

User's Manual

80mm Thermal Receipt Printer GA-F3300



Please keep user manual for reference

1. Safety Notice

- * Install the printer on the stable surface. Choose firm, level surface where avoid vibration.
- * Do not use or store the printer in high temperature, high humidity and serious pollution.
- * Connect the printer's power adapter to an appropriately grounded socket. Avoid using the same socket as large motors or other equipment that can cause voltage fluctuations in the power supply.
- * Don't let water or other conductive materials (such as metal) into the printer. Once this happens, turn off the power immediately.
- * Printer should not print in paperless state, otherwise it will seriously damage the print roller and thermal print head.
- * We recommend that you unplug the printer from the power outlet if no use it for a long period.
- * Use only approved accessories and do not try to disassemble, repair or remodel it by yourself.
- * Use only the power adapter that comes with the package.
- * In order to ensure the printing quality and product life, high quality printing paper is recommended.
- * Make sure that the power supply of the printer is turned off when unplugging the cable.
- * This product is only suitable for use in tropical climate conditions with an altitude of 5000 meters and below.

2. Application

- * POS system Receipts
- * EFT POS system Receipts
- * Gym, post, hospital, civil aviation system Receipts
- * Inquiry, Service system Receipts
- * Instrument test Receipts
- * Tax, Tab Receipts

3. Unpacking

After unpacking the unit, check that all the necessary accessories are included in the package.

- * User's Manual 1 PCS
- * Printer 1 PCS
- * Data Cable 1 PCS
- * Power Adapter (include power cord) 1 SET
- * Test roll paper 1 PCS
- * CD 1 PCS

4. Key features

- * Support 300dpi resolution
- * 160mm/sec high-speed printing
- * Support kitchen printing and ethernet printing
- * Support Receipt and Label printing
- * Support cashdrawer kick-out
- * Low working noise
- * Compact and lightweight, attractive appearance
- * Reasonable structure of printer, easy maintenance
- * Various interface available (Serial + USB + Ethernet)
- * Built-in data buffer (can receive printed data when printing)
- * Support character enlargement, bold, underline, line spacing and character spacing
- * Support NV images download
- * Low energy consumption and low operation cost
- * Compatible with ESC/POS command set, optional number of characters and font per line (adjust DIP switch)
- * Character per line and character settings
- * Support Ethernet Printing status monitor, multiple connection printing and OPOS printing
- * Support printer identification, software binding and high-speed driver mode
- * Support various character sets (include GB18030)



5. Specifications

Model	GA-F3300
Print method	Direct thermal printing
Print resolution	300dpi
Print speed	160 mm/s
Print width	72mm
Paper thickness	0.06~0.08mm
Paper diameter	75mm
Print interface	Serial + USB + Ethernet,Bluetooth/Wi-Fi(option)
Barcode type	UPC-A/UPC-E/JAN13(EAN13)/JAN8(EAN8)/ CODE39/ITF/CODEBAR/CODE93/CODE128 / QRCODE
Buffer	Data: 8K bytes, NV Flash: 1M bytes
Font type	Simplified Chinese GB18030 / Traditional Chinese Big5 / International Fonts
Font size	ANK Character:Font A: 12x12dot, Font B: 9x17dot; Chinese: 24x24dot
Print command	ESC/POS compatible
Power supply	AC 110V/220V, 50~60Hz
Power adapter	DC 24V/2.5A
Cash drawer	DC 24V/1A
Work environment	Temperature: 5~45 $^\circ\!\mathrm{C}$, Humidity: 10~80%
Storage environment	Temperature: -10~50 °C , Humidity: 10~90%
Dimension	189x146x134mm (WxDxH)

6. Printer Connection

- a. Plug the DC cord connector into the printer's power connector.
- b. Plug the data cable connector into the printer's interface connector
- c. Plug the drawer cable into the drawer kick-out connector on the back of the printer next to the interface connector.



7. Installing the roll paper

- a. Open the printer cover
- b. Put the roll paper into the printer
- c. Pull out some paper outside the printer.
- d. Close the top cover, press the printer cover to avoid error position of roll paper.



8. Functions of buttons and indicators

a. Print Self-testing page

* Printer status: Make sure the printer has thermal paper roll, then close the cover.

* Press the "Feed" button and hold it, then power on the printer. Release the hand holding the "Feed" button after the error light is off (the buzzer beeps).

* The printer is automatically restored to normal mode after self-testing page printing

b. Buzzer switch

* Printer status: There is no paper roll in the printer, then close the printer cover.

* Press the "Feed" button and hold it, then power on the printer. Release the hand holding the "Feed" button after the error light is off (the buzzer beeps).

* Put the paper roll back into the printer, then press the button and a notice will be printed.

c. Setting HEX mode

* Printer status: Make sure the printer has thermal paper roll, then close the cover.

* Press the "Feed" button before power on the printer. Release the hand holding the "Feed" button after the three LED lights blink for three times.

* Press the "Feed" button within five seconds to enter HEX mode

* Long press the "Feed" button to cancel HEX mode.

d. Factory reset

* Printer status: Make sure the printer has thermal paper roll, then close the cover.

* Press the "Feed" button and hold it, then power on the printer. Release the hand after the three LED lights blink for five times, and press the "Feed" button within five seconds.

* The factory settings are restored after the buzzer beeps three times, the printer will restart Automatically.

e. Setting IAP mode

* Printer status: Make sure the printer has thermal paper roll, then close the cover.

* Press the "Feed" button and hold it, then power on the printer. Release the hand after the three LED lights blink for five times, entering IAP mode.

* Restart the printer to cancel IAP mode.

f. Mode switch

* Printer status: Make sure the printer has thermal paper roll, then close the cover.

* Press the "Feed" button and hold it, then power on the printer. Release the hand after the buzzer beeped three times, and then press the "Feed" button again.

* If continuous paper removal is in label mode, and single paper removal is in receipt mode.

9. Driver Setup

There are two ways to install the Driver for thermal receipt printer, one is to install the Driver directly under WINDOWS, the other is to use the port directly.

* Install the Driver under WINDOWS

Add printer in WINDOWS, and specify the Driver file in the Driver disk to WINDOWS, only need to call the Driver in the program and start printing. In this way, it is actually printed by the WINDOWS printer program to convert characters into graphic dot matrix.

* Port drive directly

In this way, there is no need to use the Driver, only need to output the character directly to the port, and by the printer's internal font library to realize the conversion of the character printing, using the port direct drive mode, so that the printing control is more convenient.

In this way, you need to use the print command set to control the printing of the printer. The 80mm thermal receipt printer has integrated the ESC/POS command set.

* How to install the Driver in Windows

a. Insert the driver CD disk, run the GA-Printer Driver v1.1 to set up, click "Next".



b. Select the operation system that you're using

Select OS (x86/x64)			×
Select OS			
🔾 Windows 2000	○Windows XP	○Windows 2	2003
⊖Windows Vista	⊖Windows 7	● Windows 8 Windows	3 10
Install USB Vir	tual Serial Port	Driver	
			<u>E</u> xit

c. Select the Driver "GA-F3300 Series" and click next.

No manage of the second s	
A-E2UU Series	
GA-S300 Series	
A-C80180 Series	
A-COUZOU Series	
A-V80250 Series	
A-V80300 Series	
GA-L80180 Series	
A-L80250 Series	
A-LSU3UU Series A-L300 Series	
A-H80300 Series	
A-F250 Series	
JA-rooto Series JA-V3300 Series	
	A-F300 Series 3A-S300 Series 3A-C80180 Series 3A-C80250 Series 3A-0802500 Series 3A-0802500 Series 3A-080300 Series 3A-180180 Series 3A-L80250 Series 3A-L80300 Series 3A-L80300 Series 3A-L80300 Series 3A-F3800 Serie

d. Select the corresponding printer port. (USB, Ethernet, Serial can be selected as below)

Port	Туре	,
192, 168, 123, 8	Standard TCP/IP Port	
192.168.123.8_1	Standard TCP/IP Port	
SHRFAX:	Fax Monitor Port	
COM1 :	Local Port	
COM2:	Local Port	
COM3:	Local Port	
COM4 :	Local Port	•
COM4:	Local Port Create Port Configure Port	

e. Complete the setup.

Detail Setting (x86/x64)	×
Install Module GA-F3300 Series 🗸 🗸	
Printer Setting	
Printer Name GA-F3300 Ser	
Completed!	
ОК	
< <u>Back</u> <u>Next</u> > <u>Exi</u> t	:
This Driver is suitable for Windows x86 and x64 OS.	

f. Turn on the printer on your computer settings and find the corresponding driver of GA-F3300 series. Right-click "Printer properties" and click "Print Test Page" button to Print the test page, then the installation is successful.

C.I.G.I.	ng Ports	Advanced	Color Management	Security	Device Settings
3	GA-F33	00 Series			
ocation:					
Comment:					
Model:	GA-F330	0 Series			
Features Color: No			Paper availab	le:	
Double-sic Staple: No	ded: No		80 (300DPI) >	k 297 mm	^
Speed: Un Maximum	known resolutior	n: 300 dpi			>
		Pr	eferences	Print	Test Page

* How to set up the Drive Port

(1) USB Port Connection (If you need you need to set the port to USB)

a.	b.
Image: Construction of the second	Intel(R) USB 3.0 eXtensible Host Controller - 1.0 (Microsoft) Proper X General Ditver Details Events Resources Power Management Intel(R) USB 3.0 eXtensible Host Controller - 1.0 (Microsoft) Property Bus relations Value
a. Open "Printer Properties": Begin → Device and printer → Printer Properties → Port C、 C General Shamp Pots Advanced Color Management Security Device Settings	b. Select USB port If the computer has been connected to multiple printers, there will be multiple USB ports, you can check USB port as blew: Computer→ Properties→ Management→ Device Manager→ Universal Serial Bus Controller→ Printer Support→ Properties→ Bus relationship. Alternatively, open the G80 Utility tool, view the USB port, and select the USB port that is not occupied. Notes: If USB00x can't be found, check whether "USB Print Support" can be found under the Universal Serial Bus Controller in device Manager of computer properties. If it cannot be found, the USB connection failed. Check the connection between printer and PC.
GA-F3300 Series Location: Comment: GA-F3300 Series Features Color: No Staple: No Stapl	c. Print the test page works well, means that all Settings are ok. Notes: If "printer error", we should find the correct USB port and test until ok.

(2) Ethernet Port Connection (If you need to set the port to Ethernet)

a.	b.			
GA-F3300 Series Properties X	GA-F3300 Series Properties ×			
General Sharing Ports Advanced Color Management Security Device Settings	General Sharinn Ports Advanned Color Mananement Service Device Settings			
S GALE3300 Series	Printer Ports X			
	Available port types:			
Print to the following port(s). Documents will print to the first free	Standard TCP/IP Port TSPrint Monitor			
Dert Der Brinter	ZDesigner Port Monitor			
192.168.0.233 Stan				
192.168.0.235 Stan 192.168.1.100 Stan	New Port Type New Port Cancel			
☐ 192.168.123.3 Stan	□ 102 168 123 8 Stan			
192.168.123.8_1 Stan	[] 192.168.123.8_1 Stan			
PORTPROMPT: Loc				
Add Porţ Delete Port Configure Port	Add Port Delete Port Configure Port			
Enable bidirectional support	Enable bidirectional support			
OV Const	OK Crust Arch			
	UK Cancel gobiy			
a. Get the IP address from the printer self-testing page:				
According to above operation 8-a to print the self-testing page,				
then you can get the current setting information.	b. As shown in the above picture,			
	click "Add Port" and then click "New Port"			
And then, as is snown in the above picture, open the "Properties" of printer Driver, select the "Port"				
C.	d.			
Add Standard ICP/IP Printer Port Wizard	Add Standard TCP/IP Printer Port Wizard			
Welcome to the Add Standard TCP/IP Printer Port Wizard	Add port For which device do you want to add a port?			
	Enter the Drinker Name or ID address, and a next same for the desired during			
Before continuing be sure that	Enter the Printer Name of in address, and a port name for the desired device.			
1. The device is turned on. 2. The network is connected and configured.	Printer Name or IP Address: 192.168.123.123			
	Port Name: 192.168.123.123			
To continue, click Next.	E			
< Back Next > Cancel	< Back Next > Cancel			
	011 00100 0000			
c. Click "Next"	d. Enter the IP address			
	f			
Add Standard TCP/IP Printer Port Wizard Additional port information measind	Add Standard TCP/IP Printer Port Wizard			
The device could not be identified.	Completing the Add Standard TCP/IP Printer Port Wizard			
The device is not found on the network. Be sure that:	You have selected a port with the following characteristics.			
1. The device is turned on. 2. The network is connected.				
The device is properly configured. The address on the previous page is correct.	SNMP: No Protocel: RAW, Pert 9100			
If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is correct, select the	Device: 192.168.123.123			
device type below. Device Type	Port Fame: 192.168.123.123 Adapter Type: Generic Network Card			
Standard Generic Network Card				
Custom Settings				
	To complete this wizard, click Finish.			
< Back Next> Cancel	< Back Finish Cancel			
a Salact "Generic Natwork Card" and then click "Next"				
	t. Check the information and click "Finish"			

Thermal Receipt Printer

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b.		GA-F3300 Series Properties X
GA-F3300 Series Properties	X	General Sharing Ports Advanced Color Management Security Device Settings
General sharing tonis Advanced Color Management Sec	any Device Settings	CA. 52200 Series
GA-F3300 Series		
Print to the following port(s). Documents will print to the fit checked port.	ist free	
Port Description	Printer ^	
192.168.123.123 Standard TCP/IP Port PORTPROMPT: Local Port		p p
TSPRINTPort: Local Port COM10: Local Port		Model: GA-F3300 Series
COM11: Local Port		Features Color: No Paper available:
<	> "	Double-sided: No 80 (300DPI) x 297 mm
Add Port Delete Port	onfigure Port	Stapie: No Speed: Unknown
Enable bidirectional support	2	Maximum resolution: 300 dpi
Enable printer pooling	-	Preferences Print Test Page
		e or Cruzel Arch
Cose Ca	Accel Apply	On Caliber Appy
g. Click "Finish" to check the added ports		h. Return to the "General" and click "Print test page". If the print
		test page works normally, the setting is successful
GA-F3300 Series Properties	× 🖶 0	SA-F3300 Series Printing Preferences ×
General Sharing Ports Advanced Color Management	Security Device Settings Layo	out Paper/Quality
S GA-F3300 Series	T	Tray Selection
		Paper Source: Form[Cut]
Location:		Media: Cash Drawer #1+#2 Before Printing
Comment:		
-	GA-F3300 Series Advanced Option	ns X
	GA-F3300 Series Advanced D	Document Settings
Model: GA-F3300 Series	Paper Size: 80 (300E	DPI) x 297 mm 🗸 🗲
Features	Copy Count: 1 Copy	
Color: No Paper availabl	Advanced Printing Fe	eatures: Enabled
Double-sided: No 80 (300DPI) x	Pages per Sheet Layo	put: <u>Right then Down</u>
Speed: Unknown	Printer Features	
Maximum resolution: 300 dpi	Print Quality: Not	t Print NV Logo
	Output Bin: [Page	e Bottom/ALARM Advanced
Pr <u>e</u> ferences		OK Cancel Apply
Close		
		OK Cancel
i. Change settings through "Preferences"	and "Device Settings".	(Print length Settings, money box Settings, buzzer prompt Settings,
etc.)		

Serial Port Connection	(If	you need to	set the	port to Seria	I)
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📾 GA-F3300 Series Properties 🛛 🗙	COM18 Properties ? X
General Sharing Ports Advanced Color Management Security Device Settings	Port Settinge
	Tort Settings
GA-F3300 Series	24
s	:h
	r Bite per second: 19200
Print to the following port(s). Documents will print to the first free	
checked port.	Q
Port Description Printer ^	Data bits: 8 V
LPT1: Printer Port	
Printer Port	Parku Nara
0 LPT3: Printer Port	Landy. None
COM1: Serial Port GA-F3300 Seria	
COM3: Serial Port	Stop bits: 1 V
	4
	Democrately News
e Add Port Delete Port Configure Port	re
	1
Enable bidirectional support	
Enable printer pooling	<u>R</u> estore Defaults
	-
d and a second sec	
Close Cancel Apply	OK Cancel <u>Apply</u>
tus: 0 document(s) in queue	OV C1
- Challester (Deute COMD File)	
a. Click step "Port - COIVI2 – Finish"	b. Refer to the default baud rate of the printer self-testing
	page, enter the same baud rate 19200, otherwise there will be
Select a serial port based on the following path:	errors in printing. Click "Apply" after confirming the
"Computer \rightarrow Properties \rightarrow Device Manager \rightarrow Port (COM and	parameters.
LPT) USB Serial Port (COMX) \rightarrow Click "Configure port".	
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🖶 GA-F3300 Series Properties 🛛 🕹	GA-F3300 Series Properties X
Council Charles Ports Advanced Cale Management Council, Davies Cotting	General Sharing Porte Advanced Color Management Security Device Settinge
General Sharing Ford Advanced Color Management Security Device Settings	Sharing Fora Avancea color managament Security Device Security
S GA-F3300 Series	S GA-F3300 Series
-	
Print to the following port(s). Documents will print to the first free checked port.	Location:
	Comment:
Port Description Printer	
COM10: Local Port	
COM12: Local Port	P
COM14: Local Port	Model: GA-F3300 Series
COM15: Local Port	Features
COM17: Local Port	Color: No Paper available:
COM18: Local Port GA-F3300 Series 🗸	Double-sided: No 80 (300DPI) x 297 mm
Add Port., Delete Port Configure Port.,	Staple: No
	Speed: Unknown
Enable bidirectional support	Maximum resolution: 300 dpi
Enable printer pooling	
	Preferences Print Test Page
	e
OK Cancel Apply	OK Cancel Apply
c. The Settings are finished.	d. Return to the "General" and click "Print test page". If the
	print test page works normally, the setting is successful.



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