

# 2022 WiFi Barcode Printer Training Session

By Erin Wu 2022-3-15



# Review



**YOU'RE INVITED TO GAINSCHA TRAINING SESSION!**

## Barcode Printer Training

Date:

Session I:

8:00 am ~ 9:00 am , February 15, 2022 ( UTC/GMT )

16:00 pm ~ 17:00 pm , February 15, 2022 ( China Time)



**YOU'RE INVITED TO GAINSCHA TRAINING SESSION!**

## INDUSTRIAL PRINTER

Session I

FEB. 22, 2022

4~5 PM China Time

8-9 AM UTC/GMT

Session II

FEB.23, 2022

9~10 AM China Time

1~2 AM UTC/GMT



**YOU'RE INVITED TO GAINSCHA TRAINING SESSION!**

## SURPASS BARCODE PRINTER

Session I

MAR. 1, 2022

4~5 PM China Time

8-9 AM UTC/GMT

Session II

MAR.2, 2022

9~10 AM China Time

1~2 AM UTC/GMT



**YOU'RE INVITED TO GAINSCHA TRAINING SESSION!**

## PRINTER UTILITY

Session I

MAR. 8, 2022

4~5 PM China Time

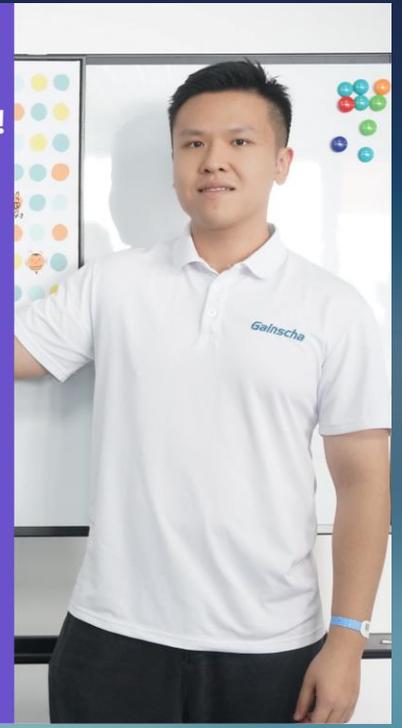
8-9 AM UTC/GMT

Session II

MAR.9, 2022

9~10 AM China Time

1~2 AM UTC/GMT



# Printer Connectivity

RS232

USB

Ethernet

Wi-Fi

Bluetooth

USB Host

# Gainscha

GI-2408T



Industrial Printer

GA-2408T



4 Inch T/T & DT

GS-2406T PLUS



4 Inch T/T & DT

GS-2406T



4 Inch T/T & DT

GS-2408D



4 Inch D/T

GS-2206T



2 Inch T/T & DT

GS-2208D



2 Inch D/T



# Printer Utility



Printer Utility v3.2.5(r)

## Gainscha

Printer Information

Printer Model :  
Printer Serial Number :  
Kernel Version :  
Printer Status :  
uBoot Version :

More Information

Load Printer Info.

Port Settings

USB RS232 Ethernet WIFI

Select Port :  
GAINSCHAGS-2406T PLUS [USB002]

Unit mm Converter

Language : English(US)

Command Tool File Manager

Printer Configuration Printer Function

Printer Setup

Gap Sensor Setup

2 Wifi Setup [ Option Device Status : Not Insatalled Refresh ]

Wifi Mode Connection : disconnected

Please note that the SSIDs are case sensitive! APSSID Signal Test

AP SSID Encrypt Algorit

Auth. Mode Wifi Password

IP Mode IP Address

Printer Name Gateway

Port Number Mask

Load Set

Bluetooth Setup [ Option Device Status : Not Insatalled Refresh ]

RS232 Setup

Ethernet Setup [ Option Device Status : Not Insatalled Refresh ]

Setting File

About(A) Exit(E)

**For Windows**

## Printer Settings

Printer Setup

Gap Sensor Setup

Wifi Setup Not Ready

Bluetooth Setup Not Ready

RS232 Setup

Ethernet Setup Not Ready

**For Android**

**For Android**



01

# Operation Guide for Windows PC users

# I. Get Started w/USB cable

## PREPARATION

Connect printer with PC via USB cable, turn on

Open PrinterUtility  
Find USB connection

Eg.: GS-2406T PLUS [USB002]

## NEXT STEP

Click (1) Load Printer Info  
Click (2) WiFi Setup

# 1. Load Printer Info

Firmware version

Printer Utility v3.2.5(r)

## Gainscha

Printer Information

Printer Model :  
GS-2406T PLUS Standard

Printer Serial Number :  
GSAFD210112000021

Kernel Version :  
G1.1.3.63R23

Printer Status :  
Ready

uBoot Version :  
G1.0.1.14

▶ More Information

Load Printer Info. **1** click here

Port Settings

USB  RS232  Ethernet  WIFI

Select Port :  
GAINSCHAGS-2406T PLUS [USB002]

Unit mm Converter

Language : English(US)

Command Tool

Printer Configuration

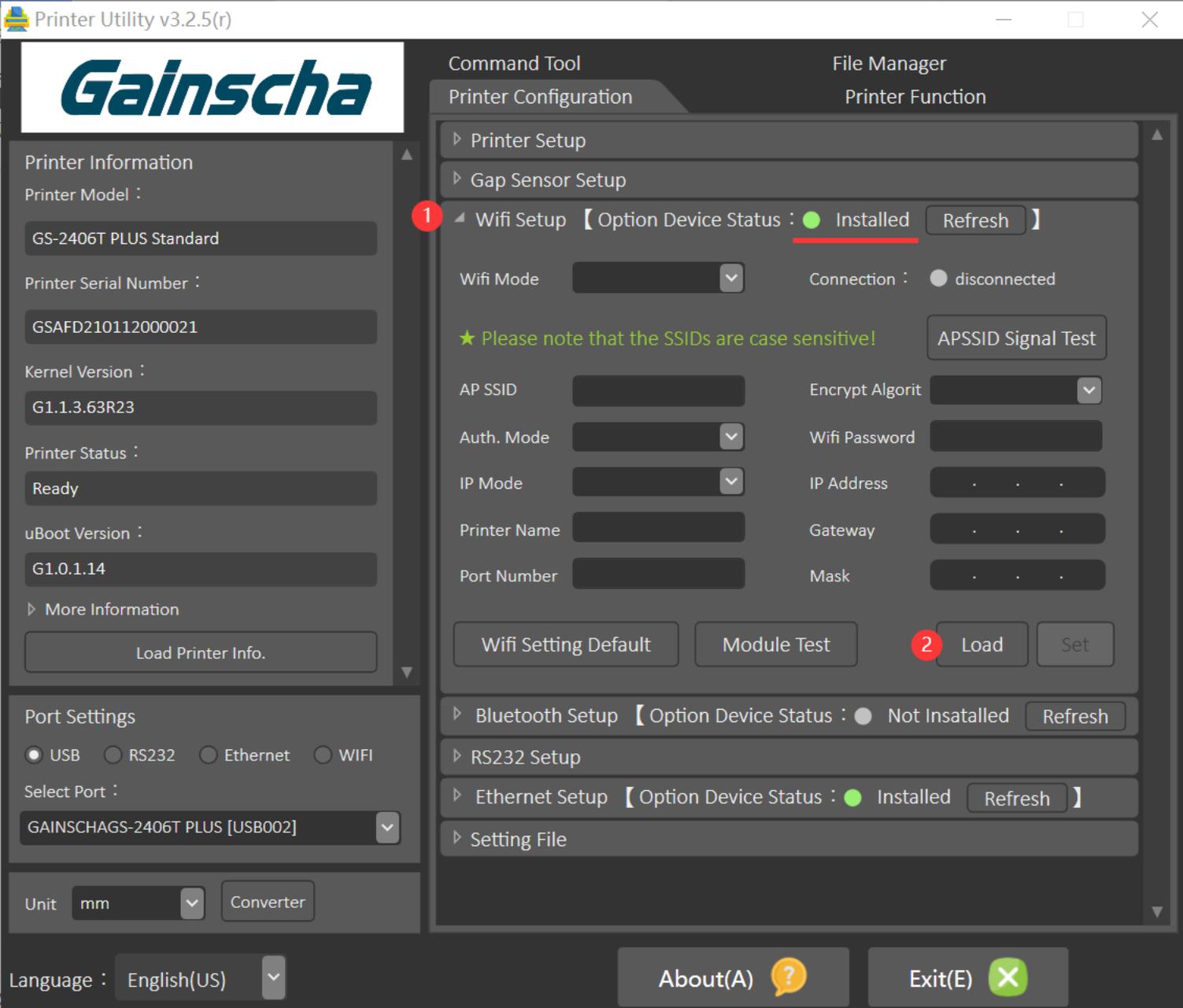
Printer Function

- ▶ Printer Setup
- ▶ Gap Sensor Setup
- ▶ Wifi Setup 【 Option Device Status :  Installed Refresh 】
- ▶ Bluetooth Setup 【 Option Device Status :  Not Insatalled Refresh 】
- ▶ RS232 Setup
- ▶ Ethernet Setup 【 Option Device Status :  Installed Refresh 】
- ▶ Setting File

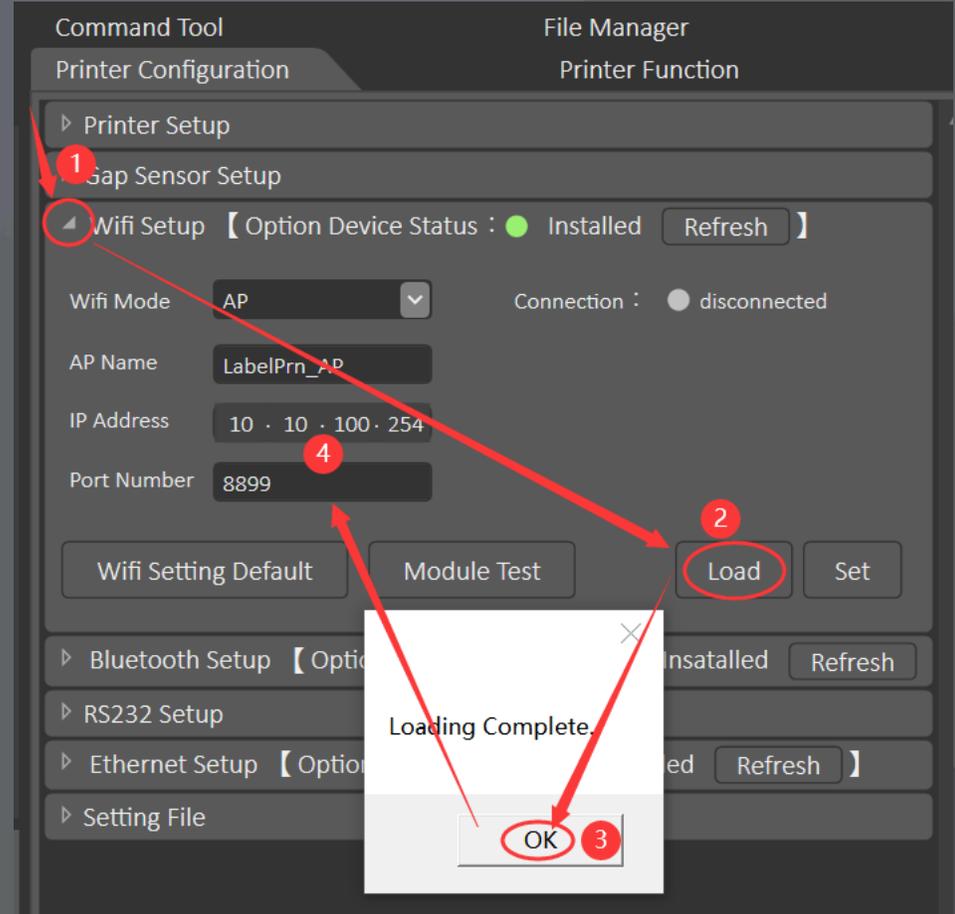
Loading Complete.

OK **2**

About(A) ? Exit(E) X



## 2. Load WiFi Printer Info



Default: AP mode

Wifi Setup 【 Option Device Status : ● Installed Refresh 】

Wifi Mode STA Connection : ● disconnected

★ Please note that the SSIDs are case sensitive!

AP SSID newifi Encrypt Algorithm AES APSSID Signal Test

Auth. Mode WPA2-PSK Wifi Password GPRINTER2016

IP Mode Static IP IP Address 192 · 168 · 123 · 156

Printer Name Label Printer Gateway 192 · 168 · 123 · 1

Port Number 9100 Mask 255 · 255 · 255 · 0

Wifi Setting Default Module Test Load Set

Writing complete, please restart the printer!

确定

It takes a little time to restart the WIFI  
⚠ module after setting, please wait before loading!

Close

### 3. Follow above to set, connect to local WiFi network

Set new IP address, eg.: 192.168.123.156

Make sure new IP address is available, not used by other ethernet devices.

Click Set, wait for writing complete, then printer will give a beeper sound. Restart, COMM. (Red) & Power(Blue) LED goes on, **setting is done.**

## II. Get Started w/pre-set IP address

change new IP

### Scan Device

to find your WiFi Printer

Eg: 192.168.123.157

### Then

Repeat operation

Click Load Printer Info.

Click Wifi Setup to check current setting

Printer Utility v3.2.5(r)

# Gainscha

Printer Information

Printer Model : GS-2406T PLUS Standard

Printer Serial Number : GSAFD210112000021

Kernel Version : G1.1.3.63R23

Printer Status : Ready

uBoot Version : G1.0.1.14

More Information

Load Printer Info.

Port Settings

USB  RS232  Ethernet  **WIFI**

Select Port : 192.168.123.156:9100

**Scan Device**

Unit mm Converter

Language : English(US)

Command Tool

Printer Configuration

Printer Function

Printer Setup

Gap Sensor Setup

Wifi Setup [ Option Device Status : Installed Refresh ]

Wifi Mode STA

★ Please note that the SSIDs are

AP SSID newifi

Auth. Mode WPA2-PSK

IP Mode Static IP

Printer Name Label Printer

Port Number 9100

Wifi Setting Default

Bluetooth Setup [ Option Device Status : Installed Refresh ]

RS232 Setup

Ethernet Setup [ Option Device Status : Installed Refresh ]

Setting File

Search Wifi Printer

IP Address	MAC Address
192.168.123.157	34:ea:e7:00:1d:c1

★ If searched no data, please try searching again.

Set WIFI Port : 9100

Search Select Exit

About(A) ? Exit(E) X

Printer Utility v3.2.5(r)

# Gainscha

Printer Information  
Printer Model : GS-2406T PLUS Standard  
Printer Serial Number : GSAFD210112000021  
Kernel Version : G1.1.3.63R23  
Printer Status : Ready  
uBoot Ver : G1.0.1.1

Port Settings  
 USB  RS232  Ethernet  WIFI  
Select Port : 192.168.123.157:9100  
Unit : mm

Command Tool  
Printer Configuration

File Manager  
Printer Function

Printer Setup  
Gap Sensor Setup

Wifi Setup [Option Device Status : ● Installed Refresh]

Wifi Mode : STA Connection : ● Connected

★ Please note that the SSIDs are case sensitive!

AP SSID : newifi Encrypt Algorit : AES  
Auth. Mode : WPA2-PSK Wifi Password : GPRINTER2016  
IP Mode : Static IP IP Address : 192 · 168 · 123 · 156  
Printer Name : Label Printer Gateway : 192 · 168 · 123 · 1  
Port Number : 9100 Mask : 255 · 255 · 255 · 0

Buttons: Wifi Setting Default, Module Test, Load, Set

Bluetooth Setup [Option Device Status : ● Not Insatalled Refresh]  
RS232 Setup  
Ethernet Setup [Option Device Status : ● Installed Refresh]  
Setting File

Language : English(US) About(A) Exit(E)

Set WIFI module successfully!

OK

Wifi Password GPRINTER2016

The connection is lost, please restart the printer and connect again!

OK

Set new IP: 192.168.123.156, you'll see popup window: Set WIFI module successfully! --> click OK --> popup window: The connection is lost, restart the printer.

### III. About Default setting

Wifi Setup 【Option Device Status : ● Installed Refresh】

Wifi Mode: STA Connection: ● disconnected

★ Please note that the SSIDs are c

AP SSID: newifi

Auth. Mode: WPA2-PSK

IP Mode: Static IP

Printer Name: Label Printer

Port Number: 9100

Waiting for WIFI module resetting...

26 Secs

Stop Waiting

Wifi Setting Default

Printer Utility v3.2.5(r)

**Gainscha**

Printer Information

Printer Model : GS-2406T PLUS Standard

Printer Serial Number : GSAFD210112000021

Kernel Version : G1.1.3.63R23

Printer Status : Ready

uBoot Version : G1.0.1.14

More Information

Load Printer Info.

Port Settings

USB  RS232  Ethernet  WIFI

Select Port : GAINSCHAGS-2406T PLUS [USB002]

Unit: mm Converter

Language : English(US)

Command Tool

Printer Configuration

File Manager

Printer Function

Printer Setup

Gap Sensor Setup

Wifi Setup 【Option Device Status : ● Installed Refresh】

Wifi Mode: AP Connection: ● disconnected

AP Name: LabelPrn\_AP

IP Address: 10 . 10 . 100 . 254

Port Number: 8899

Wifi Setting Default

Module Test

Bluetooth Setup 【Option Device Status : ● Not Installed Refresh】

RS232 Setup

Ethernet Setup 【Option Device Status : ● Installed Refresh】

Setting File

Loading Complete.

OK

Follow popup window to set; Then select to set STA mode, write new IP address etc.

# About Default setting

Printer Utility v3.2.5(r)

## Gainscha

Printer Information

Printer Model : GS-2406T PLUS Standard

Printer Serial Number : GSAFD210112000021

Kernel Version : G1.1.3.63R23

Printer Status : Ready

uBoot Version : G1.0.1.14

More Information

Load Printer Info.

Port Settings

USB  RS232  Ethernet  WIFI

Select Port : GAINSCHAGS-2406T PLUS [USB002]

Unit : mm Converter

language : English(US)

Command Tool

Printer Configuration

Printer Function

Printer Setup

Gap Sensor Setup

Wifi Setup 【 Option Device Status :  Installed Refresh 】

Wifi Mode : STA Connection :  disconnected

★ Please note that the SSIDs are case sensitive! APSSID Signal Test

AP SSID : newifi Encrypt Algorit : AES

Auth. Mode : WPA2-PSK Wifi Password : GPRINTER2016

IP Mode : Static IP

Printer Name : Label Printer

Port Number : 9100

Wifi Setting Default Mod

Bluetooth Setup 【 Option Device Status :  Not Insatalled Refresh 】

RS232 Setup

Ethernet Setup 【 Option Device Status :  Installed Refresh 】

Setting File

Writing complete, please restart the printer!

确定

About(A) ? Exit(E) X

Part I. Get started from default setting with USB cable (AP mode)

Part II. To change a new IP address at STA mode

Part III. Get back to factory default setting (AP mode)

\* AP mode and STA mode

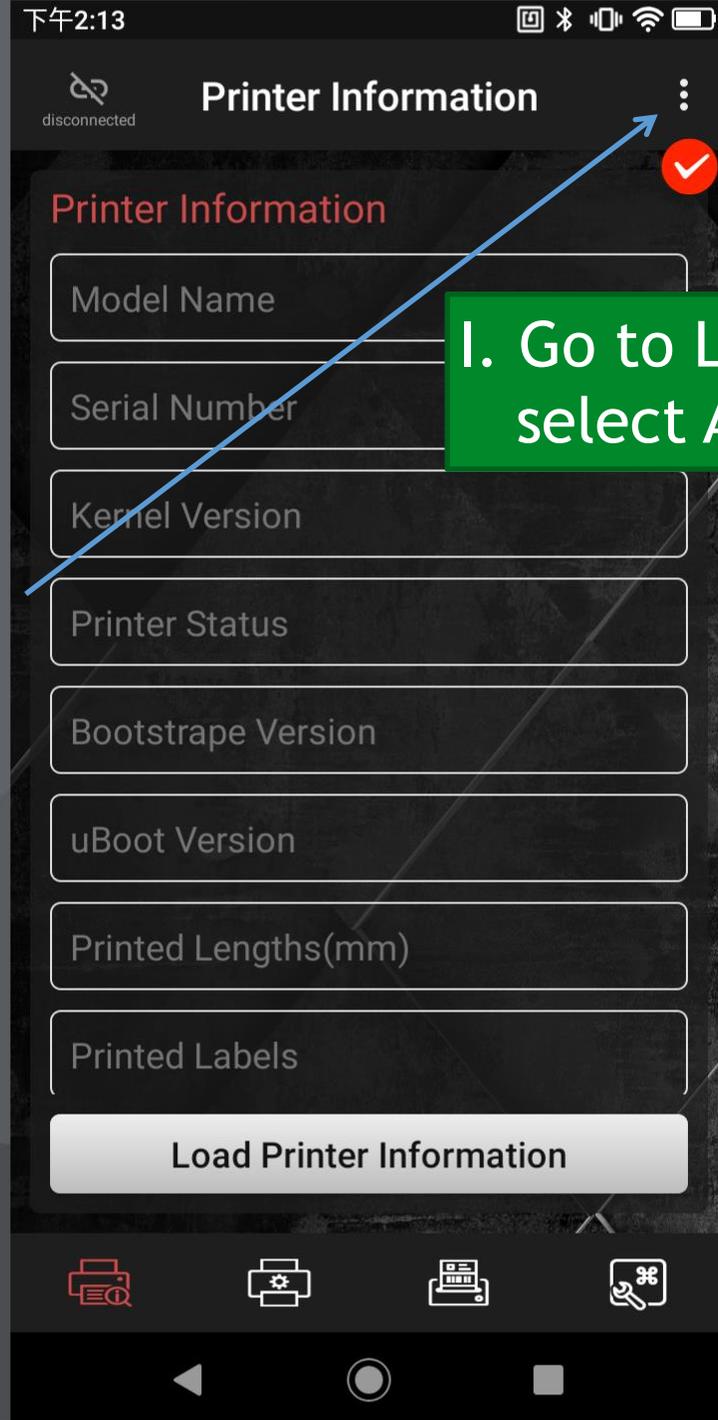
**Station Mode (STA)** is what most people would consider the normal mode for a WiFi device. In this instance your phone is running in Station Mode.

In **Access Point(AP)** Mode, the device is the Access Point and so becomes an entity that everything else can connect to, rather than it connecting to a network.

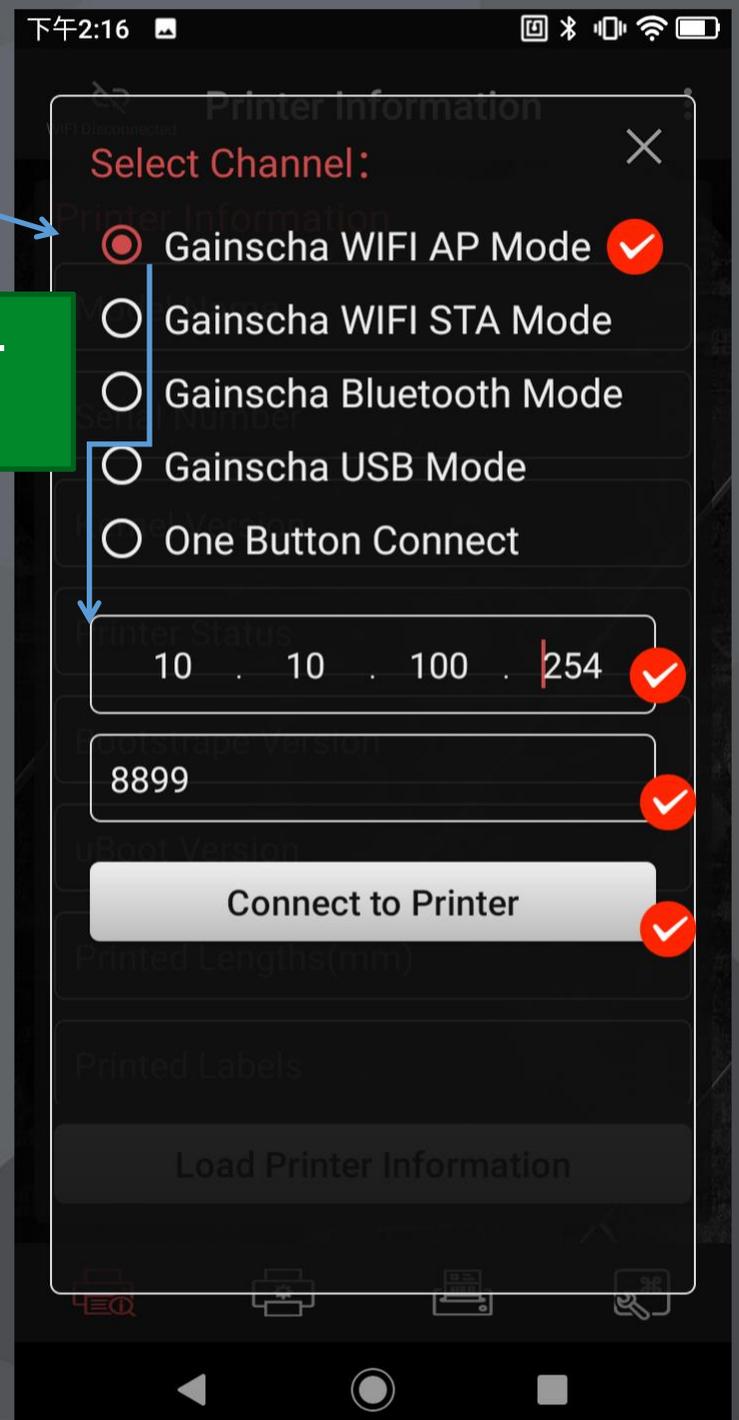


02

# Operation Guide for Android users



I. Go to Link Setting -  
select AP mode



## II. Connect your Andriod PDA/phone with printer LabelPrn\_AP

### Activate WIFI

Before conneting to the printer, activate WIFI and connect to the

"LabelPrn\_AP" first.

If this AP name does not exist, reset the AP name and connect again

please.

Connect to Printer

GO TO SET 

SET AP NAME

Load Printer Information

### Wi-Fi

Use Wi-Fi 

-  LabelPrn\_AP  
Connected,  internet 
-  TP-LINK\_5G\_349A  
Saved 
-  newifi  
Saved 
-  润企  

-  TP-LINK\_349A  

-  VITOFFICE\_5G  

-  Add network

Wi-Fi preferences  
Wi-Fi turns back on automatically

Saved networks

## III. Load Your Printer Info

### Printer Information

Model Name: GS-2406T PLUS  
Standard

Serial Number:  
GSAFD210112000021

Kernel Version: G1.1.3.63R23

Printer Status: Ready

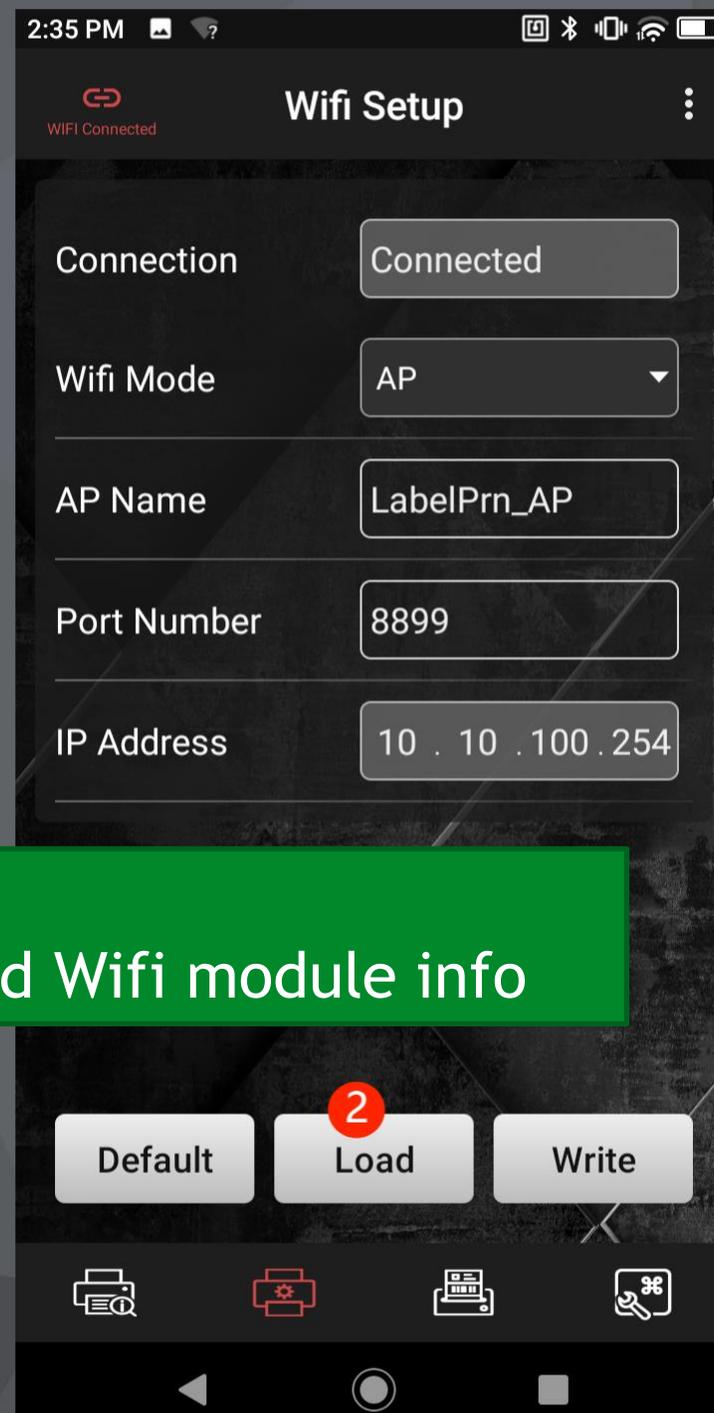
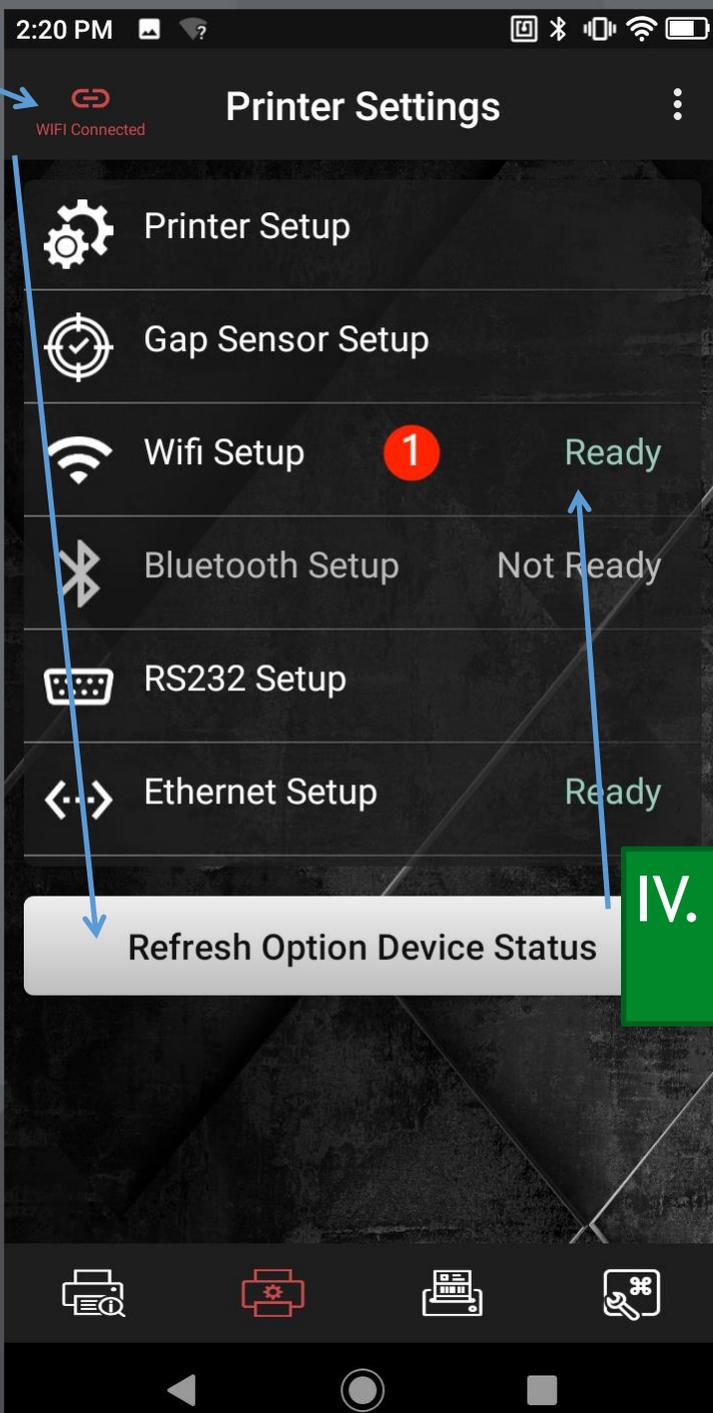
Bootstrap Version: 1.0

uBoot Version: G1.0.1.14

Printed Lengths(mm): 187284

 Load Printer Information





IV. Click **Wifi Setup**  
Click **Load** to load Wifi module info

V. Set to connect your local network

Wifi Setup

Authentication: WPA2-PSK ✓

Wifi Password: GPRINTER2016 ✓

IP Mode: Static IP ✓

Printer Name: LabelPrinter ✓

IP Address: 192.168.123.156 ✓

Gateway: 192.168.123.1 ✓

Mask: 255.255.255.0 ✓

Buttons: Default, Load, Write ✓

Wifi Setup

Printer Name: Label Printer

IP Address: 192.168.123.156 ✓

Gateway: 192.168.123.1

Mask: 255.255.255.0

Buttons: Default, Load, Write ✓

Wifi Setup

Authentication: WPA2-PSK

Wifi Password: GPRINTER2016

The WIFI module will restart after setting, please connect to WIFI again. ✓

Buttons: CLOSE ✓

VI. Click "Write" to proceed new setting. Printer will give "di" sound once setting done.

## VII. Go back to **Link Setting**

Select **STA** mode, input new IP address

Connect your Android PDA/Phone with WiFi printer again. And take a print test.

Wifi Setup

Select Channel:

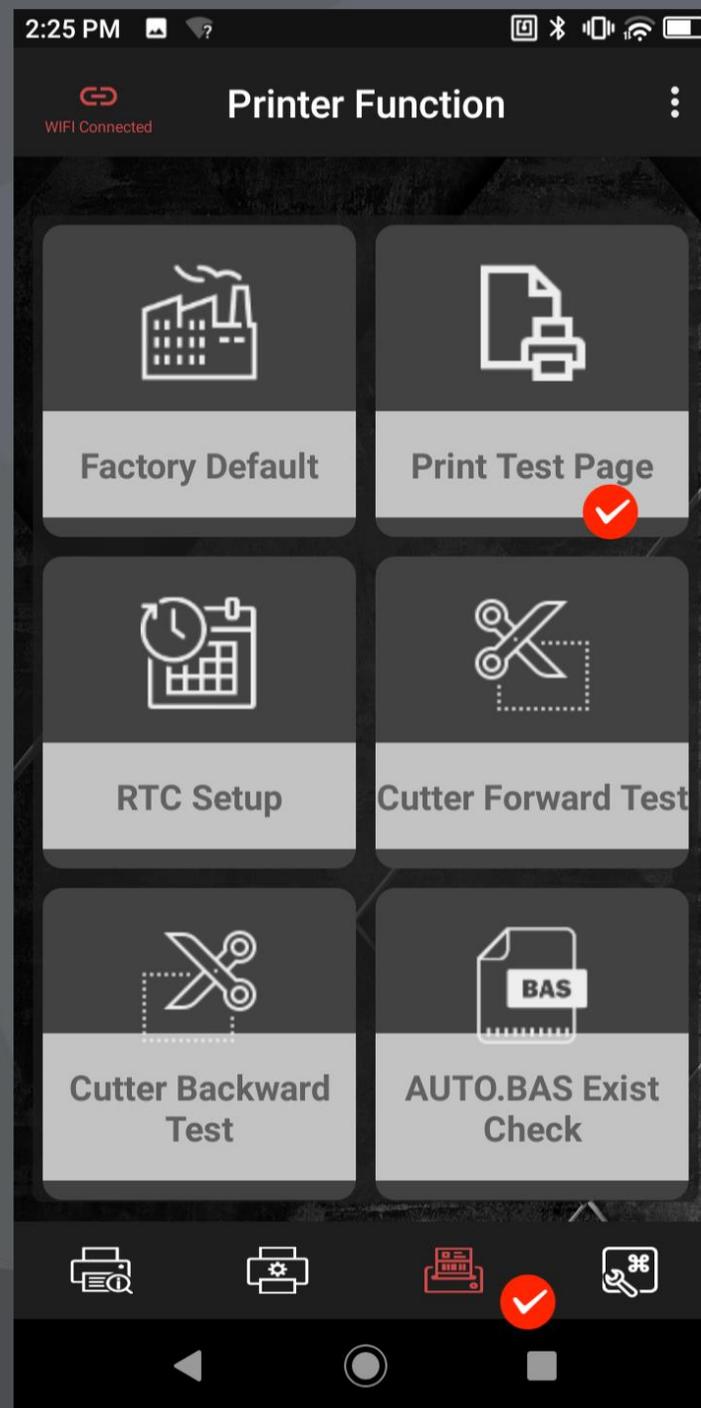
- Gainscha WIFI AP Mode
- Gainscha WIFI STA Mode
- Gainscha Bluetooth Mode
- Gainscha USB Mode
- One Button Connect

Input IP and Port:

192 . 168 . 123 . 156

8899

Connect to Printer





03



# Questions Answers

## 1. How to check the IP address is taken up by other devices or not? ---> Run ipconfig

A command line utility that is used to display and manage the IP address assigned to the machine.



## 2. How to run a ping network test

Right click the windows button in the lower left of your screen.



Click "run"

Type "cmd" to bring up the Command Prompt.

Open the Command Prompt.

Type "ping + IP address" in the black box and hit the space bar.

**Example: C:\Users\Lenovo>ping 192.168.123.156**

Type the IP address you'd like to ping as per your network(e.g., XXX. XXX. X.X). Review the ping results displayed. If can not receive ping result, it means this IP address is not taken by other Ethernet device.

C:\Windows\system32\cmd.exe

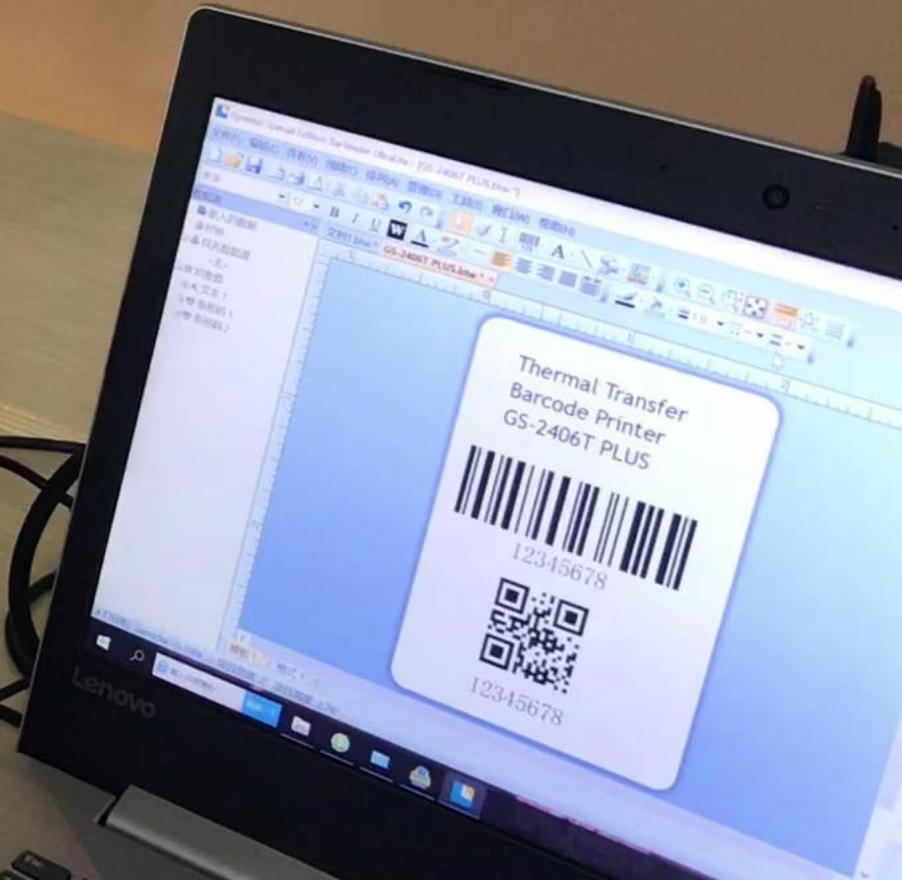


Microsoft Windows [版本 10.0.22000.556]  
(c) Microsoft Corporation。保留所有权利。

C:\Users\Lenovo>



# SURPASS BARCODE PRINTER 🙄🙄





04

Download

[www.gainscha.com.tw](http://www.gainscha.com.tw)



### Intelligent Industrial Printer

Perfect seamless high performance connection for wireless printing



# Website Download

The screenshot shows a web browser window with the address bar containing the URL `www.gainscha.com.tw/view/meinv.html?pid=30&qt=1`. The page content includes a heading and a list of seven menu items, each with a red numbered circle and a dropdown arrow.

Find Manuals, Drivers and Software, Utilities, SDK, Video and FAQ information related to your product by selecting the following options.

- 1 Driver & Software
- 2 Utilities
- 3 SDK
- 4 Catalog
- 5 Brochure
- 6 Manual
- 7 Quick Start Guide

**Label Designer**

**Printer Driver**

**Test & Operate**

**Printer Upgrade**

**Bartender**

Industry leading software  
Free edition

**Driver & SDK**

Windows Driver  
Linux Driver  
Android SDK  
iOS SDK

**Technical Support**

Windows Utility  
Android Utility  
User manual  
Quick guide  
Video  
FAE support

**Upgrade Utility**

Remote upgrade  
Firmware maintainable

Upcoming

*Gainscha*

YOU'RE INVITED TO  
GAINSCHA  
TRAINING SESSION!

## BLUETOOTH BARCODE PRINTER

Session I  
MAR. 22, 2022  
4~5 PM China Time  
8-9 AM UTC/GMT

Session II  
MAR. 23, 2022  
9~10 AM China Time  
1~2 AM UTC/GMT



# Upcoming

# Gainscha

**Gainscha**  
Reliable and Innovative

## 300dpi High Resolution Family Receipt Printer

- 300dpi high-definition resolution printing
- Front LED display for tool-less printer settings
- Connect to multiple devices simultaneously
- Support 50% more content printed compared with traditional printer in the same page length

GA-S300



GA-F3300



- 300dpi print resolution to set new industry standard
- Front paper output design, smooth paper output without paper jam
- Connect to multiple devices simultaneously
- Easy to operate features

YOU'RE INVITED TO  
GAINSCHA  
TRAINING SESSION!

**SUPERIOR  
300DPI  
POS  
PRINTER**

MAR. 29, 2022  
4~5 PM China Time  
8-9 AM UTC/GMT

MAR.30, 2022  
9~10 AM China Time  
1~2 AM UTC/GMT



**Thank You!**  
**See you in next training session**