcirc	HG231f- 2C23E0	04:c0:6f:2c:23:e8	29%	1	NONE	OPEN	Infrastructure		
\bigcirc	HY-02	8c:21:0a:1c:19:34	0%	4	AES	WPA2PSK	Infrastructure		
\bigcirc	ChinaNet-eTjM	00:1e:40:f4:cf:af	29%	6	TKIP	WPAPSK	Infrastructure		
\bigcirc	12	20:dc:e6:7a:8e:aa	65%	6	NONE	OPEN	Infrastructure		
\bigcirc	Mr.Wang	02:22:3f:b4:ae:f9	0%	6	AES	WPA2PSK	Infrastructure		
$\overline{\langle}$	Apply	Refresh							

> Click " Apply"

6. Enter the correct configuration in the dialogue as below jpg shows.

Mode Selection	STA Interface Setting	g
AP Interface Setting	You could configure STA interface	narameters here
➡ STA Interface Setting	Tou could conligure STA interface	parameters nere.
Application Sotting		
Application Setting	STA Interface Parameters	TD I INV 07E214 Search
Device Management	Ar's SSID	II-LINA_91E314 Search
	Security Mode	WPA2PSK V
	Encryption Type	
	Pass Phrase	XXXXXXXX
	Apr	Cancel
	WAN Connection Type	DHCP (Auto config) 🔽
	DHCP Mode	
	Hostname(Optional)	
	_	中文 English
Mode Selection	STA Interface Settin	lg
AP Interface Setting	You could configure STA interface	parameters here.
STA Interface Setting		F
~		
Application Setting	STA Interface Parameters	
Application Setting Device Management	STA Interface Parameters AP's SSID	TP-LINK_97E314 Search
Application Setting Device Management	STA Interface Parameters AP's SSID MAC Address (Optional)	TP-LINK_97E314 Search
Application Setting Device Management	STA Interface Parameters AP's SSID MAC Address (Optional) Security Mode	TP-LINK_97E314 Search
Application Setting Device Management	STA Interface Parameters AP's SSID MAC Address (Optional) Security Mode Encryption Type	TP-LINK_97E314 Search
Application Setting Device Management	STA Interface Parameters AP's SSID MAC Address (Optional) Security Mode Encryption Type Pass Phrase	TP-LINK_97E314 Search
 Application Setting Device Management 	STA Interface Parameters AP's SSID MAC Address (Optional) Security Mode Encryption Type Pass Phrase	TP-LINK_97E314 Search
Application Setting Device Management	STA Interface Parameters AP's SSID MAC Address (Optional) Security Mode Encryption Type Pass Phrase Ap WAN Connection Type	TP-LINK_97E314 Search WPA2PSK TKIP xxxxxxxx ply Cancel e: STATIC (fixed IP)
 Application Setting Device Management 	STA Interface Parameters AP's SSID MAC Address (Optional) Security Mode Encryption Type Pass Phrase WAN Connection Type Static Mode	TP-LINK_97E314 Search WPA2PSK V TKIP V KXXXXXXX ply Cancel e: STATIC(fixed IP) V STATIC(fixed IP) V DHCP(Auto config)
 Application Setting Device Management 	STA Interface Parameters AP's SSID MAC Address (Optional) Security Mode Encryption Type Pass Phrase WAN Connection Type Static Mode IP Address	TP-LINK_97E314 Search WPA2PSK TKIP xxxxxxxx ply Cancel e: STATIC(fixed IP) DHCP(Auto config) 0.0.0
Application Setting Device Management	STA Interface Parameters AP's SSID MAC Address (Optional) Security Mode Encryption Type Pass Phrase WAN Connection Type Static Mode IP Address Subnet Mask	TP-LINK_97E314 Search WPA2PSK TKIP xxxxxxxx ply Cancel e: STATIC(fixed IP) DHCP(Auto config) 0.0.0.0
Application Setting Device Management	STA Interface Parameters AP's SSID MAC Address (Optional) Security Mode Encryption Type Pass Phrase WAN Connection Type Static Mode IP Address Subnet Mask Default Gateway	TP-LINK_97E314 Search WPA2PSK ▼ INIP ▼ XXXXXXX INIP ▼ xXXXXXXX INIP ▼ xXXXXXXX INIP ▼ xXXXXXX INIP ▼ xXXXXXXX INIP ▼ xXXXXXXXX INIP ▼ xXXXXXXXX INIP ▼ xXXXXXXX INIP ▼ xXXXXXXXX INIP ▼ xXXXXXXXX INIP ▼ xXXXXXXXXXXXXXXX INIP ▼ xXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

-		中文 English	
Mode Selection	STA Interface Settin	g	
<u>AP Interface Setting</u> STA Interface Setting	You could configure STA interface	parameters here.	
Application Setting	STA Interface Parameters		
Device Management	AP's SSID	TP-LINK_97E314 Search	
	MAC Address (Optional)		
	Security Mode	WPA2PSK 🗸	
	Encryption Type	TKIP 🐱	
	Pass Phrase	XXXXXXX	
	Ap	ply Cancel	
WAN Connection Type: STATIC (fixed IP)			
	Static Mode		
	IP Address	192. 168. 1. 105	
	Subnet Mask	255. 255. 255. 0	
	Default Gateway	192. 168. 1. 1	
	App	ly Cancel	

- > Click " Apply " after all these configuration steps ;
- 7. Select "Serial and other settings " as below;

fanagement	Uart Setting	
ranagement	Baudrate	115200
	Data Bits	8 🗸
	Parity	None 💌
	Stop	1 🗸
	CTSRTS	Disable 🖌
	UART AutoFrame Setting	
		D: 11
	UART AutoFrame	Disable 🗸
	UART AutoFrame	Disable V Cancel
	UART AutoFrame	Disable 🗸
	UART AutoFrame	Disable 🗸
	VART AutoFrame	Disable v apply Cancel
	UART AutoFrame	Disable v Apply Cancel
	VART AutoFrame A Network Setting Mode Protocol Port	Disable v Apply Cancel Server v TCP v 9100
	UART AutoFrame	Disable Apply Cancel Server 1CP 9100 10. 10. 10. 100
	VART AutoFrame	Disable apply Cancel Server TCP 9100 10. 10. 10. 100 32

> Click "Apply" after all setting done.

8. Restart the module as below;

		中文 English	
➡ Mode Selection	Device Management		
AP Interface Setting	4.01.5		
STA Interface Setting	You may configure administrates account and password load def	ult sotting or undate	
	You may configure administrator account and password, load default setting or update firware.		
Application Setting			
Device Management	Administrator Settings		
	Account		
	Password admin		
	Apply Cancel		
	Restart Module		
	Kestart Module		
	Load Pactory Defaults		
	Load Default Button		
	Update Firmware		
	Location:	揽	
	Apply		
M M			
A M2M Web Server			
M2M Web Server			
M2M Web Server Rebooting			
M2M Web Server Rebooting			
M2M Web Server Rebooting			
M2M Web Server			
Rebooting			
Rebooting			
M2M Web Server			
Rebooting	le configuration done		

9. Computer "Start" — * " Run" Input word "CMD", we have below dialog:



> Input "ping 192.168.1.105 -t" as below



> Press "Enter"

If details shows as below , means connection is Ok ;

🖎 C:\VINDOWS\system32\cmd.exe - ping 192.168.1.105 -t	×
Microsoft Windows XP [版本 5.1.2600] <c> 版权所有 1985-2001 Microsoft Corp.</c>	-
C: Documents and Settings Administrator>ping 192.168.1.105 -t	
Pinging 192.168.1.105 with 32 bytes of data:	
Reply from 192.168.1.105: bytes=32 time=61ms TTL=255	
Reply from 192.168.1.105: bytes=32 time=1ms TTL=255	
Reply from 192.168.1.105: bytes=32 time=3ms TTL=255	
Reply from 192.168.1.105: bytes=32 time=2ms TTL=255	
Reply from 192.168.1.105: bytes=32 time=86ms TTL=255	
Reply from 192.168.1.105: bytes=32 time=1ms TTL=255	
Reply from 192.168.1.105: bytes=32 time=2ms TTL=255	
Reply from 192.168.1.105: bytes=32 time=1ms TTL=255	
	•

6.General Troubleshooting

1: Why serial port printer printing messy code?

A: Ensure the baud rate setting in the PC is same as the printer baud rate. (we can see printer baud rate from self test page)

2: Self printing test is ok, but printer does not work after driver installation.A: Recheck the installation according to above installation wizard and see if we selected the right port or ask service center for advice if needed.

3: Cash drawer does not open?

A: Please enable the cash drawer function from device settings and check the cable connecting way or contact service center for advice if needed.

4: Malfunction of paper feeding?

A: Use soft brush to clean the paper sensor and try again or send it to the service center for repair.

5: Messy code printing after a period of timeA: Interface board damaged , please replace or repair it.

6: Malfunction of the indicator lightA: Check the cable connecting way / adapter / power cord / switch on or off?Or contact the service center for repair.

7: Ethernet printer does not printer after linked with a router.

A: Make sure the network cable and router port works well, does the printer IP and router IP are on the same network segment? Is the printer IP occupied by other device ? We can modify the ip with our ip setter software attached in the cd driver. Test once modify the ip : Start - Run - input the 8printer IP - see if any response; or contact our service center for repair.

8: Messy code printing except Arabic numeral printing.

A: *language switching incorrectly, please turn on the SW-4 switch on the DIP switches.*

9: Fuzzy printing of Chinese character **A:** ON Please turn on the SW-3 switch (DIP switches on the bottom of the printer)

10: Malfunction of the auto paper cuttingA: See if the SW-1 is off and ensure the cutting function is Enabled or contact the service center for repair.

11: Red indicator keep flashing during the printing.

A: Usually it is due to the high temperature of the print head. If printing stopped, please contact the service center for repair.

12: How to install a network shared printer driver?A: Find the driver file of the shared printer from network neighborhood and click it.

13: Communication interrupts and can not print if multiple ethernet printers works simultaneously, How to solve this problem?
A: First check if the network then get the printer ethernet ID, to see if any conflicts of the ethernet ID. Give a specified Ethernet ID to each printer to avoid this problem.

14: Printing speed is very slow for serial printer

A: follow this path and change the set accordingly : Driver -- Properties --Device Settings -- Print Mode -- Print as soft font

15:Water or other liquid spills into the printer

A: Cut off the power, we can dry the main board or printer head with a hair dryer, careful of the temperature (average 50 degree is ok)

16: Print page without any content (White)

A: 1.Connect printing is ok but self printing test is white

2. Without any contents for both printing method

Solution for 1. Font damaged & replace the font chips.

Solution for 2. Please replace the printer head and try again. Contact service center for repair if same problem after replace the printer head.

17: How can we reset to default setting?

A: Find the card slot on the bottom of the printer.Press the black key (just press and release ---Reset the IP to default Only)

18: How to reset the WiFi default setting?

A:Find the card slot on the bottom of the printer.Press the black key & **Hold on** (about 10 seconds ---Reset the WiFi to default)