POS Printer

TP Series

Wi-Fi Operation Manual

Rev.1.4

Contents

1. Manual Information....3
2. Instruction Before Wi-Fi Setting....3
3. Connect Printer to Master Device Through Wi-Fi....5
4. Shift Wi-Fi Mode / Set Parameters Through Web or Utility Tool....6
    4.1 Shift Wi-Fi Mode / Set Parameters Through Web....6
    4.2 Shift Wi-Fi Mode / Set Parameters Through Utility Tool....12
5. Use Printer Driver Through Wi-Fi Connection....19
6. Shift Wi-Fi Mode / Set Parameters Through POS App....26
    6.1 Connect printer to mobile device via Wi-Fi....26
    6.2 Shift Wi-Fi Mode / Set Parameters Through POS App....31

1. Manual Information

This Wi-Fi Operation Manual provides information on POS printer's Wi-Fi settings.

We maintain ongoing efforts to enhance and upgrade the functions and quality of all our products. Product specifications or user manual content may be changed without prior notice.

2. Instruction Before Wi-Fi Setting

1) Printers with the Wi-Fi module, when the printer is powered on, the power indicator is flashing. After 8-9 seconds when the printer is ready, the power indicator will remain constant light.

2) To set up on a web page or tool after connecting to Wi-Fi, you need to get printer IP information, which can be obtained in the following two ways:

■ Press the FEED button of the printer without releasing, then press the power button to turn on the printer, when the printer begins to print the self-test page, release the FEED button. Check the IP information in the self-test page.

■ For TP808 (with built-in Wi-Fi module), Shortly press the power button of the printer 3 times, the printer would print out the IP information automatically;

For other models of POS printers (with external Wi-Fi module), shortly press the Function/Reset Button (at the interface board) for three times, and the printer would print out the IP information automatically.

3) The Wi-Fi parameters of the printer can be set on web page or the tool of the printer.

■ Set on web page

The following browsers are recommended: 360, IE and Firefox.

■ Set on the Utility Tool of the printer

URL for Utility Tool Installation Package: http://www.hprt.com/Downloads.html (Choose the product model name (take TP806 as an example) under this URL to obtain download page of the Utility Tool Installation Package)

Regarding the installation method of Utility Tool, please refer to *HPRT Utility Tool for POS Instruction_Rev.1.5* (Click this URL to obtain:
http://www.hprt.com/manuals/HPRT_Utility_Tool_for_POS_Ins_Rev.1.5.pdf)

4) The printer Wi-Fi can connect with three master devices at the same time in AP mode, and the default IP address in AP mode is 192.168.1.1.

The printer Wi-Fi can connect with five master devices at the same time in STA mode.

3. Connect Printer to Master Device Through Wi-Fi

1) Turn on the printer which is defaulted as AP mode. In the master device, select and click “Connect” at “POS_WIFI” hot-spot in the list of the wireless network connection. Type in the password (the default password is 12345678), and the “POS_WIFI” is successful connected.

2) After the printer is successfully connected to the master device through Wi-Fi, the terminal software can be communicated through the default IP:192.168.1.1.

4. Shift Wi-Fi Mode / Set Parameters Through Web or Utility Tool

4.1 Shift Wi-Fi Mode / Set Parameters Through Web

1) After the printer is successfully connected to the master device through Wi-Fi, open the browser and type in the IP address 192.168. 1.1 to enter into the printer setup interface, type in the password (The default password is 12345678).

2) Click “Login” and enter into the following interface. In the master right corner, you can switch the languages of the displayed interface.

3) In “Work Mode”, Change the AP mode to STA mode, click “Save”, but don’t restart the printer.

4) Enter into “STA Setting”, click “Scan”, select the wireless internet that you want to connect to. For example, select “prtwireless” and click “OK”, then type in the password of this wireless internet, select “Enable” in “Obtain an IP address automatically” , and click “Save”.

System
AP Setting
STA Setting
Work Mode
Other Setting
Account
Upgrade SW
Restart
Restore
Network Name（SSID）
Note: case sensitive
prtwireless
Scan
Encryption Method
WPA2PSK
Encryption Algorithm
AES
Password
Show passwords
Obtain an IP address automatically
Enable
IP Address
192.168.1.80
Subnet Mask
255.255.255.0
Gateway Address
192.168.1.1
Save

5) Click “Restart”, When the interface appears “Rebooting Successful!”, manually restart the printer, so the STA setting is effective.

6) Click “OK” in “Restore”, then manually restart the printer, so the restore factory setting is effective.

Notes:

1） In the above setting process, wait until all the parameters are set before restarting the printer.

2） Wi-Fi settings do not take effect until the printer has been restarted

4.2 Shift Wi-Fi Mode / Set Parameters Through Utility Tool

Take TP808 as an example in the following steps. All the settings are effective only on the printers with Wi-Fi function.

1) Click “Advanced Settings”-> “Wi-Fi Setting” in Utility Tool, click “Read” to obtain the current status of printer.

2) WiFi Module supports AP mode and STA mode, and default as AP mode.

■ Under AP mode, printer will be used as a wireless network access point, computer or other mobile devices can connect to this Wi-Fi.

Module Version	Current Module Version
WiFi Mode	Supports “AP” mode and “STA” mode, and default as “AP” mode
SSID	Modifiable, default as “POS_WIFI”
IP Address	Modifiable, default as “192.168.1.1”

If it's necessary to modify SSID and IP address, click "Set" after modifying, then restart the printer.

■ Change from AP mode to STA mode.

● Choose STA under Wi-Fi mode, the interface is shifted to the following screenshot:

● Click “Scan”, choose a connectable “hot spot” from SSID options. type in the password of Wi-Fi that you want to connect to.

● Click “Set”. After it is set successfully, the printer would restart automatically.

SSID	The SSID name that is chosen after scanning “hot spot”
DHCP	Enable/Disable dynamic allocation of IP
IP Address	When DHCP is at Enable status, IP address will be allocated automatically, no need to do the setting; When DHCP is at Disable status, IP address must be set to the same LAN with the Wi-Fi that you connect to

● After the printer is restarted, short press the power button 3 times, so that the current Wi-Fi parameter information can be printed.

● After completing the setting, connect the computer to the Wi-Fi that the printer connects to, click “Modify Printer”, choose “TCP/IP”, and set the IP address the same as the printer’s IP address, then click “OK”. ***(Following Screenshot takes TP808 as an example)***

● Click “Connection Test” to check if the setting is successful.

Notes: When the printer is failed to connect with its master devices, please check if the settings are correct, and please check if the master devices and the printer are on the same network segment. When parameter setting error occurs, which leads to the failed connection, please reset the Wi-Fi parameter by the following way 1) or 2):

1) For TP808 (with built-in Wi-Fi module), shortly press the power button five times, so that the Wi-Fi parameter would be reset. The printer would restart automatically, so the reset is taken into effect.

2) For other models of POS printers (with external Wi-Fi module), shortly press the Function/Reset Button (at the interface board) for five times, and the Wi-Fi parameter would be reset. The printer would restart automatically, so the reset is taken into effect.

5. Use Printer Driver Through Wi-Fi Connection

1) In Utility Tool or Web, set the printer Wi-Fi to STA mode, and connect the printer to the available Wi-Fi nearby. (Regarding the setting detail, please refer to Chapter 3 and 4)

2) In the list of the wireless network connection of the master device, find and connect to the same Wi-Fi that the printer is connecting to.

3) Install the printer driver (take TP808 as an example) in the master device. (Please refer to the Driver Manual at http://www.hprt.com/Downloads.html)

4) In the master device, click "Start"——"Settings"——"Device"——"Device and Printers" (take Windows 10 operation system as an example) to find the icon of the printer driver TP808 that you just installed.

5) Right click the icon, choose"Printer Properties".

6) Under the function “Ports”, click “Add Port”. In “Printer Ports”, choose “Standard TCP/IP Port”, and click “New Port”.

7) Click “Next”.

8) Type in the printer’s IP address (the IP address is available from the Self-Test Page of the printer), click “next”, enter “Detecting TCP/IP Port" state.

9) After a few seconds of detection, the "Add Standard TCP/IP Printer Port Wizard" interface is popped up, then click "Next".

10) Click “Finish”.

11) Under the function "port", choose the port that you just added, and click "Apply".

12) Click “OK”.

TP808 Properties
General
Sharing
Ports
Advanced
Colour Management
Security
关于
TP808
Print to the following port(s). Documents will print to the first free checked port.
Port
Description
Printer
COM9:
Serial Port
FILE:
Print to File
USB001
USB 虚拟打印机端口
172.20....
Standard TCP/IP Port
5fprint...
Standard TCP/IP Port
KONICA MINOLTA 423SeriesPC...
Cloud ...
Standard TCP/IP Port
172.20....
Standard TCP/IP Port
TP808
Add Port...
Delete Port
Configure Port...
Enable bidirectional support
Enable printer pooling
OK
Cancel
Apply

13) Under “General”, click “Print Test Page”.

14) The print test is successful.

6. Shift Wi-Fi Mode / Set Parameters Through POS App

6.1 Connect printer to mobile device via Wi-Fi.

1) Turn on the printer with Wi-Fi function. It's Wi-Fi mode is defaulted as AP mode which has a wireless network access point named "POS_WIFI", and its IP address is 192.168.1.1.

2) Connect the mobile device to "POS_WIFI" by the following steps:

Turn on the mobile device -> click "Settings" - ""Wi-Fi" -> choose "POS_WIFI" in the list -> type in its password (The default password of "POS_WIFI" is 12345678) -> successful connection -> The terminal software can be communicated via the default IP 192.168.1.1.

3) Install the App “POS Editor” in the mobile device.

• Under Android system, download the “POS App” APK file in HPRT website (http://www.hprt.com/Downloads.html), and then use it to install the App “POS Editor” in the mobile device.

• Under iOS system, download and install the App “POS Editor” directly from the App Store in the mobile device.

4) Click “POS Editor” icon on desktop of mobile device.

5) Click “Current connection” and choose printer module TP808 that you want to connect with, click “OK”.

6) Click “Wi-Fi” -> choose the network 192.16.1.1. -> connection succeed.

7) When the mobile device is connected successfully with the printer via its “POS_WIFI”, it shows the interface as the following screenshot.

“Text print / Self-test page print / Image print / File print / Barcode print / Test print” are available for usage.

6.2 Shift Wi-Fi Mode / Set Parameters Through POS App

1) Click the setting button “ ” on the upper left corner, and the following settings (“Function setting/Parameter setting/ port setting / Save printing Setting”) are available for usage.

2) Click “Port setting”, choose “Wi-Fi”, and the Wi-Fi parameters can be set.

3) Shift the Wi-Fi mode from AP to STA mode.

Take the following steps to set:

① Change the Wi-Fi mode to STA mode.

② Click “Hot-spot name” -> “Scanning hot-spot” -> choose a hot-spot. (For example, choose “WYX iPhone”)

③ Type in the password of the hot-spot“WYX iPhone”, and then click “Save” at the upper right corner, so the printer is successfully connected to this hot-spot.

④ Check the network connection of the mobile device, it’s also connected to the same hot-spot (“WYX iPhone”) that the printer is connected to.

Note: When necessary, users can reset the Wi-Fi parameters by shortly pressing the power button 5 times.