

Printer setting tool

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1 Communication port

Communication port: driver, serial port, network port, USB、parallel port;

1. Select Communication Port

☐ DRIVER 导出为WPS PDF

☐ COM COM4 9600 NOPARITY No FlowControl

☐ NET 192.168.1.114 9100 SEARCH

☒ USB

☐ LPT

☐ FILE C:/Users/caysn/Desktop/data.bin Select

Driver:click on the drop box shows all installed printers.

Serial port: point drop box shows all COM ports that have been assigned to the device.

Network port: click on the right side bottom of the search, can detect the printer connected to all printers IP host through the network port, appears in the drop-down box .

USB: click the drop-down box to shows all the printers that are connected via the USB printer.

Parallel port: click the drop-down box shows all the equipment has been assigned the LPT parallel port .

NOTE: Below will prompt the currently selected port, click on the button of Check Port will command the printer to print a string of text,please check printer output to determine is OK.After OK,enter para setting.

2 select module

2.1 Basic

Basic System Label BlackMarker Firmware Hardware WiFi Network Bluetooth USB Cutter MQTT GPRS DIP

Basic Parameters

Language CP437[U.S.A., Standard Europe](0)

Com Baudrate 9600 Com Parity NONE

Font Type FONT-A (12x24) Buzzer ☒

Density Normal Cutter ☒

Chars per line 48 Drawer ☒

Line feed LF (0x0A)

Idle time(s) 0 Power off time(s) 0

Max feed length(mm) 200 Page length(mm) 200

Set Basic Parameters

Language :

CP437 [USA,standard Europe]	CP852 [Latina 2]	ISO-8859-2[Latin2]
KataKana	CP858 [Multilingual Latin I +Europe]	ISO-8859-3[Latin3]
CP850 [Multi-language]	Iran II	ISO-8859-4[Baltic]
CP860 [Portuguese]	Latvian	ISO-8859-5[Cyrillic]
CP863 [Canadian-French]	CP864 [Arabic]	ISO-8859-6[Arabic]
CP865 [Nordic]	ISO-8859-1 [West Europe]	ISO-8859-7[Greek]
WCP1251 [Cyrillic]	CP737 [Greek]	ISO-8859-8[Hebrew]
CP866 Cyrilliec #2	WCP1257 [Baltic]	ISO-8859-9[Turkish]
MIK[Cyrillic/Bulgarian]	Thai	ISO-8859-15[Latin 9]
CP755 [East Europe, Latvian 2]	CP720[Arabic]	Thai 2
Iran	CP855	CP856
Reserve	CP857[Turkish]	Cp874
Reserve	WCP1250[Central Europe]	
Reserve	CP775	GBK2312
Reserve	WCP1254[Turkish]	UTF-8
CP862 [Hebrew]	WCP1255[Hebrew]	SHIFT-JIS(Japanese)
WCP1252 [Latin 1]	WCP1256[Arabic]	EUC-KR (Korean)
WCP1253 [Greek]	WCP1258[Vietnam]	

Baud rate : 4800;9600;19200;38400;57600;115200;1200(The corresponding selection according to the self testing page)

Verify: NONE;ODD;EVEN

Font: FONT-A/FONT-B

Density : Normal/Dark

Line code: 48/40 (Bytes)

The last one will automatically print: when out of paper, printer automatic reprint the last one.

NOTE: Set common properties of the printer,dial the code switch model,will be subject to dial the code switch settings.

2.2 System

Basic	System	Label	BlackMarker	Firmware	Fonts	Hardware	WiFi	Network	Bluetooth
-------	--------	-------	-------------	----------	-------	----------	------	---------	-----------

System Name
Serial Number

Printer Manufacturer

Set the system parameters in this section, including system name, serial number and printer manufacturer.

2.3 Label

Label Mode

Label Cmd Set

TSC/TSPL

Save Variables

Label Position Adjustment

Print position adjustment mm
Tear position adjustment mm

Label Mode Sensor Selection

The label section is divided into 3 parts, Label Mode, label CMD Set and Position Adjustment. And Label CMD Set has TSC/TSPL, EPL, CPCL, ESC/POS, ZPL, JPL options.

2.4 Black Marker

Basic	System	Label	BlackMarker	Firmware	Hardware	WiFi	Network	Bluetooth	USB	Cutter	MQTT	GPRS	DIP
-------	--------	-------	-------------	----------	----------	------	---------	-----------	-----	--------	------	------	-----

Black marker search distance(mm)

Black marker width(mm)

Cut position offset to black marker(mm)

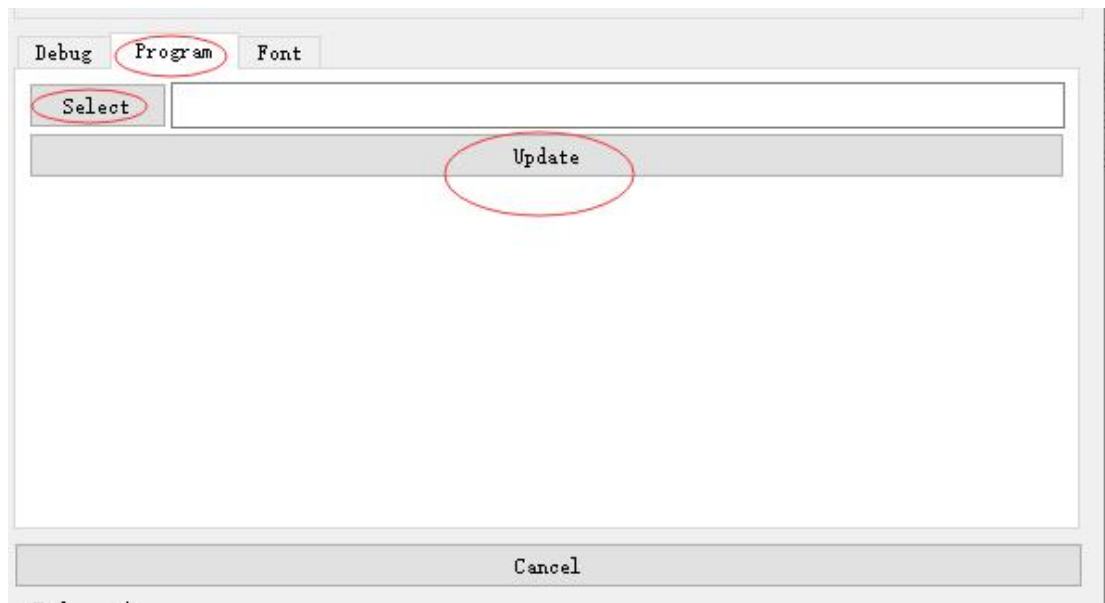
Print position offset to black marker(mm)

NOTE:

Enable the black label pattern and disable the black label pattern are both settings take effect the need to restart the printer.

The button of test cut and test print can adjust the cutting and printing position, find a suitable location to set.

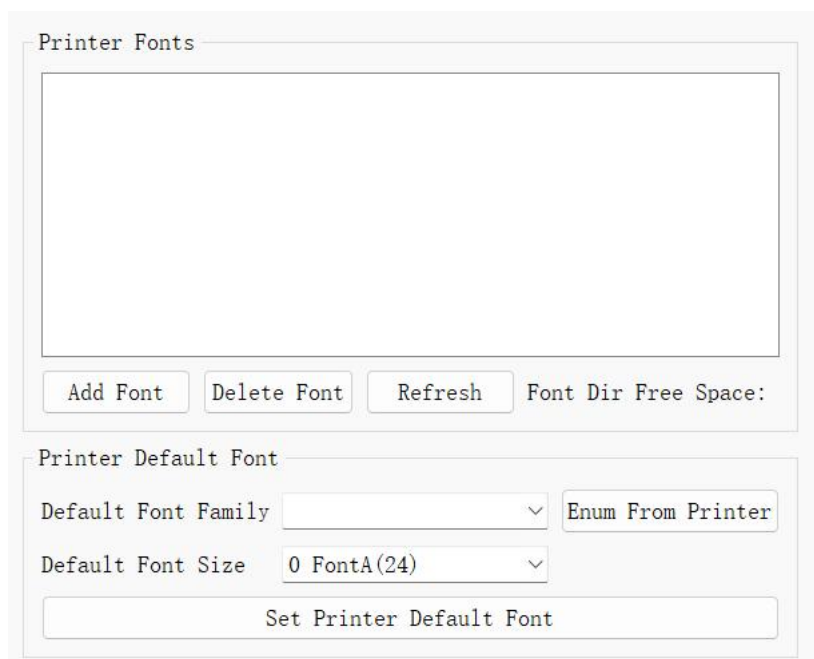
2.5 Firmware



Update the printer firmware

1. Select the file
2. Update (please don't change the firmware if not necessary)

2.6 Fonts



You can choose your own printer fonts, adding or deleting them. And also can set the default font family & size.

2.7 Hardware

For example: As the picture show ,setting cutter available.

The screenshot shows the 'Hardware' settings page. The 'Cutter Function' checkbox is checked. The dropdown menu for 'Cutter Function' is open, showing options: 'Enable Cutter', 'Disable Cutter', and 'Auto Cut On Cover Closed'. The 'Set' button at the bottom is circled.

Click on the settings, the left bottom display status! Is successful, and the printer will print a short set of content; or Failed. Select settings according to requirements.

2.8 Wi-Fi

The screenshot shows the 'Wi-Fi' settings page. The 'Show Professional Settings' checkbox is checked. The 'SIA Professional Settings' section is highlighted with a red box. It contains fields for SSID (TPLINK), Authentication Type (NONE), Encryption Algorithm (AES), and Secret Key (12345678). The 'Set' button is visible at the bottom.

WiFi module PCB of the printer, according to the router set the wireless mode to click on the corresponding model, and fill in the network name, key password, authentication type, encryption algorithm.

Set wireless IP

NOTE: Set up WIFI printer's wireless connection parameters,the settings should be consistent with the parameters of the wireless router.

2.9 Network

Basic System Label BlackMarker Firmware Hardware WiFi **Network** Bluetooth USB Cutter MQTT GPRS DIP

Ethernet IP

☒ DHCP
☐ Fixed IP

IP Address 192 . 168 . 1 . 87
NetMask 255 . 255 . 255 . 0
Gateway 192 . 168 . 1 . 1
Main DNS 4 . 4 . 4 . 4
Second DNS 8 . 8 . 8 . 8

Set Ethernet IP

WiFi IP

☒ DHCP
☐ Fixed IP

IP Address 192 . 168 . 1 . 87
NetMask 255 . 255 . 255 . 0
Gateway 192 . 168 . 1 . 1
Main DNS 4 . 4 . 4 . 4
Second DNS 8 . 8 . 8 . 8

Set WiFi IP

Printer Network Name

Printer

Set Printer Network Name

Ethernet to modify the corresponding parameters according to requirements.

NOTE: If you do not know the MAC address, please do not arbitrarily set this property, otherwise could force through the network printer for printing.

2.10 Bluetooth

Basic System Label BlackMarker Firmware Hardware WiFi Network **Bluetooth** USB Cutter MQTT GPRS DIP

Set Bluetooth Name And Password

Bluetooth Name Printer
Bluetooth Password 0000

Set Bluetooth Name And Password

Set Bluetooth Device Class

00 1F 00

Set Bluetooth Device Class

Set Bluetooth Address

00 00 00 00 00 00

Set Bluetooth Address

After setting, printing a self-test page to check the setting determine is OK.

2.11 USB

Set Usb String

Usb Vendor Name

PRN

Usb Device Name

Printer

Set Usb String

Set Usb VID&PID

Usb VID: 0x

0000

Usb PID: 0x

0000

Set Usb VID&PID

Set Usb Flash Disk Url

Set Usb Flash Disk Url

Set the USB String, VID & PID and Flash Disk URL in this section.

2.12 Cutter

Set Cutter Steps

Home Steps

Full Cut Steps

Half Cut Steps

Set Cutter Steps

Cut Feed Back Function

Disable

Enable

Auto Append Cut Function

Disable

Set

In this section, the cutter steps, cut feed back function and auto append cut function will be set.

2.13 MQTT

MQTT
MQTT(Login Encrypt)
MQTT(Resume)
Aliyun
BaiduYun
MicrosoftYun
TencentY

Server Address 47.106.112.155
Port 1883

User Name test
Password test

Client ID
Set

TEST WEB www.baidu.com
Set

NTP Server ntp1.aliyun.com
Date Zone 8
Set

Sub Topic Generate From CPU UUID
Set

Pub Receipt Info Publish Receipt Info
Set

Pub Qos 1
Set

HeartBeat Interval 30
Set

HeartBeat Publish Topic
Set

TicketReplay Publish Topic
Set

KeepAlive Interval 30
Set

You can set different kinds of parameters in this section, including server address, user's name, password, test web, etc.

2.14 GPRS

APN

APN Name CMNET
Set

APN Username
Set

APN Password
Set

Here you can set the content about APN, including APN name, user's name and password.

2.15 GPRS

WebSocket SSL

select server.crt

select server.key

Set WebSocket SSL Option

You can set Web Socket SSL here.

2.16 DIP

Set DIP Switch

DIP-1
☐ 1
☒ 2
☒ 3
☒ 4
☐ 5
☒ 6
☒ 7
☒ 8

DIP-2
☐ 1
☐ 2
☐ 3
☐ 4
☐ 5
☐ 6
☐ 7
☐ 8

Set DIP Switch

In this section, DIP-1 and DIP-2 can be set.

2.17 LOGO

2.18 QR-Code

Set User Defined Qrcode

Set User Defined Qrcode

Tips: The bluetooth address can be replaced with {}

In this option, you are free to customize the QR code you want.

2.19 Ticket Alarm

☒ Led Alarm

Alarm Startup Wait Secs

Alarm Max Duration Secs

Led On Secs

Led Off Secs

☒ Buzzer Alarm

Alarm Startup Wait Secs

Alarm Max Duration Secs

Buzzer On Secs

Buzzer Off Secs

☒ Audio Alarm

Alarm Startup Wait Secs

Alarm Max Duration Secs

Audio Off Secs

Set

Tips:
Press the paper feed button, open the cover, printer has error, or detect that the paper is taken away, the alarm will be cancelled

In this section, you can set the LED Alarm, Buzzer Alarm and Audio Alarm. And the alarm startup time and max duration time can be adjusted. The same as on and off of LED, buzzer and audio.