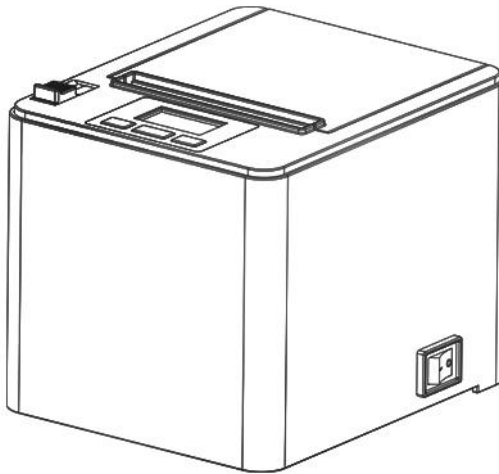


# User's Manual

**S300**



**Proficient in Commercial POS Receipt Printers**

## **1.Safety Notice:**

- \* Don't touch the printer head with anything.
- \* Don't touch the cutter blade.
- \* Don't bend the power cord excessively or place any heavy objects onto it.
- \* Don't use the printer when it is out of order. This can cause a fire or and electrocution.
- \* When connecting or disconnecting the plug, always hold the plug but not the cord.
- \* Keep the desiccant out of children's reach.
- \* Use only approved accessories and do not try to disassemble, repair or remodel it by yourself.
- \* Install the printer on the stable surface. Choose firm, level surface where avoid vibration.
- \* Don't let water or other foreign objects into the printer.
- \* Don't connect a telephone line into the peripheral drive connector.
- \* We recommend that you unplug the printer from the power outlet if no use it for a long period.

## **2. Applications:**

- \* 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

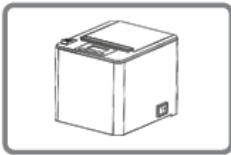
**Printer** 1 PCS

**Data Cable** 1 PCS

**Power Adapter (include power cord)** 1 SET

## 4. Features

- \* 250mm-300mm/sec high-speed printing
- \* Support Kitchen Printing and Ethernet Printing
- \* High print quality
- \* Low working noise
- \* Support cashdrawer kick-out
- \* Easy maintenance
- \* Various interface available (Serial + USB + Ethernet)
- \* Built-in data buffer
- \* 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
- \* 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)
- \* Support paper end detection



**Support paper end detection**



**High-speed Printing**



**Printer Identification**



**Multiple Connection Printing**



**Driver**



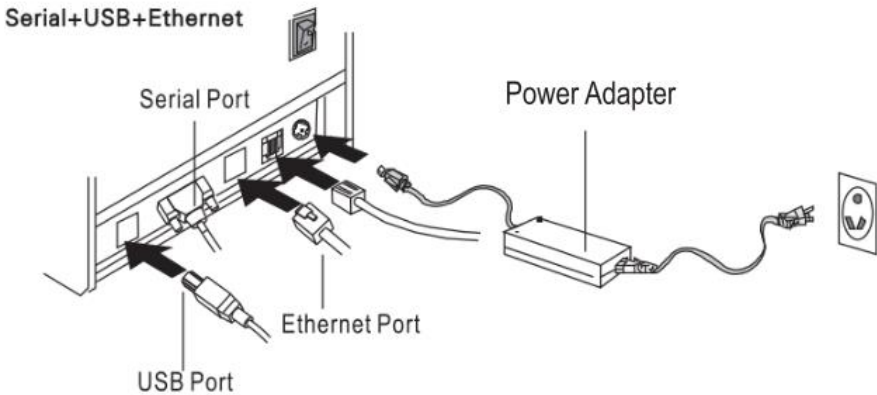
**Various Character Sets**

## 5.Specifications

<b>Model</b>	S300
<b>Print method</b>	Direct thermal printing
<b>Print density</b>	576dot/line or 512dot/line
<b>Print speed</b>	250mm/sec
<b>Print width</b>	72mm
<b>Paper thickness</b>	0.06~0.08mm
<b>Paper diameter</b>	85mm
<b>LED</b>	1.3 inch
<b>Print interface</b>	Serial + USB + Ethernet
<b>Barcode type</b>	UPC-A/UPC-E/JAN13(EAN13)/JAN8(EAN8)/ CODE39/ITF/CODEBAR/CODE93/CODE128 / QRCODE
<b>Buffer</b>	Data: 8K bytes, NV Flash: 1M bytes
<b>Font type</b>	Simplified Chinese GB18030 / Traditional Chinese Big5 / International fonts
<b>Font size</b>	ANK Character: Font A: 12x12dot, Font B: 9x17dot; Chinese: 24x24dot
<b>Print command</b>	ESC/POS compatible
<b>Power supply</b>	AC 110V/220V, 50~60Hz
<b>Power adapter</b>	DC 24V/2.5A
<b>Cash drawer</b>	DC 24V/1A
<b>Work environment</b>	Temperature: 5~45℃, Humidity: 10~80%
<b>Storage environment</b>	Temperature: -10~50℃, Humidity: 10~90%
<b>Dimension</b>	160×132×123mm(W×D×H)

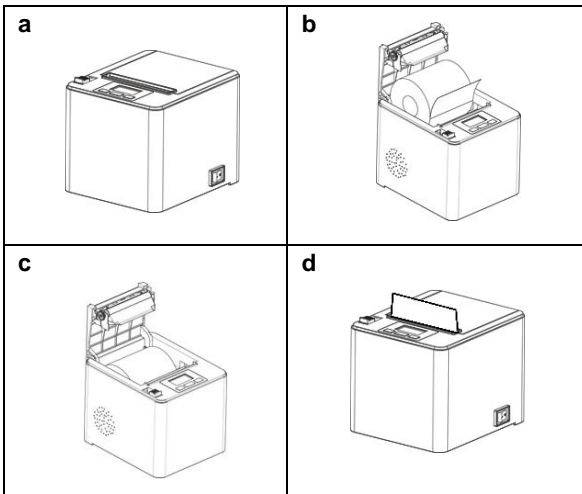
## 6. Printer Connection

- 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.

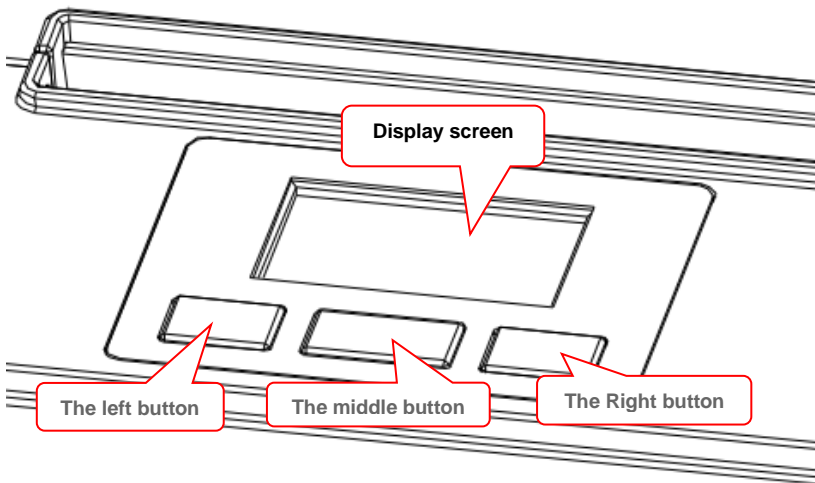


## 7. Installing the roll paper

- a. Open the printer cover.
- b. Install the roller in the roll paper, and put them into the printer.
- c. Pull out some paper outside the printer and then close the printer cover.
- d. Close the top cover. Press the printer cover to avoid error position of roll paper.



## 8. Display screen operation



## 9. LED and Buttons function description:

### A. Screen display information

1. standby mode
  - a. Upper left region: Represents the warning information of the current printer in the form of icon, and does not display when no warning appears.
  - b. Upper right region: Displays the real-time temperature of the print head.
  - c. The area below: Display the printer's current status, warning, prompt message in the form of text.
2. State of options  
Provides common printer function settings.
3. Screen saver status  
Reduce the brightness and move the company LOGO in a random direction.

Note: in standby mode, the printer and keys will automatically enter the screen saver after 30 seconds without any action. Under the option state, the printer and keys will automatically return to standby state after 20 seconds and enter the screen saver state after 10 seconds.

### B. Layout of the buttons

There are three buttons, left to right: left button, middle button and right button.

### C. Function of the button

1. Each button contains short and long press operations, which correspond to different functions in different standby display states.

2. Standby mode:

- a. Left button

Short press: no operation.

Long press: display simple information of printer.

- b. Right button

Short press: no operation

Long press: enter the option state.

Options are: self-check page printing, print concentration debugging, print speed debugging, language selection, cutter selection, USB interface type, serial port baud rate debugging;

- c. Middle button

Short press: when the current printer has no printing task, the paper is about 5 mm; Pause/continue printing while the printer is printing.

Long press: the current printer has no printing task, continuous paper out; Cancel printing when the printer is printing and in a pause state.

Note: press the middle button when starting up to enter the corresponding special mode and operate according to the on-screen prompts.

Special mode: self-check page printing, sensor calibration, hexadecimal debugging, restore the original Settings.

3. Under the option state:

- a. Left button

Short press: select the previous option/setting parameter (decrement).

Long press: continuously select the previous option/continuously set parameters (descending).

- b. Right buttons

Short press: select next option/set parameter (increments).

Long press: continuously select the next option/continuously set parameters (incrementing).

- c. Middle button

Press: confirm selection.

Long press: return to standby mode.

4. Screen saver:
  - a. Left button  
Press: return to standby mode.  
  
Long press: display printer information.
  - b. Right buttons  
Press: return to standby mode.  
  
Long press: enter the option state.
  - c. Middle button  
Short press: return to standby state, at this time: when the current printer has no printing task, paper out about 5 mm; Pause/continue printing while the printer is printing.  
  
Long press: return to standby state, at this time: when the current printer has no printing task, continue to print paper; Cancel printing when printing is in the printer's pause state.

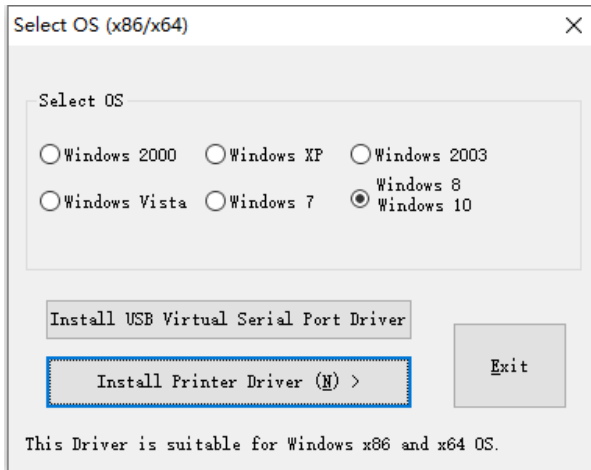
## 10. Driver Setup

- 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



A dialog box titled "Select OS (x86/x64)" with a close button (X) in the top right corner. It contains a "Select OS" section with six radio button options: "Windows 2000", "Windows XP", "Windows 2003", "Windows Vista", "Windows 7", and "Windows 10". The "Windows 10" option is selected. Below this section are three buttons: "Install USB Virtual Serial Port Driver", "Install Printer Driver (N) >" (which is highlighted with a blue dotted border), and "Exit". At the bottom, a text line states: "This Driver is suitable for Windows x86 and x64 OS."

Select OS (x86/x64)

Select OS

☐ Windows 2000   ☐ Windows XP   ☐ Windows 2003  
☐ Windows Vista   ☐ Windows 7   ☒ Windows 10

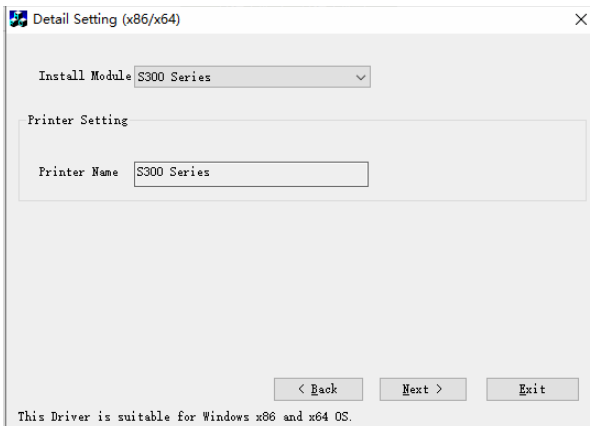
Install USB Virtual Serial Port Driver

Install Printer Driver (N) >

Exit

This Driver is suitable for Windows x86 and x64 OS.

c. Select the driver S300 Series and click next



A dialog box titled "Detail Setting (x86/x64)" with a close button (X) in the top right corner. It features an "Install Module" dropdown menu currently showing "S300 Series". Below this is a "Printer Setting" section with a "Printer Name" text box also containing "S300 Series". At the bottom, there are three buttons: "< Back", "Next >", and "Exit". A text line at the very bottom states: "This Driver is suitable for Windows x86 and x64 OS."

Detail Setting (x86/x64)

Install Module: S300 Series

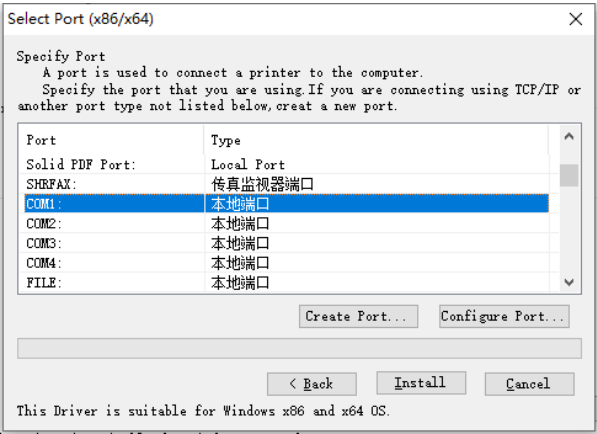
Printer Setting

Printer Name: S300 Series

< Back   Next >   Exit

This Driver is suitable for Windows x86 and x64 OS.

d. Select the corresponding printer port.



e. Complete the setup.

