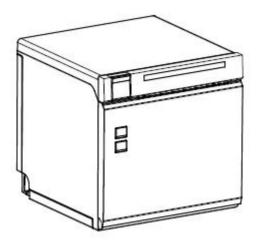


MX-55 ENTPlus

User Manual



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Statement

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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 continuous improvement of the products, the specifications, accessories and procedures described in the manual are based on actual machines. And it may be changed without prior notice

Important Safety Instructions

1. Safety Warning



The print head will become very hot during printing, please do not touch the print head and peripheral parts during printing and printing just finished.

Please do not touch the print head and connectors, in case that static damages print head.

2. 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) 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.
- 9) 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.
- 11) 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.

3.Other Precautions

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4.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 other 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

MX-55 ENTPlus 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.

MX-55 ENTPlus can connect with other equipment through serial, USB and Ethernet 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

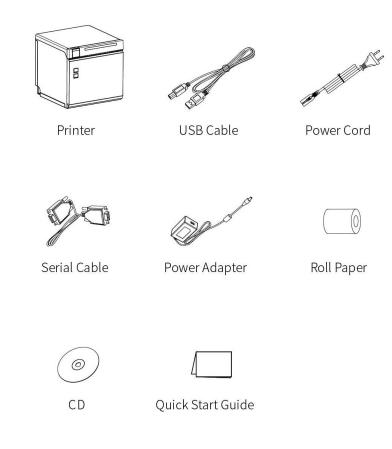
- 1) Low noise
- 2) High print speed
- 3) Easy paper loading
- 4) Support page mode printing
- 5) Compatible with various width paper
- 6) Cash drawer interface
- 7) Communication interfaces optional

2 GETTING STARTED

2.1 Packing List

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

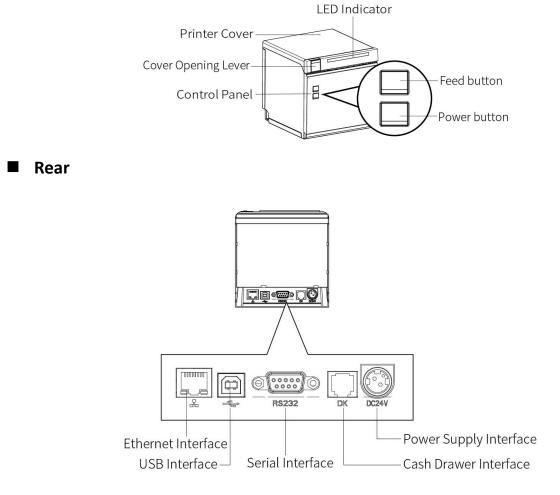
- 1) Check the outside of the box and the printer for possible damage.
- 2) Check whether you have received the following accessories together with the printer, if there are any items missing, please contact your local dealer.



Note: The power adapter and power cord vary by country or region.

2.2 Appearance and Components

Front



Inside



3 SPECIFICATIONS

3.1 Printer Specification

	Item	Parameter
	Printing Method	Direct thermal line printing
Printing	Resolution	203dpi, 8dots/mm
	Printing Width	72mm
Parameter	Print Speed	260mm/s
	Interface	USB, Serial, Ethernet, Cash drawer
	Print density	Adjustable from level 1 to level 4
Page Mode		Support
Memory	RAM	2МВ
Welliory	Flash	4MB
	Chinese	GBK 24×24
	Alphanumeric	ASC II 9×17,12×24.
	User-defined	Support
Fonts	Code page	Optional international character sets: 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), WPC1250(Latin 2), 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

Table3-1 General Specification

	Item	Parameter
	1D	UPC-A, UPC-E, EAN8, EAN13, CODE39, ITF, CODEBAR, CODE128
Barcode	2D	PDF417, QR code
Graphics		Support downloading and printing bitmaps of different density and user-defined. The total memory for bitmap is 256K.
Detection	Sensors	Paper out detection, Cover open detection
LED Indicato	r	There are different light colors: blue, green, red and purple, depending on different statues of printer.
Power	Input	AC100V-240V
Supply	Output	24V 2.5A
	Paper type	Specified Thermal Paper
	Paper width	58^{+0}_{-1} mm/ 80^{+0}_{-1} mm
	Paper thickness	0.056 ~ 0.13mm
Paper	Roll paper diameter	Max. OD
	Paper load	Easy-loading structure of forward open cover or upward open cover
	Paper cut	Partial cut or full cut
Physical	Operating condition	0°C ~ 40°C, 20% ~ 85%RH
-	Storage condition	-20℃ ~ 70℃, 5% ~ 95%RH
Spec.	Dimensions	136.8(L)*132(W)*130.5(H)mm
	Weight	1.33kg
Command		ESC/POS
Software	Driver	Windows2000/XP/Vista/Win7/Win8/Win10/POSReady/Linux CUPS/OPOS/ JavaPOS
	SDK	WinCE, Win Mobile, Android, iOS

3.2 Printing Media Specification

3.2.1 Continuous Thermal Paper Specification

Paper Type : Specified Thermal Paper

Paper Width $:58^{+0}_{-1} \text{ mm} / 80^{+0}_{-1} \text{ mm}$

Paper Outer Diameter : Max. 83 mm

Paper Thickness $m : 0.056 \ \simeq \ 0.13 mm$

Paper Type	Manufacturer
FD210, PD150R, PD160R	OJI Paper CO., LTD.

3.2.2 Notices

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

> Do not stick the paper on the roll paper mandrill.

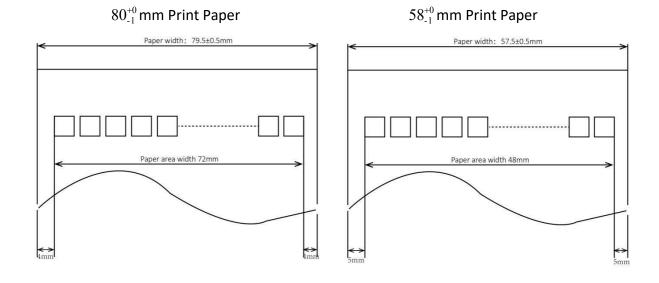
> If the thermal paper is polluted by chemical or oil, the thermal paper heat sensibility decreases, which will influence the printing quality.

> Do not use finger nail or hard articles to touch the surface of thermal paper, otherwise it will cause color fading.

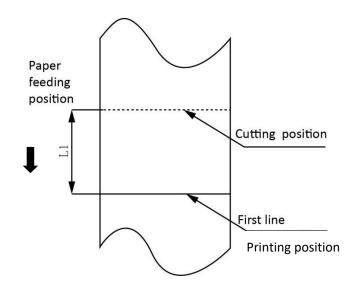
> When the environment temperature is higher than 70°C, the thermal paper color will fade, so pay attention to the influence of temperature, humidity and sunlight.

3.3 Printing and Cutting Position

3.3.1 Printing Position



3.3.2 Cutting Position



Туре	Paper Cutting Position(L1)
MX-55 ENTPlus	11.6mm

4 INSTALLATION AND USAGE

4.1 Media Loading

4.1.1 Paper Confirmation

- 1) When using 80mm(width) roll paper, take down the paper guide of both sides.
- 2) When using 58mm(width) roll paper, insert the paper guide to each side.

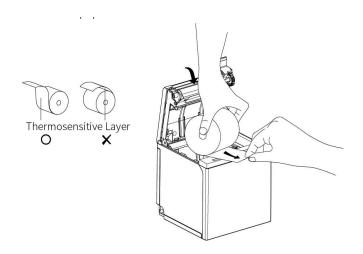


4.1.2 Paper Installation

- 1) Pull the cover open lever to open the printer cover.
- 2) Remove the used roll paper core, if any.



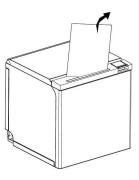
3) In the correct direction of the roll paper, load the paper.



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



5) Tear the extra paper in the direction of printer.



Notes:

- 1) Adjust the paper guide according to the paper size.
- 2) Make sure the paper inside is at tight status, or it will cause paper jam or other fault.

4.2 LED Indicator and Beeper

Function specification of indicator light and beeper.

LED Indicator	Printer Status
Red (Flash)	Wrong status (cutter jam, over temperature, paper end and so on)
Purple (On)	Paper near end, and printer is working normally
Blue (On)	Printer is busy
Green (On)	Printer is ready and in idle status

Printer Status	LED Indicator	Beeper
Printer cover is open	Red (Flash)	"Веер, Веер—, Веер"
Paper sufficient	Green (On)	Silent
Paper end	Red (Flash)	"Веер Веер Веер".
Cutter jam	Red (Flash)	"Beep—, Beep—"

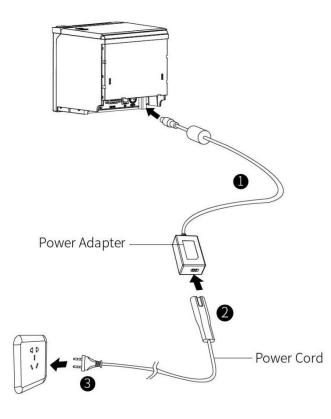
 \wedge

Note: The printer uses a thermistor to detect the temperature of the print head. If the temperature of print head is more than 65 $^{\circ}$ C, printer will send a warning. If the temperature of print head is more than 80 $^{\circ}$ C, printer will stop working until the temperature is less than 60 $^{\circ}$ C.



4.3 Power Connection

- 1) Connect power adapter to printer.
- 2) Connect power adapter to the power cord.
- 3) Plug the other side of power cord into the socket outlet.





- 1) The power adapter and power cord vary by country or 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.



Notes:

1) Please only use the power adapter recommended by supplier or equivalent products.

2) When disconnecting the power adapter plug, handhold plug connector housing and avoid 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 in a long time, disconnect the power supply of printer power adapter.

4.4 Interface Cable Connection

- 1) Make sure the printer's power switch is turned off.
- 2) Put the interface cable into the matched interface and fixed with screws (or spring) on the plug.
- 3) Connect the other end of the interface cable to the host.

4.5 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.)

4.6 Print Test

4.6.1 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 power 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.

4.6.2 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 "Interface" as the type you use.
- 3) Use the Windows Driver Program to print out the "Print Test Page".



5 INTERFACES

MX-55 ENTPlus supports cash drawer interface and many other various communicate interfaces, such as Serial interface, USB interface, Ethernet interface.

5.1 USB

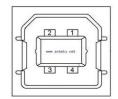


Figure 5-1

PIN	SIGNAL NAME
1	VBUS
2	D-
3	D+
4	GND



5.2 Serial Interface

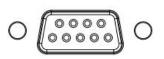


Figure 5-2

PIN	SIGNAL NAME
1	-
2	TXD
3	RXD
4	-
5	GND
6	RTS
7	CTS
8	RTS
9	-



5.3 Ethernet Interface



PIN	SIGNAL NAME
1	TX+
2	TX-
3	RX+
4	-
5	-
6	RX-
7	-
8	-

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.



5.4 Cash Drawer Interface



Figure 5-4

PIN	SIGNAL NAME
1	FG
2	Drawer 1
3	DRSW
4	VDR
5	Drawer 2
6	GND
5	SND

Electrical characteristics

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

Drawer check signal: "L" = $0 \sim 0.5 \text{ V}$ "H" = $3 \sim 5 \text{ V}$



5.5 Power Supply Interface

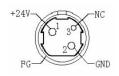


Figure 5-5

PIN	SIGNAL NAME
1	+24V
2	GND
3	N.C
SHELL	F.G

Printer end-Unetop DC-002 or similar products, user end-Unetop DC-002 or similar products.

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
	Printer has no power	Connect printer to power supply
LED indicator is off, printer is not working	Printer is turned off	Turn on the printer
	Circuit board is broken	Contact with the dealer

6.2 LED Indicator and Beeper

Problem Description	Probable Reason	Solution
Purple LED is always on	Paper near end	The roll paper is near end, the printer can work normally
	Paper end	Load the roll paper
Red LED flashes and beeper alarms	Thermal print head is overheated	Turn the printer off and resume when it cools
	Over-voltage	Print with specified voltage
	Cutter jam	Open the printer cover and the cutter would go back to home position
	Cover is open	Close the cover

6.3 Troubles Occur During Printing

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



 $\hat{igsambol{M}}$ Note: About the density setting, please refer to chapter 8.



6.4 Problems Emerge During the Paper Cutting

Problem Description	Probable Reason	Resolution
Cutter jam, the movable cutter cannot	Cutter abrasion, insufficient cutting	Replace the cutter
	Worm gear and worm wheel abrasion	Replace the worm gear and worm wheel
go back	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 is 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.



Note: About the density setting, please refer to chapter 8.

6.5 Removing Jammed Paper

 $^{ar{}}$ Warning: Do not touch the thermal print head because it becomes very hot after printing.

If the printer cover can be opened, operate it according to the next steps.

1) Turn off the printer and pull open cover button.

2) Remove jammed paper, reinstall the roll, and close the printer cover.

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.
- 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

- 1) 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 is completely dry.

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



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) Click "Next".





4) Select destination location. Click "Next".

Setup - XVCUtilitySetup	
Select Destination Location Where should XVCUtilitySetup be installed?	
Setup will install XVCUtilitySetup into the following folder.	
To continue, dick Next. If you would like to select a different folde	r, dick Browse.
C:\Program Files (x86)\XVCUtilitySetup	Browse
At least 126.9 MB of free disk space is required.	
< Back Ne	ext > Cancel

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

Setup - XVCUtilitySetup	- C X
Select Start Menu Folder Where should Setup place the program's shortcuts?	
Setup will create the program's shortcuts in the following Sta To continue, click Next. If you would like to select a different folder,	
XVCUBity	Browse
< Back Next	> Cancel



6) Click "Install".

Setup - XVCUtilitySetup		• 🔀
Ready to Install Setup is now ready to begin installing XVCUtilitySetup on your computer.		
Click Install to continue with the installation, or click Back if you want to re- change any settings.	view <mark>o</mark> r	
Destination location: C:\Program Files (x86)\XVCUtilitySetup Start Menu folder: XVCUtility		*
*	Þ	*
< Back Install		ancel

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 MX-55 ENTPlus (Windows 7) for example.

8.2.1 Add/Modify/Delete/Connect Printer

8.2.1.1 Add printer

1) Click "Add Printer".

Select Language	
Printer List:	
MX-55 ENTPlus USB Auto	Add Printer
	Modify Printer
	Delete Printer
	Connection Test
Manage Images	Download Image In Compatible Mode
	Compatible Mode
Code Page Setting	Download Fonts
Parameter Setting	Advanced Settings
FW Update	Close

2) Choose the appropriate printer type and port. Then click "OK". (Take MX-55 ENTPlus for example.)

^o rinter driver:	MX-55 ENTPlus
PortInfo	
Port type:	USB
	antification and
Automatic id	enuncation port.
Automatic id	enuncation port.
Automatic id	enuncation port.
Automatic id	enuncauori port.
Automatic id	



8.2.1.2 Modify printer

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

Printer Utility Version 1.0.0.0	
Select Language	
Printer List:	
MX-55 ENTPlus USB Auto MX-55 ENTPlus USB MX-55 ENTPlus	Add Printer
	Modify Printer
	Delete Printer
	Connection Test
Printer Test	Command Test
Manage Images	Download Image In Compatible Mode
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:	MX-55 ENTPlus
PortInfo	
Port type:	USB 🗸
Automatic ide	
	COM LPT
Notes:	
	OK Cancel

3) The new printer is added successfully.

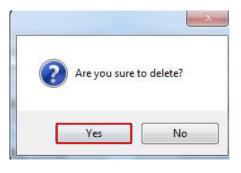


8.2.1.3 Delete printer

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

 Printer Utility Version 1.0.0.0 Select Language Printer List: 	
MX-55 ENTPlus COM COM1,BaudRate_1 MX-55 ENTPlus USB MX-55 ENTPlus	9200,None,One Add Printer Modify Printer
	Delete Printer
	Connection Test
Printer Test	Command Test
Manage Images	Download Image In Compatible Mode
Code Page Setting	Download Fonts
Parameter Setting	Advanced Settings
FW Update	Close

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 Utility Version 1.0.0.0	
Select Language	
Printer List:	
MX-55 ENTPlus USB MX-55 ENTPlus	Add Printer
	Modify Printer
	Delete Printer
	Connection Test
Printer Test	Command Test
Manage Images	Download Image In Compatible Mode
Code Page Setting	Download Fonts
Parameter Setting	Advanced Settings
FW Update	Close



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
- Code Page Setting
- 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	Full Cut Test
Partial Cut Test	Print Barcode
Print Text Test	2D Code Test
int Available Code Pages	Printer Status

2) Full Cut Test

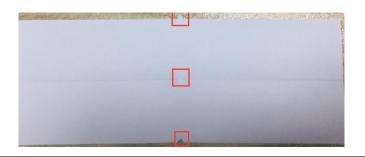
Click the "Full Cut Test" and the paper will be cut automatically. Cutting method is full-cutting. The paper would be falling down from the paper outlet after cutting.

3) Partial Cut Test

Click the cutter test and the paper will be cut automatically. Cutting method is partial cut.

(Partial cut: not full cut. A small connection point will be left between the two sheets of paper.)

As shown in the figure:





4) 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)



5) 2D Code

Click the QRCode mode.

D Code Test	
QRCode PDF417	
Model:	2 🔹
Module size:	3 🗢
Error correction level:	L 7% 🔻
Data:	*
Data:	Close(C)

▲ Model: 1~2



▲ 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.

L	7%	-
L	7%	
M	15%	
Q	25%	
Q H	30%	

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
- ▲ 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	Response of		x
		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:		(P- 1	Send (S)
neceive Data.		Read	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.

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
Send (S)
Clear (CL)
Close (C)



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 3000 Mark Send And Receive Data Recive Data Length: 256 Clear After Sending
Receive Data: Read	Clear(<u>C</u> L)
	Close(C)



8.2.2.3 Manage Images

	Print Alignment
	Download(D)
	Print(P)
	Delete Image(E)
	Delete All Images
	Refresh(R)
Total space:25 Already loaded	ikb,Free space:256kb; :0.

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)

Prin	nt preview
 	ace < {0}B)
er image number. completed Prin	er image number. (Image sp

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 NK	0. of the image as a bu	Download success	Print Alignment	(Image space < 40960B)
Juccess!		ОК		





3) Delete Image.

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

00 01	Print Alignment
02 03	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 Code Page Setting

Code Page Setting	•
Code Page Setting Code Table: Set Close Close Close Close Close Close Close Clo	
PC720 WPC775 PC855(Cyrillic) PC862(Hebrew) PC864(Arabic) ISO8859-2(Latin2) ISO8859-15(Latin9) WPC1250 WPC1251(Cyrillic) WPC1253 WPC1254 WPC1255 WPC1255	

Select the code page from the list and click "Set".

Note: This code page is only valid in multiple languages.



8.2.2.5 Download Fonts

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

ownload Font To Printer	deservice.	×
Download Font		
Select Fonts:		
Download(<u>D</u>)		
		Close

∕∧ _{Note:}

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



8.2.2.6 Parameter Setting

You can set Arabic Character Transform (for example: WPC1256).

inter Paramete	er settings	×
Arabic Charact	er Transform	
Oisable		
Enable de	formation, per Voc	
Enable de	formation, per phrase	
Enable Ar	abic rule	
Take Paper Se	ISOF	
Enable Ena	🔘 Disable	
Language Mod	e	
Language:		-
	Simplified Chinese — Traditional Chinese Multi language	

8.2.2.7 Advanced Setting

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

Function Setting	Reduction Paper Setting
DIP Setting	Paper Width Setting
Ethernet Setting	USB Port Setting
Black Mark Setting	Bluetooth Setting
Length Of Print	Cut Paper Config
Wifi Setting	



• Function Setting

Choose the item and click "Setting".

inction Settings		e
Long Beeping After Cutting		
🧿 Disable		
🔘 Vse printer buzzer		
🔘 Use printer buzzer and e	xternal buzzer	Setting
Printer Buzzer		
Beeping times: 1] (1-63)	
Beeping time:	[](1−255)(100ms)	
Beeping interval:](1-255)(100ms)	
External Buzzer		
Beeping Times: 1](1-63)	
Buzzer Volume		
🔘 Very Low 🔘 Low 🧕	Standard 🔘 Loud	Setting
Power-on Model		
Chinese Mode(Z)	English Mode(V)	
Paper Near-End Sensor Status	s	
Enable	Disable	
		Close(C)



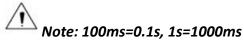
• Long Beeping After Cutting:

- 1 **Disable:** There is no sound after cutting.
- 2 Use printer buzzer (The beeping time, times and interval time can be set for what you want, such as 2 milliseconds, 3 milliseconds or 4 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.

Printer Buzzer	
Beeping times:	1 (1-255)
Beeping time:	2 (1-255) (100ms)
Beeping interval:	3 (1-255) (100ms)



Buzzer Volume:

Buzzer Volume				
Very Low	🔘 Low	Standard	O Loud	Setting

The "Very Low" is the minimum sound, and the "Loud" is the maximum sound. You can select a volume level and click "Setting" to print (Default: "Standard" level).

• <u>Reduction Paper Setting</u>

Choose the item and click "Setting".

	10	
Reduction Of Excessive Top Margin:	Off	-
Reduction Of Excessive Bottom Margin:	Off	Ŧ
Reduction Vertical Spacing:	None	
Reduction Line Feeds:	None	•
Reduction Height Of Barcode:	None	•
Setting	Lose	

DIP Setting

Click "Read" to get the printer parameters, click "Write" to send the modified parameters to the printer.

rt: Ethernet And COM	💟 Memory Switch Mode	e Set	
inter hardware setting			
Auto Line Feed	Internal Buzzer Control	Auto Cutter	BUSY Condition
🧿 Disable	🔘 Disable	🔘 Disable	🔘 Receive Full Buffer
🖱 Enable	Enable	Inable	Offline
Print Density	DPI Mode	Language Mode	
🖱 Light 🛛 🔘 Medium	🔘 180 DPI	🔘 Chinese, Japa	anese, Korean Mode
🧿 Standard 🛛 Dark	203 DPI	◙ Multi-language Mode	
M Settings			
	ta Length: Parity	Check:	Handshaking:
15200 🔹 🛛 🔹	oits 👻 No	•	DTR/DSR 🔻



After the serial port parameter is set, click "Write".

ort: Ethernet And COM	📝 Memory Switch Mode	e Set	
rinter hardware setting			
Auto Line Feed	Internal Buzzer Control	Auto Cutter	BUSY Condition
💿 Disable	🔘 Disable	🔘 Disable	🔘 Receive Full Buffer
🔘 Enable	enable	enable	Offline
Print Density	DPI Mode	Language Mode	
🖱 Light 🛛 🔘 Medium	🔘 180 DPI	🔘 Chinese, Japa	anese, Korean Mode
🧿 Standard 🔘 Dark	203 DPI	Inti−language Mode	
DM Settings aud Rate: Da	ta Length: Parity	Check:	Handshaki ng:
	its 🔹 🔊	•	DTR/DSR -

art the printer!
ОК

Note: When DIP setting is set in soft, the DIP switch in the bottom of printer is disable. After setting the DIP successfully, you need to restart the printer before using it.



• Printer hardware setting

1) Print Density: Light, Medium, Standard, Dark (default "standard" level)

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

2) DIP Mode: 180/203DPI (default "203 DPI")

The printer supports both of the resolutions.

3) Language Mode:

Chinese, Japanese, Korean mode (default) Multi-language mode

• COM Setting

- 1) Baud Rate: 2400, 4800, 9600, 19200, 38400, 57600, 115200
- 2) Data Length: 7bits, 8bits
- 3) Parity Check: No, EVEN, ODD
- 4) ADDC: DTR/DSR, XON/XOFF

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

E.g: Self-test page (Serial 115200, None, 8, 1, DTR/DSR)

Baud Rate: 115200

Parity Check: None

Data Length: 8bits

Stop Bits: 1

ADDC: DTR/DSR

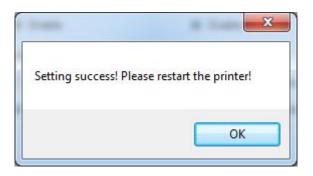
Note: When the DIP setting is set in memory switch mode, the DIP switch at the bottom of the printer need to be disabled.



• Modify the COM setting

COM Settings			
Baud Rate:	Data Length:	Parity Check:	Handshaking:
57600	▼ 7bits	▼ No	▼ DTR/DSR ▼

1) After setting the parameters as required, click "Write" and restart the printer.



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

Printer List:	
MX-55 ENTPlus USB MX-55 ENTPlus	Add Printer
	Modify Printer
	Delete Printer
	Connection Test

3) Select the port category "COM" and set the baud rate to the value "57600" as shown above,

and parity "None". This port allows you to print after setup is complete.

Port type:	СОМ	-
System Port:	COM1	
Baud rate:	57600	•
Parity:	None	•
Stop Bits:	1	

Paper Width Setting

Choose the item and click "Setting".

Paper Width:	80mm(576dot)	•
	58mm(360dot) - 58mm(384dot)	
	5, 58mm(416dot) 80mm(512dot)	

- 58mm (360dot)
- (2) 58mm (384dot)
- (3) 58mm (416dot)
- ④ 80mm (512dot)
- (5) 80mm (576dot)

Note: Select the paper width above according to the paper print width.



Ethernet Setting

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.	
<u>/:</u>	Note: IP addresses can be obtained from the Self-test page.	

Ethernet Setting		×
Board Type:	Ethemet And COM	
Board Soft Version:	V2.00.05	Close
Ethernet Setting		
DHCP:	Auto Assignment IP 🛛 🔻	
IP address:	Static IP Model Auto Assignment IP	
Subnet mask:	255 . 255 . 255 . 0	
Default gateway:	10 . 0 . 21 . 1	Set
MAC:	D8 : 80 : 39 : 78 : 5F :	AA

- 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:

bard Type:	Eth	d C									
ard Soft Version:	V2.	00.0)5					Į.			Close
emet Setting											
HCP:	Stati	c IP	Mod	lel			•]			
P address:	192		168		0		33				
Subnet mask:	255		255		255		0]		_	
Default gateway:	10		0	3	21		1	1			Set
MAC	D8	. [80		39	1	78]: [5F	٦. [AA	

Figure	•	Printer IP	Address
--------	---	------------	---------

neral	
his capability. Otherwise, you	d automatically if your network supports need to ask your network administrator
or the appropriate IP settings.	
Obtain an IP address auto	matically
O Use the following IP addre	ISS:
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 addres	s automatically
Use the following DNS server	
Preferred DNS server:	10 . 10 . 0 . 2
Alternate DNS server:	10 . 10 . 29 . 2
	it Advanced

Figure • Host IP Address

eneral	
this capability. Otherwise, you for the appropriate IP settings <u>O</u> btain an IP address auto	omatically
 Use the following IP address: 	10 . 0 . 21 . 89
Subnet mask:	255, 255, 255, 0
Default gateway:	10 . 0 . 21 . 1
 Obtain DNS server addres Use the following DNS ser Preferred DNS server: Alternate DNS server: 	a conservation of the rest of the
	it Advanced

Figure • Host IP Address

2) Set the same network segment.

Board Type: Board Soft Version:	Eth	em	et An	d C		_				
	V2.	00.	05				Close			
Ethemet Setting										
DHCP:	Stati	Static IP Model]	_	
IP address:	10		0		21		33]		
Subnet mask:	255	•	255		255		0		_	
Default gateway:	10		0		21	2	1			Set
MAC:	D.9		on	1	29	1	78	: 5F	. ΔΔ	1

Figure • Printer IP Address



• Auto Assignment IP

This mode automatically assigns the IP address to the printer.

Board Type:	Ethemet And COM	
oard Soft Version:	V2.00.05	Close
Ethemet Setting		
DHCP:	Auto Assignment IP	
IP address:	10 . 0 . 21 . 33	
Subnet mask:	255]. 255]. 255]. 0	
Default gateway:	10 . 0 . 21 . 1	Set
MAC:	D8 : 80 : 39 : 78 : 5F	AA

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

USB Port Setting

USB Port Setting	— X
USB Setting	USB
Setting(S)	Close(C)

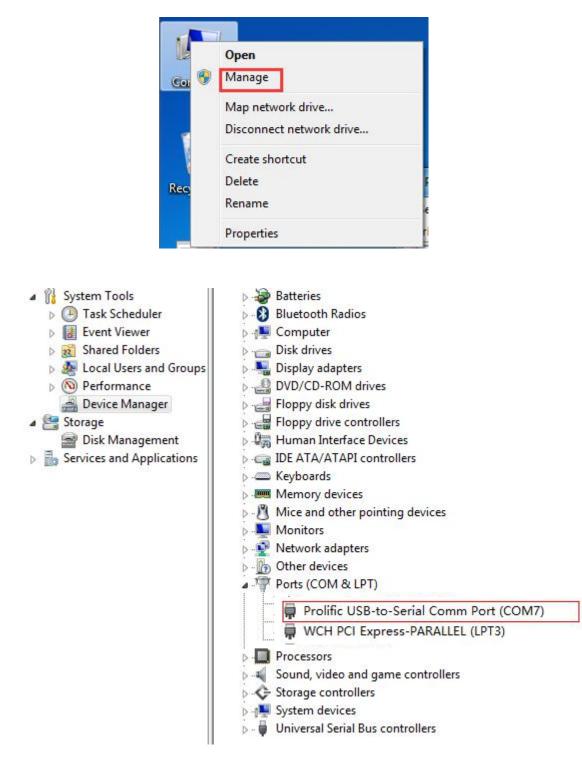
Click "Virtual serial port" setting and restart the printer.

-	x
Setting success! Please	restart the printer!
	ОК



• Check the Virtual Serial Port

- 1) Right-click the computer and select "Manage".
- 2) Click "Device Manager" to view the virtual port. (such as: COM7).



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

Printer Utility Version 1.0.0.0	
Select Language	
Printer List:	
MX-55 ENTPlus USB MX-55 ENTPlus	Add Printer
	Modify Printer
	Delete Printer
	Connection Test
Manage Images	Download Image In Compatible Mode
Code Page Setting	Download Fonts
Parameter Setting	Advanced Settings
FW Update	Close



4) Change the port to "COM7".

Port type:	СОМ	
System Port:	COM7	•
Baud rate:	19200	•
^p arity:	None	-
Stop Bits:	[1	+
Notes:		



When using black mark paper, the black mark can be set, and the printer will automatically locate the black mark position.

Print Start Position: 0 (>=-14mm) Cutter Start Position: 0 (>=-25mm) I Black Mark Auto Locate I Cut Paper After Black Mark Auto Locate	✔ Use Black Mark Black Mark Setting		
📝 Black Mark Auto Locate	Print Start Position:	0	(>=-14mm)
_	Cutter Start Position:	0	(>=-25mm)
	_		auto Locate

1) Print start position (>=-14mm)

>=14mm: the start position of printing is at least 14mm from the bottom edge of the black mark paper.

2) Cutter start position (>=-25mm)

>=-25mm: the position of cutter is at least 25mm from the bottom edge of the black mark paper.

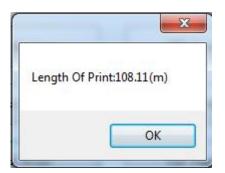
Bluetooth Setting

In the below window, type in the new Bluetooth name and password, then click "Set" and restart the printer to take it into effect.

Bluetooth Name:	BT Printer	(<=10 ASCII Chars)
Password:	0000	(4 Numeral)
Simple Pairing		

Note: when "Simple Pairing" is ticked, the password is not needed for Bluetooth connection. When "Simple Pairing" is not ticked, the password is needed for Bluetooth connection.

Length Of Print



Cut Paper Config



- 1) Cut paper after the cover is closed: The printer automatically cuts paper after closing the cover.
- 2) Do not cut paper after the cover is closed: The printer does not automatically cut paper after closing the cover.
- 3) Cut paper when power on: The printer automatically cut paper after the printer is power on.
- 4) Do not cut when power on: The printer does not automatically cut paper after the printer is power on.



• <u>Wi-Fi Setting</u>

Following steps take MX-55 ENTPlus as an example. All the settings are effective only on the printers with Wi-Fi function.

Scan
~
~
~
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
~
Show password
Set

1) Click "Read" to obtain the current status of printer.





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

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

WIFI Config	$\times$
Module MAC:	88:83:5D:E4:DE:13
Module Version:	4.0.7
Wifi Mode:	AP ~
SSID:	POS_WIFI
IP Address:	192. 168. 1. 1
Channel:	6 ~
Encryption Mode:	WPA2PSK V
Password:	****
	Show password
Read	Set
	Restore Factory Setting

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"
Encryption Mode	Supports "Open" and "WPA2PSK" mode, default as "WPA2PSK (Default password is 12345678)"

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

WIFI Config	×
Module MAC:	38:83:5D:E4:DE:13
Module Version:	4.0.7
Wifi Mode:	AP v
SSID:	POS_WIFI
IP Address:	192. 168. 1. 1
Channel:	6 ~
Encryption Mode:	WPA2PSK ~
Password: *******	
	Show password
Read	Set
1	Restore Factory Setting

2 Change from AP mode to STA mode.

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

odule MAC:         88:83:5D:E4:DE:13           odule Version:         4.0.7		
STA		
STA AP		
	POS_WIFI	~
	Enable	~
	192.168.1.1	
	WPA2PSK	~
nod:	AES	~
	*****	
	Show password	
	Se	et
	4.0. STA STA AP	4.0.7 STA STA AP POS_WIFI Enable 192.168.1.1 WPA2PSK AES ******** Show password



•Click "Scan", choose a connectable "hot spot" from SSID options. Enter the password of Wi-Fi that you want to connect to.

•Click "Set". After it is set successfully, the printer would restart automatically.

		Ó	×
le MAC: 88:83:5D:E4:DE:13			
4.0.	). 7		
STA			~
		Scan	]
	Public	~	]
	Enable	~	
	192.168.1.80		
	WPA2PSK	~	
od:	AES	~	
	12345678		]
	🗹 Show password		
		Set	]
Rest	ore Factory Setting	5	
	4. 0. STA	4. 0. 7 STA Public Public Enable 192. 168. 1. 80 WPA2PSK AES 12345678 Show password	88:83:5D:E4:DE:13 4.0.7 STA Scan Public V Enable V 192.168.1.80 WPA2PSK V od: AES V 12345678 Show password

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
Auth Mode	Parameter of the router, which is read automatically, no need to do the setting
Encryption Method	Parameter of the router, which is read automatically, no need to do the setting
Key ID	Parameter of the router, which is read automatically, no need to do the setting; It is effective only when the Auth Mode is SHARED with the Encryption Method WEP.



• 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".

Printer List:	
MX-55 ENTPlus   TCP/IP   192.168.0.37,9100   MX-55 ENTPlus   TCP/IP   192.168.0.37,9100	Add Printer
	Modify Printer
	Delete Printer
	Connection Test

PortInfo		
Port type:	TCP/IP	~
IP Address:	192. 168. 0. 37	
Port:	9100	
Notes:		

• Click "Connection Test" to check if the setting is successful.

	×
Conne	ct success!
	ОК

Note: Short press the power button five times, so that the Wi-Fi parameter can be reset.



## 8.3 Firmware Update

1) Click "FW Update".

MX-55 ENTPlus   USB   MX-55 ENTPlus	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
The opticity	

Select File:	
Device:	Vpdate (D)

2) When the device appears "Printer", select the Dfu file.

Device Firmware Upgrade	×
Select File:	
C:\Users\wangyuxiang\Desktop\TP808_V1.00.40.dfu	
Device: Printer	Vpdate(D)

#### 3) Click "Update".

#### 4) Update success.

Device Firmware Upgrade		×
Select File:	×	
C:\Users\wangyuxiang\Desktop\I		
Device: Printer	Update Success!	Quit (Q)
Update Success!	ОК	

5) Restart the printer.

# **9 WINDOWS DRIVER INSTRUCTION**

### 9.1 Information

This Windows Driver Installation 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

The Windows Driver is included in the enclosed CD.

The installation file name is POS Printer Driver-V-X.X.X.X.exe

### 9.4 Windows Driver Installation



### Warning:

Under different operating system and different type of driver, the screen has slight difference.

Please operate it according to the tips. Take MX-55 ENTPlus (Windows 7) as example.

- 1) Double click Windows Driver.
- 2) Choose "English" and click "OK".



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

Please read the following important information before continuing. Please read the following License Agreement. You must accept the terms of thi	(
Diagona read the following License Agreement. You must accept the terms of the	
agreement before continuing with the installation.	s
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.	My
company 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	+
<ul> <li>I accept the agreement</li> </ul>	
○ I do not accept the agreement	

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.

#### 4) Click "Next".

🔂 Setup - XVC MX-55 ENTPlus POS Printer Driver v2.7.2.0	- <b>D</b> X
Select operation of install Please select the operation as you need.	Ð
<ul> <li>Install printer driver</li> <li>Please connect your printer to the PC and turn it on.</li> </ul>	
< Back Next >	Cancel

5) Choose the matched type and port (USBxxx is for USB port, COMx is for serial port, LPTx is for parallel port). Choose the type of driver, port, such as "MX-55 ENTPlus", "USB" as port. Click "Next".

Select the default ins	nter driver tallation port name of printer driver.				
USB001 TPVM: Cloud TCP/IP Port SHRFAX: COM1: COM2:	Printer Model: MX-55 ENTPlus   Default Printer Pre-install Driver Name: MX-55 ENTPlus				
COM3: COM4: FILE: LPT1: LPT2: LPT3: XPSPort:	Baud Rate:     9600     Parity:     NONE       Data Bits:     8     *     Stop Bits:     1       Flow Control:     NONE     *				
	Add TCP/IP Port				



6) Click "Finish", the driver is installed successfully.



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

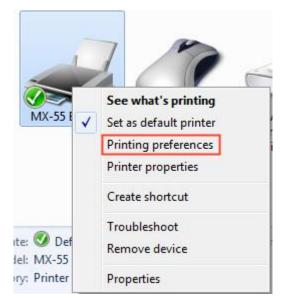


Note: If you already installed the driver (No matter what kind of port), when you connect the printer with computer, it will create a USB port automatically.

### 9.5 Detailed Windows Driver Setting

#### 9.5.1 Printing Preferences

1) Click "Start"  $\rightarrow$  "Devices and Printers". Right click "MX-55 ENTPlus" and choose "Printing preferences".



2) According to the different needs, choose "Paper"\"Offset"\"Rotate"\"Effect"\"Copies" in "Page".

Paper		
Paper Name:	ustom(72.0mm * 29	97.0mm) 🔻
		Manager
Offset		
Horizontal: 0.0	mm	Vertical: 0.0 🚔 mm
	(and a second se	
Preview	Rotate	Effect
	O°	Mirror
0.0.000	© 90°	Inverse
	◎ 180°	
	© 270°	Scale: 100 🚔 %
Copies Copies: 1	×	
6400 A	Second .	Advanced
Reverse Print	Order	



• Click "Manager", add or delete paper.

Custom Paper Li	JL.	Delete
	ptions	
Custom Paper O		
Custom Paper O Paper Name:		Save
	10.0 (10.0 - 600.0 mm)	Save



•Click "Advanced" to set "Save Paper/Cut Paper/Feed Paper/Cash Drawer/Custom Command/ Logo/Buzzer/Code Page".

Save Paper

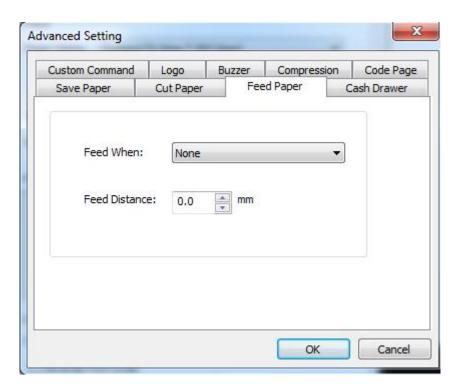
Custom Command	Logo Buzzer Compress		Compression	Code Page
Save Paper	Cut Paper	Fee	d Paper	Cash Drawer
🔘 None		Bott	om	
C Top		🔘 Top	Bottom	

Cut Paper

Custom Command	Logo	Buzzer	Compression	Code Page
Save Paper	Cut Paper	Fee	ed Paper (	Cash Drawer
Cut When:	End Doc	ument	•	
Cut Mode:	Partial C	ut	•	
Cut Distance:	0.0	▲ mm		



#### Feed Paper



#### Cash Drawer

Custom Command	Logo	Buz		Compre		Code Page
Save Paper	Cut Pape	er	Feed	Paper	Ca	ash Drawer
Pulse		225		<b>A</b>	x2 ms	
Cash Drawer	1 (2PIN):	None			•	
Cash Drawer 2 (5PIN):		None			•	

#### Custom Command

Save Paper	Cut P	aper	Fee	d Paper	Ca	ash Drawer
Custom Command	Log	o B	uzzer	Compres	sion	Code Page
Send \	When:	Start Do	cument		•	
					*	

#### Logo

Save Paper	Cut Paper	Fee	d Paper	Cash	Drawer
Custom Command	Logo	Buzzer	Compressi	on C	ode Page
Print When:	Start D	ocument		•]	
Position	Key C	ode		_	
<ul> <li>Left</li> <li>Center</li> </ul>					
🔘 Right	NUI	u •	NULL	•	

 $\bigwedge$  Note: This setting needs to be set in utility. Here are the steps.

1 Open the utility and click "Manage Images".

Printer List: MX-55 ENTPlus   USB   MX-55 ENTPlus	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) Click "Download".

mage List:	
	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)

vnload image	20.04	
Select File( <u>F</u> ):	Add( <u>A</u> )	Print previe
Note:Use the file order NO.	of the image as a built-in printer image numbe	ber. (Image space < {0}B)
Source of G	Print image after download is completed	Print Alignment





Download image		
Select File(E):	Add(A)	Delete(D)
C:\Users\1993\Desktop\01.bmp		
Note:Use the file order NO. of the image as a	puilt-in printer image number.	(Image space < 40960B)

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

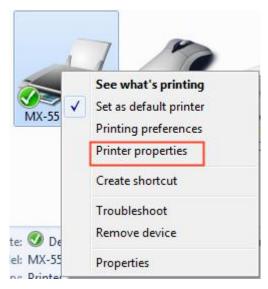
Download mode of G	Print image after download is completed	Print Alignment
		Print Alignment
		Left
		Centre
		Right

(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(E)
Delete All Images
Refresh(R)

(6) Select Printer properties in Devices and Printers, then click "Preference".



eneral Shar	ing Ports	Advanced	Color Management	Security	About
-	MX-55	ENTPlus			
ocation:					
Comment:					
Model:	MX-55 E	NTPlus			
Features Color: No			Danaravailahl	4	
Double-s			Paper availabl	e;	
Staple: N			Custom 72mm * 297r	nm	
			72mm * 420r	nm	
Speed: U	nкnown n resolution	: 203 dpi	72mm * 3276 48mm * 297r		
Maximun			ferences	2.01	Test Page
Maximur					

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

	Watermark H	alftone Printer	Setting Barcode About
Paper			
Paper	Name: Cus	stom(72.0mm * 29	97.0mm) 👻
			Manager
			Indiager
Offset			
Horizo	ntal: 0.0	mm	Vertical: 0.0 🚔 mm
		T	
Previe	w	Rotate	Effect
[ PF	<u>. т</u>	© 0°	Mirror
		© 90°	Inverse
		© 180°	Scale: 100 🚔 %
		© 270°	
Copies			
Copies			
E D	everse Print O		Advanced
K	everse Print O	ruer	

Save Paper Custom Comma	Cut Pa nd	per   Logo	Feed Paper Buzzer	Cash Drawe Code Page
Print When Position Left Center	K	art Docume ey Code 48	48	· · · · · · · · · · · · · · · · · · ·
Right		0	• 0	

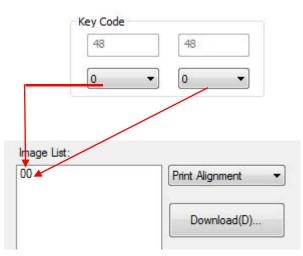
(8) Set the printing time to print and click "OK". (Such as: Start Document)

Print When:	Start Document
	Start Document
Position Left	Start Page End Page End Document
<ul> <li>Center</li> <li>Right</li> </ul>	NULL V NULL V

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

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

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



①Then click "OK".

Save Paper	Cut Paper	Feed Paper	Cash Drawe
Custom Command	Logo	Buzzer	Code Page
© Right	0	• 0	

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

eneral Shari	ng Ports	Advanced	Color Management	Security	About
	MX-55	ENTPlus			
Location:					
Comment:	-				
Model: Features	MX-55	ENTPlus			
Color: No			Paper availabl	e:	
Double-sided: No Staple: No Speed: Unknown Maximum resolution: 203 dpi		Custom 72mm * 297mm 72mm * 420mm 72mm * 3276mm 48mm * 297mm			
		Pr	eferences	Print	Test Page

#### Buzzer

Save Paper	Cut Paper	Fee	d Paper	0	ash Drawer
Custom Command	Logo B	uzzer	Compres	sion	Code Pag
Beep When:	Start Docume	nt		•	
Buzzer Style	Buzzer Optio Times:	ns0	▲ ▼		
© External	Tone:	0.0	sec		
	Interval:	0.0	ec		
Buzzer ON/OFF				85	
Buzzer(Of	(/		Buzzer(Of	F)]	

#### Compression

Save Paper	Cut Paper	r Fee	ed Paper	Ca	ash Drawer
Custom Command	Logo	Buzzer	Compressi	ion	Code Pag
Enable Cor	mpression				
Tip: Enabling	compressio	n will reduce	the data	8	
size, but nee	ed more syst	tem resource firmware sup	s.The		

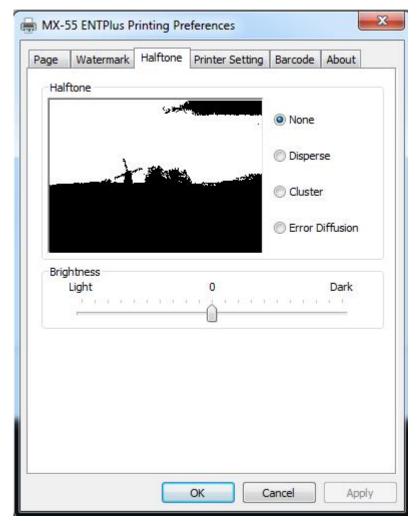
#### Code Page

Save Paper	Cut Paper	Fee	ed Paper	Cash Drawer
Custom Command	Logo	Buzzer	Compression	Code Pag
CodePage:	PC437(std.E	Europe)	•	
	CodePa	age Setting		

3) Click "Watermark". Set watermark to print.

age	Watermark	Halftone	Printer Setting	Barcode	About
					a francé de la constant
_	Watermark				
Pa	ith:				
1					
Pr	eview		Size		
Г			A states of the	ń.	e
					1 17 17
			Density		
			Density	0.42046 - 0.0	8
			3.3.100.0		
			Horizontal	Vertica	al
			🔘 Left	🔘 Top	
			Center	O Cen	ter
			🔘 Right	O Bott	com

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.

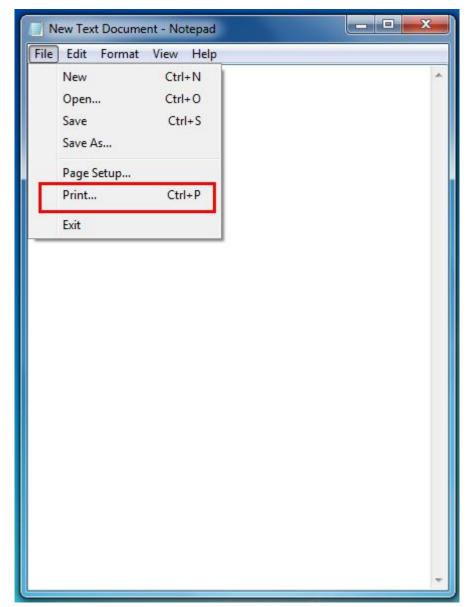


Font		×
Font:	Font style:	Size:
Arial	Regular	10
Arial Arvo BarCode Calibri Cambria Cambria Math	Regular Italic Bold Bold Italic Black Black Oblique Sample AaBbYy	10 A 11 12 E 14 16 18 20 T
	Script:	
	Western	•
Show more fonts	ОК	Cancel



• Open the Preference.

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





to file Preferences Find Printer
f copies: 1

1 Add Barcode firstly.

/atermark	Halftone	Printer Setting	Barcode	About
Name		Symbology		
Barcode	E	dit Barcode	Deleta	e Barcode
Barcode		dit Barcode	Deleti	e Barcode
			Symbology	Symbology



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

Barcode Se	tting					×
Font 1 Font N	lame: 01					
Barcode O	4					
3.	Symbology:		9		Neer	
	Width:	Auto(3)	<b>_</b>	HRI Position:	None	
	Height:	Auto(162)	•	HRI Font:	Auto(FontA)	•
				Orentation:	0	-
Symbology	y Options					
Model:		Auto	*	Column	Auto(0)	¥
Error C	orrection:	Auto	*	Rows:	Auto(0)	*
				_		
			_		ОК	Cancel

Nar	ne		Symbology		
01			Code39		
13	Add Barcode	E	dit Barcode	Delete	e Barcode



3 Click the "Printer Setting".

• Choose the "Display Language for Properties"

Display Language for Properties   English  Chinese-Simplified  Font Chinese-Traditional Japanese Spanish Portuguese Vietnamese  System Font Substitution Font Arial Arabic Transparent Arial Baltic Set	age	Watermark	Halftone	Printer Setting	Barcode	About
English Chinese-Simplified Chinese-Traditional Japanese Spanish Portuguese Vietnamese System Font Marlett Arial Arabic Transparent Arial Baltic	Dis	play Language	for Proper	ties		
Chinese-Simplified Chinese-Traditional Japanese Spanish Portuguese Vietnamese System Font Arial Arabic Transparent Arial Baltic		English				+
Marlett Arial Arabic Transparent Arial Baltic	For	Chinese-Simp Chinese-Trad Japanese Spanish Portuguese	lified litional			
Arial Arabic Transparent Arial Baltic	2	System Font	Sub	stitution Font 📩		
Arabic Transparent NULL	10000	Marlett			->	*
Arabic Transparent	1	Arial			NR.B.I	
	00010-0001	Arial Baltic	irent		NULL	
	0	and the second se	ш	+	S	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 Set, and the replacement font will display "01".

the steps are as follows:

age	Watermark	Halftone	Printer Setting	Barcode	About
Disp	play Language	for Proper	ties		
	English				-
For	nt Substitution				
		- 1.1-		:bl-	
L	En	able	© D	isable	
	System Font	Sub	stitution Font 📩		
	Marlett			->	
1	Arial			NULL	
	Arabic Transp	arent		NULL	<u> </u>
ć	Arial Baltic		+		
000	4	111	•	S	et

	Halftone	Printer S	Setting	Barcode	About
ay Language f	or Proper	ties			
English					•
Substitution -					
	ble		O Dis	sable	
ystem Font	Subs	stitution F	ont 🔺	Arial	
				->	1
rabic Transpar	rent			NULL	•
	ш		•	Se	et
	Substitution © Ena ystem Font larlett rial rabic Transpar rial Baltic	Substitution © Enable ystem Font Subs larlett rial rabic Transparent rial Baltic	Substitution      © Enable  ystem Font Iarlett rial rabic Transparent rial Baltic	Substitution © Enable © Dis ystem Font Iarlett rial rabic Transparent rial Baltic	Substitution

Page	Watermark Half	Printer Setting	Barcode About
Dis	play Language for P	operties	
	English		•
For	nt Substitution		
	Enable	0	isable
Ĩ	System Font	Substitution Font	Arial
	Marlett		->
	Arial		
	Arabic Transparent Arial Baltic		NULL
			FontA FontB
	<u> </u>		01
			2.
		4	·-

Display Language for Properties English   Font Substitution  Enable  Disable  System Font Substitution Font  Arial  Arial  Arial  Arial  Arial  Arial  Baltic  Set  3.	English         Font Substitution <ul> <li>Enable</li> <li>Disable</li> </ul> System Font       Substitution Font         Marlett       ->         Arial       01         Arial Baltic       Set         Set       3.	age	Watermark	Halftone	Printer Setting	Barcode	About
Font Substitution	Font Substitution Enable     Disable     System Font     Substitution Font     Arial     Arabic Transparent     Arial Baltic     Set     Set	Disp	olay Language	for Proper	ties		
Enable     Disable      System Font     Substitution Font     Arial     Arial     Arial     Arabic Transparent     Arial Baltic     Set     Set	Enable          System Font       Substitution Font       Arial         Marlett       ->       01       ->         Arial       01       •       Set         Arial Baltic       Set       Set       3.		English				•
System Font Substitution Font   Marlett ->   Arial ->   Arial ->   Arial Baltic ->   Image: Set Set	System Font     Substitution Font     Arial       Marlett     ->       Arial     01       Arial Baltic     Set       Set     3.	For	t Substitution				
Arial Arial Baltic	Arial Arial Baltic Set 3.		) En	able	© D	isable	
Arial Arabic Transparent Arial Baltic	Arial Arabic Transparent Arial Baltic Set Set 3.		System Font	Sub:	stitution Font 🔺	Arial	-1
Arabic Transparent Arial Baltic	Arabic Transparent Arial Baltic Set 3.					->	
Arabic Transparent	Arabic Transparent					1	
Set	Set Set			arent		01	
	3.					-	
3.			•	m	•	Se	et
5.							
					0		
	OK Cancel Appl				ок	-meal	Apply

age	Watermark	Halftone	Printer Setting	Barcode	About
Dis	play Language	for Proper	ties		
	English				•
For	nt Substitution				
	) En	able	© D	isable	
	System Font	Subs	stitution Font 📩	Arial	
	Marlett			->	
-	Arial	01		01	•
	Arabic Transpa Arial Baltic	arent		( <b>0</b> 1	
	< Lee	ш	•	Se	et





• 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					x
Font:		Font style:		Size:	
Arial		Bold		10	
Arial Arvo	<b>^</b>	Regular Italic	*	10 11 12	
BarCode Calibri Cambria		Bold Bold Italic Black		14 16 18	
Cambria Math	Ŧ	Black Oblique	-	20	<b>T</b>
		Sample AaBb	YyZz	:	
		Script:			
		Western			•
Show more fonts		OK		Cano	el

(2) Set the Printing preferences.

Add Printer	
Histone HI-TP808J-BT MX-55 ENTPlus	
Status: Error Location: Comment:	Print to file Preferences
Page Range       Image All       Selection       Pages:	Number of copies: 1



3 Click the "Printer Setting".

• Choose the "Display Language for Properties".

Display Language for Properties   English  Chinese-Simplified  Font Chinese-Traditional Japanese Spanish Portuguese Vietnamese  System Font Substitution Font
English Chinese-Simplified Font Chinese-Traditional Japanese Spanish Portuguese Vietnamese
Chinese-Simplified Font Chinese-Traditional Japanese Spanish Portuguese Vietnamese
Sustan East Cubatitution East A
System Font Substitution Font
Marlett ->
Arial NULL NULL
Anai Balloc

4 Turn on the "Font Substitution".

Page	Watermark	Halftone	Printer Se	etting	Barcode	About
Disp	olay Language f	for Proper	ties			
	English					•
For	nt Substitution					
-	Enal	-blo			isable	
		IDIE		O D	sable	
	System Font	Sub	stitution Fo	nt 🔺		
0	Marlett				->	•
	Arial				NULL	•
	Arabic Transpa Arial Baltic	rent			INDEL	
2	1 <u>1 66</u>		_	*		. ]
	<b>۲</b>	10		•	2	et

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

age Dis	Watermark Hal	ftone Printer Setting Properties	Barcode About
	English		•
For	nt Substitution		
	Enable	🔘 Di	sable
¹	System Font	Substitution Font	Arial
	Marlett		->
	Arial Arabic Transparent Arial Baltic	t	NULL
	< <u>}</u>	Estimation of the second se	Set

(6) Select the font to that you want to replace.

Page	Watermark Hal	ftone Printer Settin	9 Barcode About
Disp	olay Language for F	Properties	
	English		•
Eor	t Substitution		
	it bubbattation		
	Enable	0	Disable
	System Font	Substitution Font	Arial
	Marlett		->
	Arial		
	Arabic Transparent	t	NULL -
	Arial Baltic		- NULL FontA
	< <u> </u>	•	FontB
			2.
		_	
			OK Cancel

7 Click "Set".

Displa	ay Language fo		Printer Setting	Barcode	About
	ay Language TO	r Proper	ties		
	English				•
Font	Substitution				
	Enable	le	0	isable	
S	ystem Font	Subs	stitution Font 📩	Arial	
M	larlett			->	
	rial			FontA	•
	rabic Transpare rial Baltic	ent		[ <u>3</u>	
:	: 1 ee	m		Se	.+
					- C

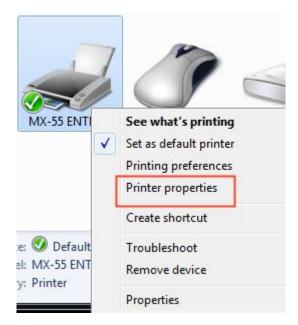
age	Watermark Hal	lftone	Printer	Setting	Barcode	About
Disp	olay Language for F	Proper	ties			
	English					•
For	t Substitution					
	Enable			© D	isable	
	System Font	Subs	stitution f	ont ^	Arial	1
	Marlett				-3	>
	Arial	Font	tA		FontA	-
	Arabic Transparen Arial Baltic	t			( and	
						et 💦
	s. [				S	





## 9.5.2 Printer properties

1) Click "Start"  $\rightarrow$  "Devices and Printers". Right click "MX-55 ENTPlus" and choose "Printer properties".



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

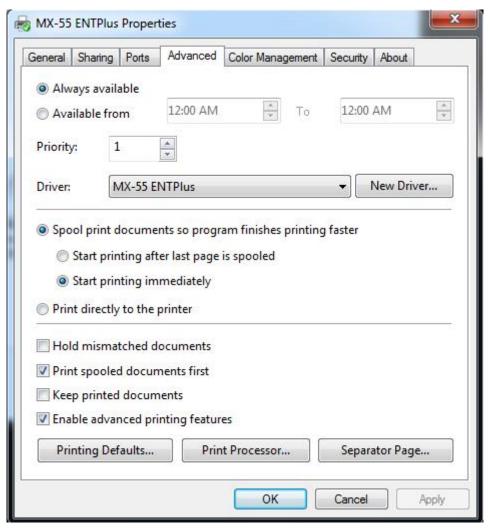
Location:	
* 8 F	
Comment:	
Model: MX-55 ENTPlus	
- Features	
Color: No Paper available:	
Double-sided: No Custom	*
Staple: No 72mm * 297mm	1.400
72mm * 420mm Speed: Unknown 72mm * 3276mr	
Maximum resolution: 203 dpi 48mm * 297mm	-

3) Click "Port" to choose another port or add port.

Print to the f		ocuments will print to	the first free	
Port	Description	Printer		*
LPT3:	Printer Port			
COM1:	Serial Port			
COM2:	Serial Port			Ξ
СОМЗ:	Serial Port			
COM4:	Serial Port			
FILE:	Print to File			
USB001	Virtual printer po	ort for MX-55 ENTP	lus, Histone HI-TP	
Add F	Port	Delete Port	Configure Port.	u
Enable bi	directional support			



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





## 9.6 Uninstall Windows Driver

1) Double click Windows Driver.

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

🔂 Setup - XVC MX-55 I	ENTPlus POS Printer Driver v2.7.2.0
Select operation of Please select the op	install peration as you need.
O	Install printer driver Please connect your printer to the PC and turn it on.
۲	Uninstall printer driver Uninstall the printer driver and components which printer selected.
-	Next > Cancel



3) Choose "MX-55 ENTPlus", click "Next". Then it is complete to uninstall.

Uninstall - XVC MX-55 ENTPlus POS Printer Driver v2.7.2.0	_ <b>_ _</b> ×
Uninstall printer driver Please select the printer driver name needed to uninstall.	
Delete all printer drivers and its components	
MX-55 ENTPlus	
< Back Next	> Cancel