

TP80K User Manual



Rev.1.1

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Statement

Copyright

This manual is printed in 2021.

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Version 1.1

Warnings



This must be complied with in order to avoid any damage to the human body and to the equipment.



This is showing the important information and tips for the printer operating.

Note: Due to the continuous improvement of the product, the specifications, fittings, parts, designs and procedures described in the manual are subject to the actual machine without prior notice.

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Important Safety Instructions

Safety Warning

Warnings: The print head will become very hot during printing; avoid contact with the print head after printing has finished.

Warnings: Do not touch the printer head and connector in case static damage the printer head.

Instructions

Carefully read the installation and operating instructions provided with the printer before starting up your printer.

- 1) Place the printer on a flat and stable surface.
- 2) Leave enough space around printer for operation and maintenance.
- 3) Do not place the printer on or near a heat source.
- 4) Do not use the printer near water. Never spill liquid into the printer.
- 5) Do not expose the printer to high temperatures, direct sunlight or dust.
- 6) Protect the printer from shock, impact and vibration.
- 7) Be certain the power source is within the voltage rating and frequency listed for the printer.
- 8) Switch off the printer power supply when won't use it for a long time.
- Do not place the power cord where it can be stepped on. If the power cord becomes damaged or frayed, replace it immediately.
- 10) To ensure the print quality and reliability, you are suggested to use the recommended paper or the same quality paper.
- Please switch off the power supply when connect/disconnect all the ports or it will cause damage to the printer control circuit.
- 12) Never carry out maintenance or repair work yourself. Always contact a qualified service technician.
- 13) Keep this User Manual in a place which is easily accessible at all times.

• Other Precautions

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WEEE (Waste Electrical and Electric Equipment)



This mark shown on the product or its literature indicates that the corresponding item should not be discarded at the end of its working life with others household

waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate marked items from other types of waste and recycle them responsibly to promote the sustained reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office for details of where and how they can conduct environmentally safe recycling of such items. Commercial users should contact their suppliers and check the terms and conditions of purchase contracts. This product should not be combined with other commercial waste for disposal.

Caution: This is a Class A product. In a domestic environment this product may cause radio interference in which the user may be required to take adequate measures.

1 OVERVIEW

1.1 Introductions

TP80K is a thermal receipt printer, featured by high print quality, high print speed, high stability, etc. It can be used in commercial POS system, food industry and occasions which need real-time field print receipts.

TP80K can connect with other equipment through serial, USB, Ethernet and cash drawer interfaces. And the printer drivers are available for the WINDOWS XP/WINDOWS 7/WINDOWS 8/WINDOWS 10/Linux operating system.

1.2 The Main Features

- 1) Low noise
- 2) High print speed
- 3) Easy paper loading
- 4) Cash drawer interface

2 GETTING STARTED

2.1 Packing List

After receiving your printer, please check for possible shipping damage:

- 1) Inspect the outside of both the box and the printer for possible damage.
- 2) Check whether you have received the following accessories together with the printer, if

there are any items missing, please contact your local dealer.







Printer

Power Cord

Quick Start Guide





USB Cable

Power Adapter



- 1) The power cord varies by region.
- 2) The items in the package are actually dependent on the order.



2.2 Appearance







Éthernet Interface

Serial Interface

Back View

3 SPECIFICATION

3.1 Printer Specification

	Item	Parameter	
	Printing Method	Direct thermal line printing	
	Resolution	Default 203 dpi, 180 dpi can be emulated	
Printing	Printing Width	72mm / 48mm	
Parameter	Printing Speed	Max. 230mm/s	
	Printing density	Adjustable from degree 1 to degree 4	
	Printing Direction	Vertical and horizontal	
Interface	Default	Type-B USB 2.0, Serial, Ethernet, Cash drawer	
Auto cutter		Partial Cut	
Page mode		Support	
	RAM	4MB	
Memory	Flash	4MB	
	Font	ANK Font A: 12*24 Font B: 9*17 CHN: GBK 24*24dots	
	Number of Columns	48/64	
	Alphanumeric	95	
Character set	Code page	PC437(std.Europe), Katakana, PC850(Multilingual), PC860(Portuguese), PC863(Canadian), PC865(Nordic), PC857(Turkish), PC737(Greek), ISO08859-7(Greek), WPC1252, PC866(Cyrillic #2), PC852(Latin 2), PC858(Euro), KU42(Thai), TIS11(Thai), TIS18(Thai), PC720(Arabic), WPC775(Baltic Rim), PC855(Cyrillic), PC862(Hebrew), PC864(Arabic), ISO8859-2(Latin2), ISO8859-15(Latin9), WPC1250(Latin 2), WPC1251(Cyrillic), WPC1253(Greek), WPC1254(Turkish), WPC1255(Hebrew), WPC1256(Arabic), WPC1257(Baltic Rim), WPC1258(Vietnamese), MIK(Cyrillic), PC755(Latin 2), Iran, Iran II, Latvian, ISO-8859-1(WestEur), ISO-8859-3(Latin 3), ISO-8859-4(Baltic), ISO-8859-5(Cyrillic), ISO-8859-6(Arabic), ISO-8859-8(Hebrew), ISO-8859-9(Turkish), PC856, PC3848(ABICOMP), MONGOLIAN, VISCII	
Graphics		Support bitmap printing with different density and user defined bitmap printing (Max. 196K for total)	
Barcode	1D 2D	UPC-A, UPC-E, CODE39, CODE93, CODE128, EAN128, EAN8, EAN13, Interleaved 2 of 5 QR Code, PDF417	
Detection	Sensor	Paper end, cover opening, cutter jam, TPH over-temperature	
	Power indicator	Blue	
LED indicator	Paper indicator	Orange	
	Error indicator	Red	



	Item	Parameter	
	Input	AC100V-240V 50/60HZ	
Power supply	Output	DC 24V±5%, 1.5A	
	Paper Loading	Easy-loading structure of upward open cover	
	Paper Type	Standard thermal paper	
Paper	Paper Width	79.5±0.5mm/57.5±0.5mm	
	Paper Thickness	0.056~0.13mm	
	Paper Roll Diameter	83mm Max.	
Condition	Operating	0~45 °C / 5~95%RH No condensation	
Condition	Storage	-20~70°C / 15~95%RH No condensation	
Poliobility	TPH Life	100km	
Reliability	Cutter Life	1,500,000 times	
Emulation		ESC/POS	
Packing	Printer Dimension (W*D*H)	140mm*179mm*117mm	
Information	Accessories	Power adaptor, Power Cord, Quick Guide, USB Cable	
Driver		Windows 7/8/10, Windows Server 2008/2012/2016 Linux, Javapos, OPOS, MacOS	

3.2 Printing Media Specification

3.2.1 Continuous Thermal Paper Specification

Paper Type : Standard thermal paper

Paper Width :79.5±0.5mm/57.5±0.5mm

Paper Outer Diameter : Max. 83 mm

Paper Thickness : 0.056~0.13mm

3.2.2 Notices

⚠ Notes:

1) Please use the recommended thermal paper or same quality paper, otherwise it will influence the printing quality and decrease the thermal printer head life;

2) Don't stick the paper on the core of paper roll.

3) If the thermal paper is polluted by chemical or oil, the thermal paper heat sensibility would decrease, which would influence the printing quality;

4) Don't use finger nail or hard articles to touch the surface of thermal paper, otherwise it will cause color fading;

5) When the environment temperature is higher than 70°C, the thermal paper color will fade, so pay attention to the influence of temperature, humidity and sunlight.



3.3 Printing and Cutting Position

3.3.1 Printing position

79.5±0.5 mm Print Paper



57.5±0.5 mm Print Paper



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3.3.2 Cutting Position



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4 INSTALLATION AND USAGE

4.1 Media Loading

- 1) Press the cover opening button to open the top cover.
- 2) Remove the used roll paper core, if any.



3) In the correct direction of the roll paper, load the paper.



Thermosensitive Layer



4) Pull out some roll paper and close the top cover.



5) Tear the extra paper.



4.2 Power Connection

- 1) Make sure the printer power is turned off.
- 2) Connect power adapter with printer.
- 3) Connect power adapter with power cord.
- 4) Plug the other side of power cord into the socket outlet.





- 1) The power cord varies by region.
- 2) Disconnect or connect the power adapter by correct method, or damage may be caused.

When pulling out the adapter, please pinch the shell of power adapter and pull the switch up,

when the switch is fully opened then pull out the power adapter.

Don't put forth your strength to pull the plug by squeezing any place of power adapter. Because

it is more difficult to pull it out and easy to damage the cable.









- 1) Please only use the power adapter recommended by supplier or equivalent products.
- 2) When disconnecting the power adapter plug, handhold plug connector *shell* to avoid the pulling on the cable in force.
- 3) Avoid dragging the power adapter cable, otherwise it will damage the cables, causing fire and shock.
- 4) Avoid putting power adapter around a heating device, otherwise the cable may melt, causing fire and shock.
- 5) If you do not use the printer for a long time, disconnect the power supply of printer power adapter.

4.3 Cash Drawer Connection

1) Make sure the printer's power switch is turned off;

2) Connect the cash drawer cable into the cash drawer interface on the rear side of the printer.



Cash drawer interface can only be connected to a voltage of 24V cash drawer device (can't

connect to the phone line, etc.)

4.4 LED Indicator and Beeper

Function specification of indicated light and beeper.

LED Name	LED Status	Printer Status
POWER LED	ON	The printer works well.
(Blue)	OFF	The printer is power off.
ERROR LED	Flash	The printer is in error status.
(Red)	OFF	The printer is in normal status.
PAPER LED	ON	The printer is in paper end status. / The printer cover is open.
(Orange)	OFF	The printer is in normal status.

Error Description	POWER LED	ERROR LED	PAPER LED	Beeper
cover opening	ON	ON	ON	"Beep ,Beep,Beep"
Paper End	ON	ON	ON	"Веер, Веер, Веер"
Cutter Jam	ON	Flash	OFF	"Beep—, Beep—"
TPH over-temperature	ON	Flash	OFF	"Веер ,Веер,Веер"
Over-voltage / Low-voltage	ON	Flash	OFF	"Веер, Веер, Веер"

Mote: The printer uses a thermistor to detect the temperature of the print head. If the temperature of print head is higher than 65° C, printer will send a warning. If the temperature of print head is higher than 80° C, printer will stop working until the temperature is lower than 60° C.

4.5 Print Test

4.5.1 Print Self-Test

The self-test checks the printer's current settings, status and whether the printer has any problem.

1) Make sure the power is connected and paper is loaded properly.

2) Make sure the printer is off and top cover is closed properly.

3) Press the paper feed button and power button simultaneously to turn the printer on. The

printer is ready to receive data as soon as it completes the self-test.

4.5.2 Printing of Windows Driver Program

1) Install the Windows Driver program.

Please refer to the Windows Driver Instruction at Chapter 9.

- 2) Please set the "Ports" as the type you use.
- 3) Use the Windows Driver Program to print out the "Print Test Page".

5 INTERFACES

TP80K supports serial, Ethernet, cash drawer and USB interfaces.

5.1 USB



Figure 5-1

PIN NO.	SIGNAL NAME
1	VBUS
2	D-
3	D+
4	GND

5.2 Cash Drawer Interface



Figure 5-2

PIN NO.	SIGNAL NAME
1	FG
2	Drawer 1
3	DRSW
4	VDR
5	Drawer 2
6	GND

Electrical characteristics

- Driving voltage: DC 24V
- Driving current: Maximum 0.8 A (In 510 ms)

Detection signal for drawer status: "L" = 0 ~ 0.5 V "H" = 3 ~ 5 V

5.3 Power Port Connector



Figure 5.3

PIN NO.	SIGNAL NAME
1	+24V
2	GND
3	N.C
SHELL	F.G

5.4 Serial Interface

Printer TP80K serial interface is compatible with RS-232 standard, with 9 pin sockets.



Figure 5.4

PIN NO.	SIGNAL NAME
1	-
2	TXD
3	RXD
4	-
5	GND
6	DTR
7	-
8	RTS
9	-



5.5 Ethernet Interface



PIN NO.	SIGNAL NAME
1	TX+
2	TX-
3	RX+
4	n/c
5	n/c
6	RX-
7	n/c
8	n/c

Note: The printer is equipped with an Ethernet interface, and use the network connection router, switch and other network communication equipment which meet RJ45 interface standard. When connecting directly with PC, it is suggested that the cross network line in accordance with RJ45 interface standard should be adopted.

6 TROUBLESHOOTING

Your printer is very reliable, but occasionally problems may occur. This chapter provides information on some common problems you may encounter and how to solve them. If you encounter problems that you can not resolve, contact your dealer for assistance.

6.1 Printer Not Working

Problem Description	Probable Reason	Solution
LED is not on, printer is not working	Printer has no power	Connect to the power supply
	Printer is not on	Turn on the printer
	Circuit board is broken	Contact with the dealer

6.2 LED Indicator and Beeper Alarm

Problem Description	Probable Reason	Solution
Error LED and paper LED are always on and beeper alarms	Printer cover is open	Close the printer cover
	Paper end	Reload the roll paper
	Thermal print head is overheated	Turn the printer off and resume when it cools
Error LED blinks and beeper alarms	Over-voltage	Print with specified voltage
	Low-voltage	Print with specified voltage
	Cutter jam	Restart the printer. (Or refer to 6.5)



6.3 Troubles Occur During Printing

Problem Description	Probable Reason	Solution
Blurred printing or spot	Incorrect roll paper loading	Check if the roll paper is loaded
	Unqualified roll paper	Use recommended thermal roll paper
	Dirty thermal head or print roller	Clean the thermal head or print roller
	Low print density	Increase the print density level
Paper is not feeding normally	Paper is jammed	Open the printer cover, check the paper path and remove jammed paper
Vertical print words are	Dirty thermal head or print roller	Clean the thermal head or print roller
missing	Thermal head is damaged	Contact with your dealer for assistance

6.4 Problems Emerge During the Paper Cutting

Problem Description	Probable Reason	Solution
	Cutter abrasion, insufficient cutting	Replace the cutter
movable cutter wh cannot go back	Worm gear and worm wheel abrasion	Replace the worm gear and worm wheel
	Motor is burnt	Replace the motor
	Paper scraps	Clean the paper scraps on the transmission system
Insufficient cutting	Cutter edge abrasion, paper is too thick	Replace the cutter
	Thermal printer head is over heated	Reduce the density of printing
Paper jam	Driving too fast	Reduce the printer speed to the limit of thermal printer head
	Wrong paper feeding position	Put the paper parallel with the paper mount and insert into the space between platen roller and the thermal printer head.

 \bigwedge Note: about the density setting, pls refer to Utility Tool for POS Instruction at chapter 8.

6.5 Troubleshooting for Cutter Jam

1) When cutter jam occurs, do not press the cover opening button to avoid damaging the blade.



2) Fix the printer by one hand and press either side of the convex bars by the other hand. Push

up and open the front cover.



3) Please rotate the gear until the blade returns to its normal position, as shown in Figure 2.



7 PRINTER CLEANING AND MAINTENANCE

Print quality might be degraded by dust, foreign substance, adhesive substance, or other pollution materials stuck in the printer head or inside the printer.

When dirty, clean the print head as following steps:

※ CAUTION

1) Make sure to turn off the printer prior to cleaning.

2) As the print head gets hot during printing, turn the printer off and wait approximately 2~3 minutes before starting to clean.

- When cleaning the print head, take care not to touch the heated portion of the print head.
 Print Head is susceptible to damage from static electricity, etc.
- 4) Take care not to allow the print head become scratched and/or damaged in any way.

7.1 Cleaning Head

- Open the printer cover and then use cotton stick with medical alcohol to clean the head in the direction from the center of the head to the edges.
- After cleaning the head, do not use the printer until the alcohol used for cleaning evaporates completely (1~2 min.) and the printer has completely dried.

7.2 Cleaning Sensors, Roller and/or Paper Path

- 1) Open the printer cover and then remove the paper.
- 2) Remove any dust or foreign substance using dry cloth or cotton swab.
- 3) Soak the cloth or cotton swab in alcohol for medical use and use it to remove adhesive foreign substances or other pollution materials.
- After cleaning the parts, do not use the printer until the alcohol evaporates completely (1~2 min.) and the printer has completely dried.

X Clean the parts whenever print quality or paper detection degraded.

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8. UTILITY TOOL FOR POS INSTRUCTION

Utility Tool is applicable to the following operating system:

- Microsoft Windows 10 (32 bit/64 bit)
- Microsoft Windows 8 (32 bit/64 bit)
- Microsoft Windows 7 SP1 (32 bit/64 bit)
- Microsoft Windows Vista SP2 (32 bit/64 bit)
- Microsoft Windows XP Professional SP3 (32 bit)
- Microsoft Windows Server 2012 (64 bit)
- Microsoft Windows Server 2008 R2



8.1 Utility Tool Installation

The following screens take Win 7 for example.

- 1) Open the installation package.
- 2) Choose "English" and click "OK".



3) Choose "I accept the agreement", then click "Next".





4) Click "Next".

e installed?	
OSSetup into the follow	ving folder.
to select a different fold	der, dick Browse. Browse
quired.	
< Back	Next > Cancel
	OSSetup into the follow to select a different fol S

5) Select start menu folder. Click "Next".





6) Click "Install".

Ready to Install Setup is now ready to begin installing HPR	TillityForPOSSet in on your	L
computer.	round, on obsetup on your	C
Click Install to continue with the installatio change any settings.	n, or click Back if you want to review or	
Destination location: C:\Program Files (x86)\HPRTUtilityFo	vrPOS	*
HPRTUtilityForPOS		
	Б	*

7) Click "Finish". Utility is installed successfully.





8.2 Using Utility Tool

Warning: In different operating system, screen has a slight difference. Please operate it according to the tips. Take TP80K (Windows 7) for example.

8.2.1 Add/Modify/Delete/Connect Printer

8.2.1.1 Add printer

1) Click "Add Printer".

Printer List: FP80K USB TP80K	
	Add Printer
	Modify Printer
	Delete Printer
	Connection Tes
Manage Images	Download Image In Compatible Mode
Code Page Setting	Download Fonts
Parameter Setting	Advanced Settings



2) Choose the appropriate printer type and port. Then click "OK". (Take TP80K for example.)

^o rinter driver:	ТР80К
PortInfo	
Port type: [USB 🔹
Automatic ident	tification port.
Notes:]

8.2.1.2 Modify printer

1) Choose the printer you want to modify in the list. Click "Modify Printer".

Select Language Help Printer List:	
TP80K USB TP80K TP80K USB TP80K POS	Add Printer
	Modify Printer
	Delete Printer
	Connection Tes
Manage Images	Download Image In Compatible Mode
Manage Images	
Code Page Setting	Download Fonts
Parameter Setting	Advanced Settings
FW Update	Close



2) Choose the new printer and new port. Then click "OK".

Printer driver:	TP80K	8
PortInfo		
Port type:	USB	•
Automatic ider	USB TCP/IP	
	COM LPT	
Notes:		
	ок	Cancel

3) The new printer is added successfully.


8.2.1.3 Delete printer

1) Choose the printer you want to delete in the list and click "Delete Printer".

rinter List: P80K USB TP80K	
P80K USB TP80K POS	Add Printer
	Modify Printer
	Delete Printer
	Connection Tes
Manage Images	Download Image In Compatible Mode
Code Page Setting	Download Fonts
Parameter Setting	Advanced Settings

2) Click "Yes", then the printer is deleted.





8.2.1.4 Connection Test

Make sure printer is connected to computer and it is powered on.

1) Choose the printer. Click "Connection Test".

Printer List:	
PBOK USB TPBOK POS	Add Printer
	Modify Printer
	Delete Printer
	Connection Tes
Manage Images	Download Image In Compatible Mode
Code Page Setting	Download Fonts
Parameter Setting	Advanced Settings



2) If the connection is successful, it will appear the following window. If the connection is unsuccessful, please connect the printer with computer.



Notes:

- 1) Make sure printer is connected with computer and power on.
- 2) Make sure printer is loaded with paper.
- *3)* Before using the following function, carry out the "Connection Test" first.





8.2.2 Functions

Printer Test contains the following items:

- Printer Test
- Command Test
- Manage Images
- Download Image in Compatible Mode
- Download Fonts
- Parameter Setting
- Advanced Settings

8.2.2.1 Printer Test

1) Self Test

Click "Self Test" to see if the printer will print properly.

Open #1 Cash Drawer	Open #2 Cash Drawer
Self Test	Cutter Test
Print Text Test	2D Code Test
Printer Status	



2) Cutter Test

Click the cutter test and the paper will be cut automatically. Cutting method is partial cut (Partial cut: Not fully cut off, leave a connection point between the two sheets of paper).

As shown in the figure:



3) Print Test Text

Click "Print Test Text", input the text you want to print. When you click "Print", the printer starts printing text content. Such as: Print Text Test.

Please enter the text you need to print:		(Length < 5000)
Printer Text Test		
	Select Language	

Note:

The language option in the lower right corner is checked according to the input text. (For example: The input is Simplified Chinese, the language is checked for Simplified Chinese, the printer prints the input text according to the setting options, and if you check other languages, the printer does not print the text)



4) 2D Code

Click the QRCode mode.

Model:	2 🔻
Module size:	3 🌩
Error correction level:	L 7% 🔹
Data:	



▲Module size: 1~16

The larger the module value, the

larger the printed QR code is, and the

smaller the opposite.

▲Error correction level: 7%~30%

The higher the error correction level,

the more intensive the module

graphics.





Click the PDF417 mode.

Columns:	0
Rows:	0
Width of the module:	3
Row height:	3 🔻
Error correction	
Level model	Ratio model
Error correction level:	1
Data:	

▲Columns: 0~30

▲ Rows: 0~90

 \blacktriangle Width of the module: 2~6

The larger the module value, the

wider the width of the printed

PDF417 barcode, and the

smaller the opposite.



▲Row height: 2~8

The larger the module value, the

longer the printed PDF417

barcode, and the smaller the

opposite.

▲Error connection level



8.2.2.2 Command Test

In the command test, you can send command to the printer. Input text or hexadecimal data. Select a file or enter a command in the input box.

1) Click "Send by Text", input text content.

Printer Test	Roman Lan	×
	Load File(L)	Send Option Send By Text Send By Hex Sending Recycle Send Interval 3000 >100ms Send And Receive Data Recive Data Length: 256 Clear After Sending
Receive Data:	Read	Send (S) Clear (CL)
		Close (C)



▲Sending Recycle:

When the interval is set to 3000ms (you can set the interval as needed), then click "Send", the printer starts to recycle printing. Click "Stop" to stop the recycle printing.

-	Option end By Tex		
S	end by lex	L.	
© s	end By Hex		
Sen	ding Recycl	Le	
Sen	d Interval	3000	>100m s
Sen	d And Rece:	ive Dat	a.
Rec	ive Data Le	ength:	256
Cle	ar After S	ending	
Cle	ar After So Send		
Cle		(5)	



2) Click "Send by Hex", input the content. (Convert text to HEX or send ESC command)

Printer Test		×
	Load File(L) Send Option Send By Text Send By Hex Sending Recycle Send Interval Send Interval 3000 Send And Receive Data Length: Clear After Sending	
	Send(S)	
Receive Data:	Read Clear(CL)	
	The Close (C)	



8.2.2.3 Manage Images

PRT

н

Image List:	Print Alignment
	Download(D)
	Print(P)
	Delete Image(E)
	Delete All Images
	Refresh(R)
Total space:196 Already loaded	KB, Free space: 196KB;

1) Click "Download" to add the image, if you want to print the picture, set the print location before clicking "Download mode of G" to print the picture. (It is recommended to use a picture in BMP format)

ownload image Gelect File(F):	Add(A)	Delete(D)]
			Print preview
Note:Use the file order NO. (of the image as a built-in printer image number		(Image space < 40960B)
Sownload mode of G	Print image after download is completed	Print Alignment	•

2) Select the print location, center, left, and right. (Such as, left print).





elect File(F): C:\Users\1993\Desktop	p\01. bmp	Add(A)	Delete(D)	·
				Print preview
ote:Use the file order NC Calcel(C)	0. of the image as a bu ☑ Printimage af		Print Alignment	(Image space < 40960B)
Juccess!		ОК		

Note: Total memory for the bitmap is 196K.



3) Delete Image.

Note: Each time click "Download mode of G", an image list number will be generated.

00 01	Print Alignment
	Download(D)
	Print(P)
	Delete Image(E)
	Delete All Images
	Refresh(R)

Click the image list, select "Delete selected image" will delete the image, click "Delete all Images", without clicking the list option to delete all the images in the list.



8.2.2.4 Download Fonts

Select the font from the existing file and click "Download".

ownload File To Printer	×
Download File	
Select File:	
L	
Download (D)	
	Close

Note: After downloading the font successfully, you need to restart the printer to take effect.



8.2.2.5 Parameter Setting

1) Click "Parameter Setting" to set "COM Config" (Only support the printers configured with serial interface), "Language And Charset Config", "Cut Paper", "Buzzer" and "Other Config".

OM Config		T	I Enable Buzzer	
	(
aud Rate:	9600	- L	Buzzer Volume:	Standard
ata Bits:	8		Beeping After Cutting	
top Bits:	1	- I	Beeping times:	0 (1-255)
arity Check:	NONE	-		
low Control:	RTS_CTS	• ·	Beeping time:	0 (1-64) (100ms)
			Beeping interval:	0 (1-64) (100ms)
anguage And Charset Con odepage:	Default	-)ther Config	
itemational Character:			Print Density:	2
itemational Character:	U.S.A.	<u> </u>	Paper Width:	80mm(576dot)
anguage Mode:	Chinese/Japanese/Korean	•		
hinese Mode:	Simplified Chinese	•	Auto Line Feed:	Disable
rabic Transform:	Disable	-	DPI Mode:	203
ietnamese Transform:	Enable deformation,utf-8 input	t 🕶	USB Port Mode:	USB
Enable Cut Paper				
Cut paper after the cover	is closed			
Enable	Oisable			
Cut paper when power or	1			
Enable	Disable			



<u>COM Config</u>

Click the items to set "Baud Rate", "Data Bits", "Stop Bits", "Parity Check", and "Flow Control".

• Baud Rate

9600	
2400 4800	
9600 14400	
38400	
57600 115200 230400	
	2400 4800 9600 14400 19200 38400 57600 115200

• Data Bits

Baud Rate:	9600	•
Data Bits:	8	Ŧ
Stop Bits:	8 7	
Parity Check:	NONE	+
Flow Control:	CTS	-

• Stop Bits

COM Config		
Baud Rate:	9600	•
Data Bits:	8	•
Stop Bits:	1	-
Parity Check:	0.5	
Flow Control:	1.5 2	

• Parity Check

Baud Rate:	9600	•
Data Bits:	8	•
Stop Bits:	[1	•
Parity Check:	NONE	-
Flow Control:	NONE EVEN ODD	

• Flow Control

COM Config		
Baud Rate:	9600	•
Data Bits:	8	•
Stop Bits:	1	•
Parity Check:	NONE	•
Flow Control:	RTS_CTS	•
Language And Charset Config	RTS_CTS XON_XOFF	

Note: The value of the serial port parameter can be obtained according to the value of the Self-test page information.

(1) After setting the parameters as required, click "Set" and the printer would restart automatically. The setting will be taken into effect after finishing restarting.

			iter it		X
Set	succe	ess! Is re	starting	J	
		1		ок	

2 After the printer finishing restarting, open the main menu screen of the tool and click "Modify Printer".

Printer List:	
TP80K USB TP80K	Add Printer
	Modify Printer
	Delete Printer
	Connection Test



③ Select the port category "COM" and set the baud rate to the value "9600" as shown above, and parity "None". This port allows you to print after setup is complete.

Port type:	COM	-
System Port:	COM1	*
Baud rate:	9600	•
Parity:	None	+

Language And Charset Config

Click the items to set "Codepage", "International Character", "Language Mode", "Chinese Mode", "Arabic Transform" and "Vietnamese transform".

• Codepage

Codepage:	Default	-
International Character:	Default PC437 (USA:Standard Europ	-
Language Mode:	Katakana PC850 (Multilingual) PC860 (Portuguese)	
Chinese Mode:	PC863 (Canadian-French) PC865 (Nordic)	
Arabic Transform:	PC857 (Turki sh) PC737 (Greek)	
Vietnamese Transform:	IS08859-7 (Greek) WPC1252	ш
📝 Enable Cut Paper	PC866 (Cyrillic #2) PC852 (Latin 2) PC858 (Euro)	
- Cut paper after the cov © Enable	KU42 TIS11 (Thai) TIS18 (Thai)	
Cut paper when power or	PC720	
🔘 Enable	PC855 (Cyrillic) PC862 (Hebrew)	
	PC864 (Arabic) IS08859-2 (Latin2) IS08850-15 (Latin2)	
Parameter Sett	ISO8859-15 (Latin9) WPC1250 ¡WPC1251 (Cyrillic)	
	WPC1253 WPC1254 WPC1255	
	WPC1256	+



• International Character

Codepage:	Default -
International Character:	U. S. A. 🗖
Language Mode:	V. S. A.
	France Germany
Chinese Mode:	U. K.
	Denmark I
Arabic Transform:	Sweden
	Italy
Vietnamese Transform:	Spain I Japan
	Norway
📝 Enable Cut Paper —	Denmark II
	Spain II
Cut paper after the co	Latin
🔘 Enable	Korea Slovenia/Croatia

• Language Mode (The default mode is "Chinese/Japanese/Korean")

Language And Charset Con:	fig	
Codepage:	Default	•
International Character:	U. S. A.	•
Language Mode:	Chinese/Japanese/Korean	-
Chinese Mode:	Chinese/Japanese/Korean Multi language	
Arabic Transform:	Disable	•
Vietnamese Transform:	Enable deformation, utf-8	•

• Chinese Mode

Language And Charset Con:	fig	
Codepage:	Default	•
International Character:	U. S. A.	•
Language Mode:	Chinese/Japanese/Korean	•
Chinese Mode:	Simplified Chinese	-
Arabic Transform:	Simplified Chinese Traditional Chinese	
Vietnamese Transform:	Enable deformation, utf-8	•



Arabic Transform

Language And Charset Con	fig
Codepage:	Default 👻
International Character:	U. S. A. 👻
Language Mode:	Chinese/Japanese/Korean 🔻
Chinese Mode:	Simplified Chinese 🔹
Arabic Transform:	Disable 🗸
Vietnamese Transform:	Disable Enable deformation, per Voc Enable deformation, per phr
🔽 Enable Cut Paner	Enable Arabic rule

• Vietnamese transform

Language And Charset Con:	fig	
Codepage:	Default	•
International Character:	U. S. A.	•
Language Mode:	Chinese/Japanese/Korean	•
Chinese Mode:	Simplified Chinese	•
Arabic Transform:	Disable	•
Vietnamese Transform:	Enable deformation, utf-8	-
📝 Enable Cut Paper	Disable Enable deformation, ascii Enable deformation, utf-8	in in

• <u>Cut Paper</u>

Enable or disable "Cut paper after the cover is closed" / "Cut paper when power on".

👿 Enable Cut Paper	
Cut paper after th	e cover is closed
🔘 Enable	Oisable
Cut paper when pow	er on
🔘 Enable	Oisable

Enable "Cut paper after the cover is closed":

When the printer closes the cover, it will automatically cut the paper.

Disable "Cut paper after the cover is closed":

The printer does not cut the paper automatically after closing the cover.

Enable "Cut paper when power on":

The printer will automatically cut paper when it is powered on.

Disable "Cut paper when power on":

The printer does not cut paper automatically after it is powered on.

• <u>Buzzer</u>

Buzzer Volume: Very Low/Low/Standard/loud

	C 1 1
Buzzer Volume:	Standard 🔻
Beeping After Cutting	Very Low Low
	Standard
	Loud

Tick "Beeping after cutting" (The beeping time, times and interval time can be set for what

you want, such as 1 milliseconds, 2 milliseconds or 3 milliseconds, etc.):

The following setting is set as an example:

When cutting one piece of paper each time, the printer will emit the "Beep" for one time, and the beeping time is two milliseconds and beeping interval is three milliseconds.

👿 Beeping After Cutt	ting
Beeping times:	1 (1-255)
Beeping time:	2 (1-64) (100ms)
Beeping interval:	3 (1-64) (100ms)



• Other Config

Click the items to set "Print Density", Paper Width", "Auto Line Feed", "DPI Mode", and "USB

Port Mode"

• Print Density (default "level 2")

The print density value varies according to the paper material and it can be adjusted to suit

your needs.



• Paper Width Setting

D · · D · · · ·		
Print Density:	2	•
Paper Width:	80mm (576dot)	•
Auto Line Feed:	58mm (360dot)	
	58mm (384dot) 58mm (416dot)	
DPI Mode:	80mm (416dot)	
	80mm (576 dot)	
USB Port Mode:	USB	•



• Auto Line Feed

Other Config		
Print Density:	2	•
Paper Width:	80mm (576dot)	•
Auto Line Feed:	Disable	-
DPI Mode:	Disable Enable	
USB Port Mode:	USB	-



• DPI Mode (Default "203DPI")

Print Density:	2	•
Paper Width:	80mm (576dot)	+
Auto Line Feed:	Disable	•
DPI Mode:	203	
USB Port Mode:	203 180	

• USB Port Mode

Other Config		
Print Density:	2	•
Paper Width:	80mm (576 dot)	-
Auto Line Feed:	Disable	¥
DPI Mode:	203	•
USB Port Mode:	USB	+
	USB Virtual Serial Port	



- Check the Virtual Serial Port
 - (1) Right-click the computer and select "Manage".
 - 2 Click "Device Manager" to view the virtual port. (such as: COM2).







3 Return to the printer utility and click "Modify Printer".



(4) Change the port to "COM2".

Port type:	СОМ	
System Port:	COM2	-
Baud rate:	COM1 COM2	
Parity:	None	•
Stop Bits:	[1	•

Port type:	COM	•
System Port:	COM2	-
Baud rate:	19200	•
Parity:	None	
Stop Bits:	[1	-
Notes:		



2) After finishing setting all the above parameters, click "Set", the printer would restart automatically, then the settings would take effect.

arameter Settings							
COM Config		Enable Buzzer					
Baud Rate:	9600 🔹	Buzzer Volume:	Standard				
Data Bits:	8 🔹	Beeping After Cuttin	Q				
Stop Bits:	1 •	Beeping times:	0 (1-255)				
Parity Check:	NONE -						
Flow Control:	RTS_CTS -	Beeping time:	0 (1-64) (100ms)				
Language And Charset Cor	nfig		0 (1-64) (100ms)				
Codepage:	Default						
International Character:	U.S.A. Set success! Is resta	irting	2				
Language Mode:	Chinese/		80mm(576dot)				
Chinese Mode:	Simplified	OK ed:	Disable				
Arabic Transform:	Disable	BUOM TING	203				
Vietnamese Transform:	Enable deformation,utf-8 input 👻	USB Port Mode:	USB				
Enable Cut Paper							
Cut paper after the cover	is closed						
Enable	Oisable						
Cut paper when power or	1						
Enable	Oisable						
	Get	Set	Close				



8.2.2.6 Advanced Setting

Advanced Settings contain following items. Click the button and printer will execute the appropriate action. The change will take into effect after restarting the printer.

]	
Reduction Paper Setting	Ethernet Setting
	4 <u>.</u>
Length Of Print	

Reduction Paper Setting

Choose the item and click "Setting".

Reduction Of Excessive Top Margin:	Off	•		
Reduction Of Excessive Bottom Margin:	Off	•		
Reduction Vertical Spacing:	None			
Reduction Line Feeds:	None	•		
Reduction Height Of Barcode:	None			

(1) Reduction Of Excessive Top Margin:

When the printer is in the "off" state, the blank part at the top of the printed paper is larger

than the blank part at the top of the paper printed in the "on" state.

(2) Reduction Of Excessive Bottom Margin:

When the printer is in the "off" state, the blank part of the bottom of the printed paper is

larger than the blank part of the bottom of the paper printed in the "on" state.

③ Reduction Vertical Spacing: 25%~75%

The bigger the reduction vertical spacing, the narrower the interval between two lines of characters.

(4) Reduction Line Feeds: 25%~75%

The higher the reduction line feeds, the narrower the interval between two lines of characters.

(5) Reduction Height of Barcode: 25%~75%

The bigger the reduction height of barcode, the smaller the height of the barcode.

<u>Ethernet Setting</u>

This mode is divided into "Auto Assignment IP" and "Static IP Mode", select one of the modes to connect as needed.

\wedge	Note: IP addresses can be obtained from the Self-test page.
\Box	Note: IP addresses can be obtained from the Self-test page.

thernet Setting						_		-			
HCP: Paddress:	Stat	lie	: IP IP Assig	No	le	P					
Subnet mask:	255	•	255		255		0			_	
)efault gateway:	10		0	•	21		1				Set
MAC :	50	1	23	1	OD	:	53	: 21	1:6	16	



- Static IP Mode
- 1) Change the printer IP address so that the printer IP address (such as: 192.168.0.33) is the same segment as the host IP address (such as: 10.0.21.89).

Here is the illustration:

DHCP:	Stat	tic	IP	Mod	le		•]		
IP address:	192		168		0		33			
ubnet mask:	255	•	255		255		0		1	ç.
efault gateway:	192		168		0		1	l.		Set
NAC :	50	:	23		OD	:	53	: 21	: 16	1

Figure • Printer IP Address

eneral	
	d automatically if your network supports need to ask your network administrator
Obtain an IP address autor	matically
O Use the following IP addres	SS:
IP address:	10 . 0 . 21 . 89
S <u>u</u> bnet mask:	255.255.255.0
Default gateway:	10 . 0 . 21 . 1
Obtain DNS server address	s automatically
Output the following DNS served as a served of the serv	ver addresses:
Preferred DNS server:	10 . 10 . 0 . 2
Alternate DNS server:	10 . 10 . 29 . 2
Validate settings upon exi	t Advanced

Figure • Host IP Address



7

HCP :	Stat	tic	: IP	Mo	de		•]			
P address:	10		0		21		33]			
ibnet mask:	255		255		255		0			_	
efault gateway:	10		0].	21].	1]			Set
AC:	50	1	23	1	OD	:	53	: 21	: 1	6	

Figure • Printer IP Address

• Auto Assignment IP

This mode automatically assigns the IP address to the printer.

OHCP :	Auto	À	Assig	IJ	ent I	P	•	ļ		
IP address:	10		0].	21].	33			
Subnet mask:	255	[.	255].	255].	0		r	
efault gateway:	10	[.	0].	21].	1			Set
AC:	50	•	23		OD	:	53	: 21	 16	

When the settings are complete, click "Write", then restart the printer.



Length Of Print

X
it:60.99(m)
ОК

Click "Length of Print" to obtain the length of the paper that the printer has printed.

8.3 Firmware Update

1) Click "FW Update".

TP80K USB TP80K POS	Add Printer
	Modify Printer
	Delete Printer
	Connection Test
Manage Images	Download Image In Compatible Mode
Manage Images	
Code Page Setting	Download Fonts
Parameter Setting	Advanced Settings



2) Add the "bin" file, and click "Update".

date File	×
Update File Select File:	
C:\Users\wangyuxiang\Desktop\TP80K_V1.00.02.bin Update(D)	
	Close

3) Click "Update".

4) Update success.



5) Restart the printer.

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9 WINDOWS DRIVER INSTRUCTION

9.1 Information

This Windows Driver Instruction provides information on installation, detailed specifications,

and usage of the printer's Windows Driver according to PC operating system (OS).

We maintain ongoing efforts to enhance and upgrade the functions and quality of all our

products. As follows, product specifications and/or user manual content may be changed

without prior notice.

9.2 Operating System (OS) Environment

The following operating systems are supported for usage.

- Microsoft Windows 10 (32 bit/64 bit)
- Microsoft Windows 8 (32 bit/64 bit)
- Microsoft Windows 7 SP1 (32 bit/64 bit)
- Microsoft Windows Vista SP2 (32 bit/64 bit)
- Microsoft Windows XP Professional SP3 (32 bit)
- Microsoft Windows Server 2012 (64 bit)
- Microsoft Windows Server 2008 R2

9.3 Windows Driver Preparation

Follow the link <u>http://www.hprt.com/Downloads.html</u> and find the product name TP80K, then

you can download Windows Driver and other items.

The Windows Driver installation file name is: HPRT_POS_Printer_Driver_v2.7.3.0.exe



9.4 Windows Driver Installation



Under different operating system, the screen has slight difference. Please operate it according

to the tips. Take TP80K (Windows 7) as example.

1) Double click Windows Driver, and choose the language.



2) Choose "I accept the agreement" and click "Next".

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.		
CAREFULLY READ THE FOLLOWING LEGAL AGREEMENT. THE SOFTWARE PROVIDED WITH THIS AGREEMENT (THE "SOFTWARE") IS LICENSED AND ITS USE IS SUBJECT TO THE TERMS AND CONDITIONS BELOW. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, PROMPTLY DESTROY THE SOFTWARE AND DOCUMENTATION.	•	
1. LICENSE GRANT This software is only to be used with the equipment for which it has be made. HPRT grants to you a non-exclusive, non-transferable right to use the SOFTWARE on the computer(s) that will print to the thermal printer(s). This	Ŧ	
I accept the agreement		
○ I do not accept the agreement		



3) Click "Next"



4) Choose the matched type and port (USBxxx is for USB port, COMx is for serial port, LPTx is

for parallel port). Choose the type and port of driver, such as "TP80K", "USB001". Click "Next".

USB001 172.20.10.9 Cloud TCP/IP Port SHRFAX: COM1: COM2: COM3: COM4: FILE: LPT1: LPT1: LPT2: LPT3: XPSPort:	Printer Model: TP80K 🔻 🔽 Default Printer
	Pre-install Driver Name: TP80K
	Baud Rate: 9600 T Parity: NONE T
	Data Bits: 8 - Stop Bits: 1 -
	Flow Control: NONE


Note: If printer is already connected with computer by USB port, it only needs to click "Install", then it will be installed automatically. Otherwise, proceed to the next step.

5) Click "Finish". POS printer driver is installed successfully.



6) After installation, the icon will be found in "Start" \rightarrow "Devices and Printers".



Note: If you already installed the driver (No matter what kind of port), when you connect the printer with computer, it will create a USB port automatically.



9.5 Detailed Windows Driver Setting

9.5.1 Printing Preferences

1) Click "Start" \rightarrow "Devices and Printers". Right click "TP80K" and choose "Printing preferences".



2) According to the different needs, choose "Paper"\"Offset"\"Rotate"\"Effect"\

"Copies" in "Page".

ge Watermark	Halftone Printer	Setting Barcode About
Paper		
Paper Name: (Custom(72.0mm * 29	97.0mm) 🔻
		Manager
Offset		
Horizontal: 0.0	mm	Vertical: 0.0 🚔 mm
Preview	Rotate	Effect
	. 0°	Mirror
	© 180°	E inverse
		Scale: 100 🚔 %
	© 270°	
Copies		
Copies: 1	· · · · · · · · · · · · · · · · · · ·	Advanced
🔲 Reverse Prin	t Order	<u>.</u>



	Dele	te
Custom Paper O		
Paper Name:	Sav	e
		e

•Click on "Advanced" to set "Save Paper", "Cut Paper", "Feed Paper", "Cash Drawer", "Custom

Command", "Logo", "Buzzer", "Code Page", "Error Reprint" and "Error Reprint Watermark".

Save paper

Logo	Buzze	Code	e Page			Erro	Error reprint waterman		
Save Pa	per Cu	ut Paper	Feed	Paper	Cash Dr	awer	Custom Command		
	🔊 None			@ E	Bottom				
(🔵 Тор			01	op Bottor	n			
(🔊 Scale								



Cut Paper





Feed paper



Cash drawer

Logo Save Pa	Buzzer			e Error RePrint Error ed Paper Cash Drawer			reprint watermark	
F	Pulse			225			x2 ms	
C	Cash Draw	er 1 (2PIN	I): [1	Vone			•	
0	C <mark>ash D</mark> raw	er 2 (5PIN	I): S	lone Start Do Ind Doc	cument ument			



Logo	Bu	zzer	Code	Page			r reprint v	watermark	
Save Pa	Paper Cut Paper Fee		Feed	l Paper	Cash Dr	awer	Custom	Command	
	Pulse				225			x2 ms	
· ·	uise								
C	Cash I	Drawer	1 (2PI	V):	None			•	
1	ash I	Drawer	2 (5PI	11.					
	CONTR	andre	2 (0) 1		None			-	
					None Start Do End Doc				

Custom command

Logo	Bu	izzer	Code	Page	Error	RePrint	Error	reprint watermark
Save Pa	per	r Cut Paper		Feed F	Paper	Custom Command		
		Send	When:	Start D	Docume	nt		•
1		0.61670349	4.1.275.244		ocume	nt		
				Start P End Pa				-
				End Do	ocumen	t		_
								-



Logo

Logo Buzzer Code Page Error RePrint Error reprint watermark Print When: Start Document Position Start Document O Left End Page End Document O Center NULL NULL	Save Pa	per Cu	t Paper	Feed Paper Cash		sh Dr	awer	Custom Command		
Start Document Position Start Page Image End Page End Document End Document	Logo	Buzzer	uzzer Code		le Page Error RePrint Error reprint watermark					
Position Start Page Image End Page End Document End Document		Print Whe	n:	Start Do	cume	nt			-	
		Contraction of		Start Pa End Pag	ge e					
		-	ſ	NULI		•	N	JLL	•	

Note: this setting needs to be set in utility.

① Open the utility and click "Manage Images".





(2) Click "Download".

Print Alignment
Download(D)
Print(P)
Delete Image(E)
Delete All Images
Refresh(R)

3 Click "Add" to add a logo. (BMP format is recommended)

Download image		-		x
Download image				-
Select File(E):	Add(A)	Delete(D)		
			Print preview	
Note:Use the file order NO.	of the image as a built-in printer image number.		(Image space < {0}B)	
Download mode or G	Print image after download is completed	Print Alignment		
			Gose	



elect File(F):		1.1. (5)
	Add(A) D	elete(D
C:\Users\1993\Desktop\Picture.bmp		

(4) Select the print location, and then click "Download mode of G". (Such as: left print)

Download mode of G	Print image after download is completed	Print Alignment
		Print Alignment
		Left
		Centre
		Right

(5) Return to image list to view the image number.

Note: each time click "Download mode of G", an image list number will be generated.

)	Print Alignment
	Download(D)
	Print(P)
	Delete Image(<u>E</u>)
	Delete All Images
	Refresh(R)



(6) Select Printer properties, click "Print Test Page" to view the printing effect.



General	Sharing	Ports	Advanced	Color Management	Security	About
-		TP80K				
Locatio	on:					
Comm	nent:					
Model Featu		TP80K		Paper available	er.	
0.000.00	ble-sided	: No		Custom	5,	
Stap	le: No	Stability .		72mm * 297n		
Spe	ed: Unkno	own		72mm * 420n 72mm * 3276	mm	
Max	imum re	solution	: 203 dpi	48mm * 297n	nm	-
			Pr	eferences	Print	Test Page
			90	1000 C		

HPRT

⑦ Click the "Advanced", then click "Logo".

age	Watermark	Halftone	Printer Sett	ing Barcode	About
Pap	per				
Pap	ber Name:	Custom(72.	0mm * 297.0	mm)	•
					anager
				[14]	anayei
Off	iset				
Ho	rizontal: 0.0	mm	Vert	ical: 0.0	mm
Pre	view	Rota	te	Effect	
16	PRT 1	0 0	•	Mirror	
ll ľ		0 9	Do.	Inverse	
		01	30°		
			70°	Scale: 1	00 🚔 %
	·	02	/0		Income
Cop	pies		a 1		
Co	pies: 1	· · · · · · · · · · · · · · · · · · ·		Adva	nced
1	Reverse Print	Order		Auvu	need

Save Pa	aper	Cut Paper	Feed F	Paper	Cash Dr	awer	Custom Command
Logo	Buzz	zer Code	e Page	Error	RePrint	Erro	r reprint watermark
	Print W	/hen:	Start D	ocumen	t		•
	Positi	100	Key Co	ode			
	Lef	t nter					
	🔘 Rig		NUL	L	• NI	JLL	•



(8) Set the printing time to print and click "OK". (Such as: Start Document)



(9) Return to the logo setting in driver, also select "Print left".

Print When:	Start Document
Position	Key Code
🖲 Left	
Center	
Right	NULL 🔻 NULL 🔻

1 Set the key Code according to the image number. (Such as: 0 0)

	Key Cod	e			
	48		48	1	
	0	•	0	•	
Image Li 00	st:		Print A	lignmer	ıt 🔻



①Then click "OK".

Save Pi	aner Cur	t Paper	Feed F	Paner	Cash D	rawer	Custom Comm
Logo	Buzzer		e Page	-	RePrint		r reprint waterm
	Position Left Cente Right 	r 83	Key Co	ode	4●	8	•
						OK	Cance



12 Click "Print Test Page" to view the printing effect.

eneral Sharing Ports Advanced	Color Management Security About
ТРВОК	
.ocation:	
Comment:	
Model: TP80K	
Features	
Color: No	Paper available:
Double-sided: No	Custom
Staple: No	72mm * 297mm 72mm * 420mm
Speed: Unknown	72mm * 3276mm
Maximum resolution: 203 dpi	48mm * 297mm 👻
Pre	ferences Print Test Page





Buzzer

Note: this setting need to be set in utility.

Save Pap	a Vote of the State of the	Paper	Feed Pa	aper	Cash Dr	awer	Custom Command
Logo	Buzzer	Code	Page	Error	RePrint	Erro	r reprint watermark
Beep	When:	Sta	art Docum	ent			-
	zer Style Builtin	Sta End	rt Docume Irt Page I Page I Documer	nt			
0	External		Interval	: 0.0	× (*)	sec sec	
Buz	zer ON/OF	Ŧ					
	Buzzer(C	DN)			Buzz	er(OFF)]

Code Page

Save Paper Cut		Paper	Paper Feed Pa		aper Cash Drawer		Custom Command
Logo	Buzzer	Code	Page	Error	RePrint	Erro	r reprint watermark
c	odePage:	PC43	37(std.E	urope)	*		
		Katal PC85 PC86 PC86 PC85 PC85 PC73 ISO8 WPC	7(std.E) (Ana 0(Multilii 0(Portus 3(Canad 5(Nordio 7(Turkis 7(Greek 859-7(G 1252 6(Cyrillio	ngual) guese) dian) :) h)) reek)	E		
		PC85 — PC85 KU42	2(Latin 8(Euro) 2(Thai) 1(Thai)			ОК	Cancel



Error Reprint

	aper	Cut P	aper	Feed	Paper	Cash Dr	awer	Custom Command
Logo	go Buzzer (Code	Code Page Error RePrint Error		r reprint watermark		
	Ena	able er	ror rep	rint				
	Pleas	e make	e sure t	the curre	ent firm	ware suppo ware supp t pirnt norr	orts	
	<u>8</u>							

• Error Reprint Watermark

Save Paper Cut		Paper	Feed I	Paper	Cash Dr	awer Custom Comman	
Logo	Buzzer	Buzzer Code Page Error RePrint Error rep				r reprint watermark	
	Enable er	ror repri	int wate	rmark			



3) Click "Watermark". Set watermark to print (Only BMP file can be selected).

age	Watermark	Halftone	Printer Setting	Barcode	About
-2-	1.0000000000000000000000000000000000000				
1	Natermark				
Pa	ith:				
- D-			Cine		
Pr	eview]	Size	1.14	1.2.1
			36 G 603 9	<u>A</u> (1994)	6 90 90
			Density		
			1.1.1.1.1.1	ń''	1 1 1
				ų	(); i
			Horizontal	Vertica	al
			C Left	Top	
			Center	Cen	ter
			🔘 Right) Bott	om
1					



4) Click "Halftone" to set the halftone.





5) Set up the "Barcode".

Assuming the font type of the main document is "Italics", if you want to convert the data "123456" to the barcode printing, the steps are as follows:

• Sets the data "123456" font type to a different font from the main document. Such as: Arial.





• Open the Preference.

If the document is open, you can set it in the document: file-print-preferences.

	New Ctrl+N	Help
	Open Ctrl+0	
	Save Ctrl+	
	Save As	
	Page Setup	
	Print Ctrl+l	
	Exit	
4		
nt		
TP80K	ft XPS Document Writer	
4		III. F.
itatus:	Ready	Print to file Preferences
.ocation: Comment:		Find Printer
age Range		Number of copies: 1
) Ali		
age Range All Selection	Current Page	
) Ali	Current Page	Collate



1) Add Barcode firstly.

aper	Watermark	Halftone	Printer Setting	Barcode	About
Nam	e		Symbology		
	Add Barc	ode	Edit Barcode	Delete	e Barcode
	Add bard		Luit barcoue		Barcoue



2) Set the "Font Name" and the "Barcode Option".

Font	1 Name:	01]
Barcode	e Options S	2、 ymbology: Co	de39			-
3、	Width:	Auto(3)	•	HRI Position:	Below Bars	Ŧ
	Height:	Auto(162)	•	HRI Font:	Auto	•
	-			Orentation:	0	÷
Symbol	ogy Optior	ns				
	Model:	Auto	Ŧ	Cols:	Auto(0)	
Error Co	rrection:	Auto	-	Rows:	Auto(0)	÷

per	Watermark	Halftone	Printer Setting	Barcode	About
Nam	ie		Symbology		
01		Code39			



3) Click the "Printer Setting".

• Choose the "Display Language for Properties"

Page	Watermark	Halftone	Printer Set	ting	Barcode	About
Disp	olay Language	for Proper	ties			
	English					+
For	English Chinese-Simp Chinese-Trac Japanese Spanish	lified litional				
	System Font	Subs	stitution Fon	t 🔺		
	Marlett			-	->	12
-	Arial				NULL	•
	Arabic Transpa Arial Baltic	irent				
1	< [ш	•		Se	et

• Turn on the "Font Substitution", select the system text need to be replaced (for example, Arial), and then select the font you want to replace (for example, 01) and click Settings, and the replacement font will display "01".

the steps are as follows:

Display Lar	nguage for	-		tting	Barcode	About
Englis		Properti	ies			
Englis	sh					•
Font Subst	titution					
	Eanble	e		O Di	isable	
System	n Font	Subs	titution Fo	nt 📩	Arial	
Marlett	2				->	
Arial					NULL	-
Arabic Arial Ba	Transpare altic	nt			INOLL	
		11			Se	et



Display Language for Properties English	•
English	•
Font Substitution	
eanble	
1 System Font Substitution Font Arial	
Marlett ->	
Arial	•
Arabic Transparent	
< □ Set	



Paper	Watermark Hal	Iftone Printer Setting	Barcode About
Disp	olay Language for I	Properties	
	English		•
Fon	t Substitution		
	Eanble	0	Disable
	System Font	Substitution Font	Arial
	Marlett		->
	Arial		NULL
	Arabic Transparen	t	NULL
	Arial Baltic		FontA
	< [
	(<u> </u>		FontB 01 2

1		1		Set
Arial Baltic			+	3、
Arabic Tran	sparent			U1 🗸 🗸
Arial				G
Marlett			_	->
System For	it	Substitution Font	6	Arial



Watermark	Halftone	Printer S	etting	Barcode About
ay Language	for Propert	ties		
English				-
Substitution				
Ear	nble		© D	isable
ystem Font	Subs	stitution Fo	ont 🔺	Arial
- Baller - Caller				->
				NULL
ri <mark>al B</mark> altic	rent		+	
			•	Set
	English Substitution © Ear ystem Font larlett rial rabic Transpa rial Baltic	English Substitution © Eanble ystem Font Subs larlett rial Trabic Transparent rial Baltic	Substitution	English Substitution © Eanble © D ystem Font Substitution Font larlett rial 01 rabic Transparent rial Baltic





- If you do not have a barcode set, the action is as follows:
- 1) Suppose you change the size of the data "123456", for example:

Font:		Font style:		Size:	
Arial		Bold		10	
Arial Calibri	â	Regular Italic	*	10 11 12	•
Cambria Cambria Math		Bold Bold Italic		14 16	-
Candara		Black		18 20	
Comic Sans MS	*	Black Oblique	*	20	

2) Set the Printing preferences.

Select Printer	
Microsoft XPS Document Writer	
1980K	
•	
Status: Ready	
Location:	Print to file Preferences
Comment:	Find Printer
Page Range	
All	Number of copies: 1
Selection	
O Pages:	Collate



- 3) Click the "Printer Setting".
- Choose the "Display Language for Properties".

Page	Watermark Half	tone Printer Setting	Barcode About
Dis	play Language for P	roperties	
	English	9A	÷
	English		
For	Chinese-Simplified Chinese-Tradition Japanese Spanish	al	
	System Font	Substitution Font	
	Marlett		->
	Arial		
	Arabic Transparent		NULL -
	Arial Baltic		
	<		Set
	Lat. Annual State		

4) Turn on the "Font Substitution".

🔘 Disable



5) Select the "System Font", for example: Arial.

Paper	Watermark	Halftone	Printer Setting	Barcode	About
Disp	olay Language	for Proper	ties		
	English				-
Fon	t Substitution				
	Ear	nble	O D	isable	
1.	System Font	Sub	stitution Font	Arial	
	Marlett			->	
	Arial Arabic Transpa Arial Baltic	irent		NULL	•
	< []	ш	E F	Se	et



6) Select the font to that you went to replace.

Paper	Watermark	Halftone	Printer Setting	Barcode A	bout
Disp	olay Language	for Propert	ties		
	English				•
For	t Substitution				
	Ear	ıble	0	Disable	
	System Font	Subs	stitution Font	Arial	
	Marlett			->	
	Arial			[NILIT.	
	Arabic Transpa	rent		NULL	_
	Arial Baltic				
	< [111	۱.	FontB	
				2、	
				_	



7) Click "Set".

-		Printer Settin	9 Barcode	About
y Language	for Proper	ties		
English				•
Substitution				
Ear	ıble	C) Disable	
stem Font	Subs	stitution Font	▲ Arial	
arlett				>
ial				
	rent		FONTA	
			-	
	.00	•		Set
	© Ear © Ear stem Font arlett	© Eanble stem Font Sub- arlett al abic Transparent ial Baltic	Substitution Eanble Stem Font Substitution Font arlett al abic Transparent al Baltic	© Eanble © Disable Stem Font Substitution Font Arial alial abic Transparent al Baltic



Paper	Watermark	Halftone	Printer Setting	Barcode About
Disp	ay Language	for Proper	ties	
	English			-
Fon	t Substitution			
	Ear	nble	0	isable
	System Font	Subs	titution Font	Arial
	Marlett		21	->
-5	Arial	Font	A	FontA 👻
	Arabic Transpa Arial Baltic	arent		
1	()			Set
	• [Set





9.5.2 Other Settings

1) Click "Start"→"Devices and Printers". Right click "TP80K" and choose "Printer properties".



2) Choose "General", click on "Print Test Page", then it will print the current settings.

ieneral Sharing Ports Advanced	Color Management Security About
ТР80К	
Location:	
Comment:	
Model: TP80K Features Color: No	Paper available:
Double-sided: No	Custom
Staple: No	72mm * 297mm 72mm * 420mm
Speed: Unknown Maximum resolution: 203 dpi	72mm * 3276mm 48mm * 297mm
Pr	eferences Print Test Page



3) Click "Port" to change the other connecting port.

Print to the f checked port		Documents will print t	o the first free	
Port	Description	Printer		*
LPT3:	Printer Port			L
COM1:	Serial Port			
COM2:	Serial Port			Ξ
🔲 СОМЗ:	Serial Port			
COM4:	Serial Port			
FILE:	Print to File			
USB001	Virtual printer p	ort for TP80K		-
Add P	Port	Delete Port	Configure Port	
Add P	'ort	Delete Port	Configure Port	





4) Click "Advanced" to set the available time for using.

General Sh	aring Ports	Advanced	Color Managemen	Securi	ty About
Always	available				
Availab	ole from	12:00 AM	To	12:0	MA 00
Priority:	1				
Driver:	TP80K				N 81
) Sta		er last page mediately	am finishes printii is spooled	ng faster	New Driver
 Sta Sta Print d 	print docume rt printing aft rt printing im	er last page mediately printer		ng faster	
© Sta © Sta © Print d — Hold n	print docume rt printing aft rt printing im irectly to the	er last page mediately printer ocuments		ng faster	
Sta Sta Print d Hold n Print sp Keep p	print docume rt printing aft rt printing im irectly to the nismatched d pooled docum rinted docum	er last page mediately printer ocuments nents first nents	is spooled	ng faster	
Sta Sta Print d Hold n Print sp Keep p	print docume rt printing aft rt printing im irectly to the hismatched d pooled docum	er last page mediately printer ocuments nents first nents	is spooled	ng faster	



9.6 Uninstall Windows Driver

1) Double click Windows Driver, and then click "OK".



2) Choose "Uninstall printer driver", then click "Next".

Select operation	n of install
Please select 1	ne operation as you need.
	Tratal printer driver
	 Install printer driver Please connect your printer to the PC and turn it on.
	Our Uninstall printer driver
	Uninstall the printer driver and components which printer selected.



3) Choose "TP80K", then click "Next"

Uninstall - HPRT POS Printer Driver v2.7.3.0	
Uninstall printer driver Please select the printer driver name needed to uninstall.	
Delete all printer drivers and its components	
ITP80K	
< Back Ne	xt > Cancel

4) Then it is complete to uninstall.



9.7 Specification

Resolution:

203×203dpi

Paper Size:

Custom (72.0mm * 297.0mm)

72mm*297mm

72mm * 420mm

72mm * 3276mm

48mm * 297mm

48mm*420mm

48mm*3276mm