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

* Compact size, abundant function
* 300mm/sec high-speed printing
* Support 2D barcode printing (QR CODE)
* 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 set can be set by DIP switches
* 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)
* High speed driver printing mode, 66% improvement in print speed though serial port
* Connect and print Faster, stop receipt misprinting
* Built in web page to set up printer directly

Streamlined structure design  High-speed Printing  Printer Identification

Multiple Connection Printing  OPOS Driver  Various Character Sets
### 5. Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>GP-U803001</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Printing speed</strong></td>
<td>300mm/sec</td>
</tr>
</tbody>
</table>
| **Paper roll** | Paper width: 79.5±0.5mm  
                | Max diameter: 83mm |
| **Printing width** | 72mm/64mm |
| **Dot pitch** | 576dots / line & 512dots / line |
| **Character size** | ANK Character,  
                      | Font A: 12×24dots,  
                      | Font B: 9×17dots,  
                      | Chinese: 24×24dots |
| **Print command** | Compatible with ESC/POS |
| **Interface** | Serial+USB+Ethernet, Parallel+USB |
| **Auto cutter** | Partial |
| **Reliability print** | 150Km |
| **Barcode mode** | UPC-A/UPC-E/JAN13(EAN13)/JAN8(EAN8)/CODE39/  
                     | ITF/CODABAR/CODE93/CODE128/QRCODE |
| **Paper thickness** | 0.06~0.08mm |
| **Powersupply** | DC 24V/2A |
| **Power adapter** | Input: AC110V-220V, 50~60HZ  
                   | Output: DC 24V/2A |
| **Cash drawer** | DC 24V/1A |
| **Work temperature** | Temperature: 0~45°C, Dampness: 10~80% |
| **Storage temperature** | Temperature: -10~60°C, Dampness: 10~90% |
| **Dimensions** | 140X 175 X 137mm(W×L×H) |
6. Printer Connection

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

![Diagram of Serial + USB + Ethernet connection]

![Diagram of Parallel + USB connection]

7. Installing the roll paper

a. Press the button to open the top cover.
b. Install the paper roll 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. Setting the Printing Mode (DIP switches)

The DIP switches are used to set the printer to perform various functions, such as cutter mode, character set, speed, beeper, print density and etc.
9. Buttons and Indicators

10. Functions of buttons and indicators

(1) . FEED Button
Press to feed paper manually.

(2) . PAPER Indicator
When this indicator is lighting as well as the ERROR indicator, printer is out of paper.
When this indicator is dim as well as the ERROR indicator, printer has paper.
When this indicator is lighting but the ERROR indicator is dim, roll paper is near end.

(3) . POWER Indicator
When this indicator lights, the printer is turned on.
When this indicator dims, the printer is turned off.

(4) . ERROR Indicator
When printer is in the status of paper out, cutter error or print head overheat, this indicator is
flashing according to user’s defined setting.

13. Cutter Maintenance

Step (1)
a. Turn off then on the printer, the printer will initialize and reset the cutter.

Step (2)
a. Open the front cover.
b. Wheel the gear on the cutter to make the cutter back to initial position. Open the printer
cover and install roll paper correctly, then the printer works normally.

⚠️ Caution: Do not open the printer cover by force, so as not to damage the print head and
auto cutter.
1. Open the cover by the arrow direction

2. Turn the gear to reset the cutter

11. Printer view

- front view
- side view
- back view
12. Driver Setup

a. Insert the driver CD disk, run the GP80DRV CN V9 to set up.

![Image of driver setup wizard]

Welcome to the GAINSCHA 80mm Series Printer Driver V9 Setup Wizard

This will install GAINSCHA 80mm Series Printer Driver V9 on your computer.

It is recommended that you close all other applications before continuing.

Click Next to continue, or Cancel to exit Setup.

b. Read and accept the terms to continue the setup

![Image of license agreement]

License Agreement

Please read the following important information before continuing.

Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.

SOFTWARE LICENSE AGREEMENT

IMPORTANT - PLEASE READ CAREFULLY! The GAINSCHA software you are about to download will be licensed to you, the licensee, on the condition that you agree with GAINSCHA to the terms and conditions set forth in this legal agreement.

PLEASE READ THIS AGREEMENT CAREFULLY. YOU WILL BE BOUND BY THE TERMS OF THIS AGREEMENT IF YOU INSTALL, DOWNLOAD, COPY, OR OTHERWISE USE THE SOFTWARE. IF YOU DO NOT AGREE TO THE TERMS CONTAINED IN THIS AGREEMENT, PLEASE DO NOT INSTALL OR COPY THE SOFTWARE. Please record the date of download in order to activate the limited ninety (90) day warranty (see below).

[Checkboxes for accepting or declining the agreement]
c. Select the operation system that you're using, then click “next” to continue.

![Select OS (x86/x64) dialog box](image)

This Driver is suitable for Windows x86 and x64 OS.

d. Select GP-U80300 Series to continue.

![Detail Setting (x86/x64) dialog box](image)

This Driver is suitable for Windows x86 and x64 OS.
e. Select the corresponding printer port.

![Select Port (x86/x64)](image)

Specify Port
A port is used to connect a printer to the computer.
Specify the port that you are using. If you are connecting using TCP/IP or another port type not listed below, create a new port.

<table>
<thead>
<tr>
<th>Port</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>USB002</td>
<td>Virtual printer port for USB</td>
</tr>
<tr>
<td>USB001</td>
<td>Virtual printer port for USB</td>
</tr>
<tr>
<td>COM1</td>
<td>[Port Options]</td>
</tr>
<tr>
<td>COM2</td>
<td>[Port Options]</td>
</tr>
<tr>
<td>COM3</td>
<td>[Port Options]</td>
</tr>
<tr>
<td>LPT1</td>
<td>[Port Options]</td>
</tr>
<tr>
<td>LPT2</td>
<td>[Port Options]</td>
</tr>
<tr>
<td>LPT3</td>
<td>[Port Options]</td>
</tr>
</tbody>
</table>

Create Port... Configure Port...

This Driver is suitable for Windows x86 and x64 OS.