

# DR5018 USER MANUAL

- 1.IPQ5018 UI settings
- 2.DR5018 UART configuration

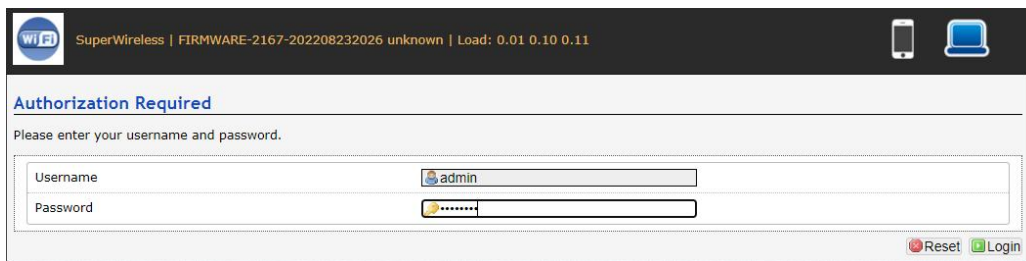
**DR5018**



## IPQ5018 UI setting

1. Input the IP 192.168.1.1 and login

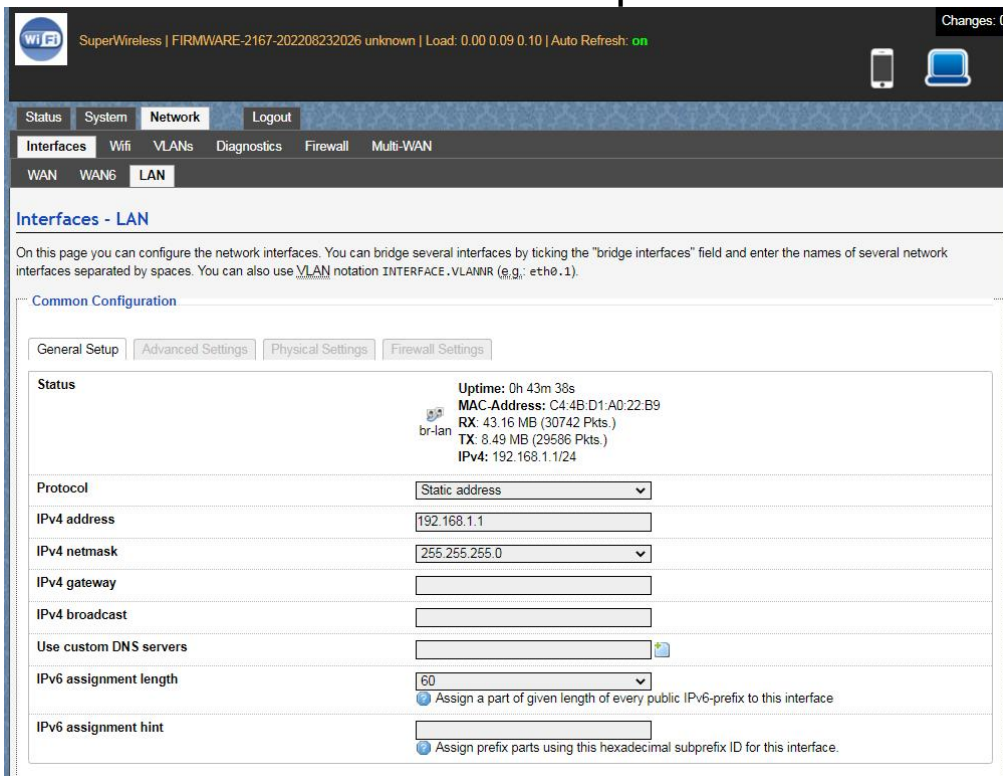
2. Input the username “admin” password “password” then press the button “Login”



The screenshot shows the login interface of the Wallys device. At the top, it displays 'SuperWireless | FIRMWARE:2167-202208232026 unknown | Load: 0.01 0.10 0.11'. Below this, there is a section titled 'Authorization Required' with the instruction 'Please enter your username and password.' There are two input fields: 'Username' with the value 'admin' and 'Password' with masked characters. At the bottom right, there are 'Reset' and 'Login' buttons.

3. Network setting

- IP Setting: setting IP in the path "network->Interfaces->LAN->IPV4 address"
- DHCP setting:DHCP and other protocol setting in the path network-> Interfaces-> LAN->protocol"



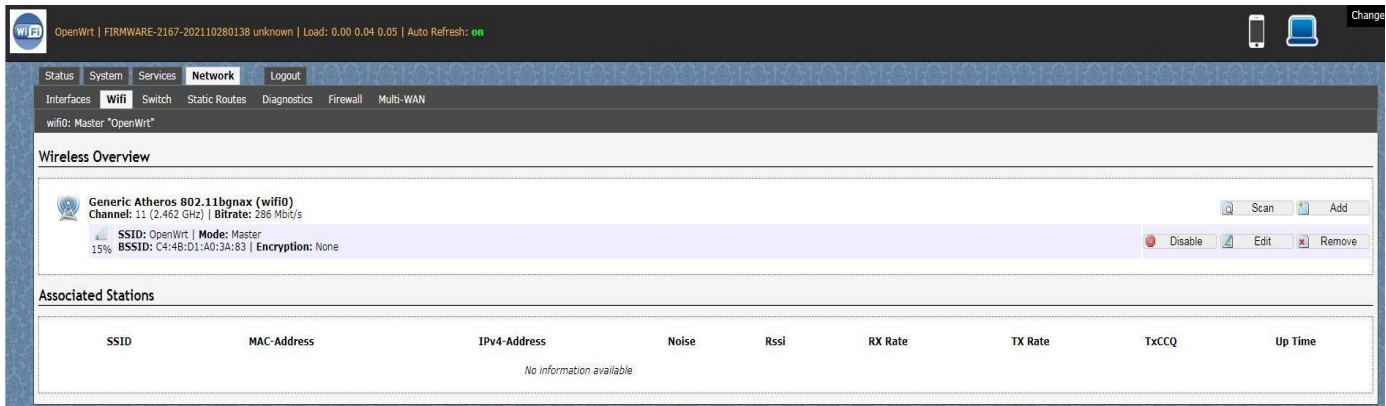
The screenshot shows the 'Interfaces - LAN' configuration page. The top navigation bar includes 'Status', 'System', 'Network', and 'Logout'. Under 'Network', there are sub-menus for 'Interfaces', 'Wifi', 'VLANs', 'Diagnostics', 'Firewall', and 'Multi-WAN'. The 'LAN' sub-menu is selected. The page title is 'Interfaces - LAN'. Below the title, there is a descriptive paragraph: 'On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use \VLAN notation INTERFACE.VLANNR (e.g., eth0.1).' There are three tabs: 'General Setup', 'Advanced Settings', and 'Physical Settings'. The 'General Setup' tab is active. The configuration fields are as follows:

Status	Uptime: 0h 43m 38s MAC Address: C4:4B:D1:A0:22:B9 br-lan RX: 43.16 MB (30742 Pkts.) TX: 8.49 MB (29586 Pkts.) IPv4: 192.168.1.1/24
Protocol	Static address
IPv4 address	192.168.1.1
IPv4 netmask	255.255.255.0
IPv4 gateway	
IPv4 broadcast	
Use custom DNS servers	
IPv6 assignment length	60
IPv6 assignment hint	

## IPQ5018 UI setting

### 4. Wireless setting

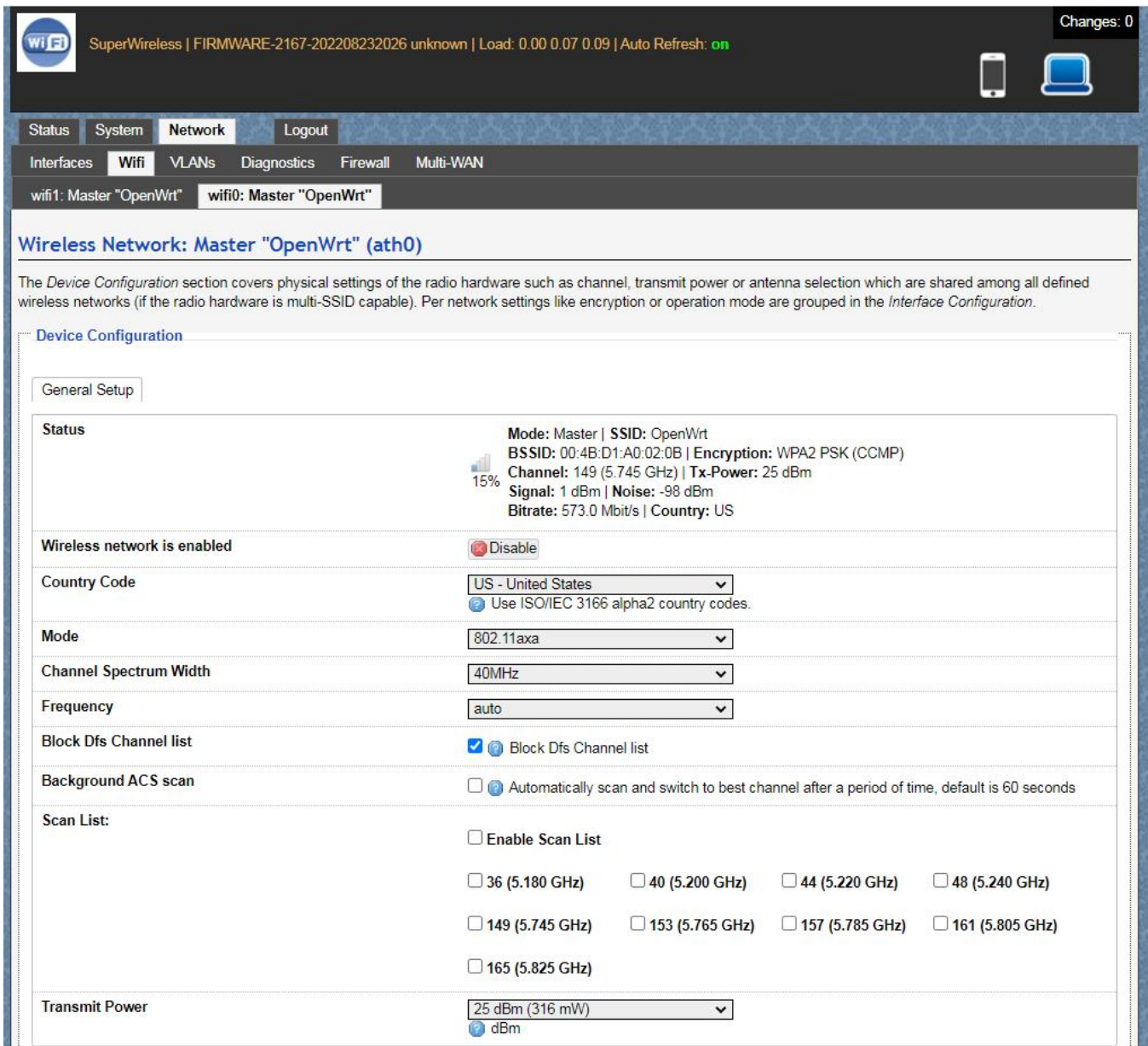
login the path network->Interfaces->WIFI, then choose one wifi,we select the red marked as example,click the button 'Edit'



## IPQ5018 UI setting

The detail information show in the picture as below:

- Channel:for channel select;
  - Transmit Power:signal chain power setting; ESSID:for ID
  - Mode:it support 4 mode AP,AP(WDS),client,client(WDS)
- ### Wireless
- Security: for Encryption setting



The screenshot displays the 'Wireless Network: Master "OpenWrt" (ath0)' configuration page. At the top, there is a status bar with a WiFi icon, the text 'SuperWireless | FIRMWARE-2167-202208232026 unknown | Load: 0.00 0.07 0.09 | Auto Refresh: on', and a 'Changes: 0' indicator. Below this are navigation tabs for 'Status', 'System', 'Network', and 'Logout'. Under 'Network', there are sub-tabs for 'Interfaces', 'Wifi', 'VLANs', 'Diagnostics', 'Firewall', and 'Multi-WAN'. The 'Wifi' sub-tab is active, showing 'wifi1: Master "OpenWrt"' and 'wifi0: Master "OpenWrt"'. The main content area is titled 'Wireless Network: Master "OpenWrt" (ath0)' and contains a 'Device Configuration' section. This section has a 'General Setup' sub-tab and includes the following settings:

- Status:** Mode: Master | SSID: OpenWrt | BSSID: 00:4B:D1:A0:02:0B | Encryption: WPA2 PSK (CCMP) | Channel: 149 (5.745 GHz) | Tx-Power: 25 dBm | Signal: 1 dBm | Noise: -98 dBm | Bitrate: 573.0 Mbit/s | Country: US
- Wireless network is enabled:**  Disable
- Country Code:** US - United States (Use ISO/IEC 3166 alpha2 country codes)
- Mode:** 802.11axa
- Channel Spectrum Width:** 40MHz
- Frequency:** auto
- Block Dfs Channel list:**  Block Dfs Channel list
- Background ACS scan:**  Automatically scan and switch to best channel after a period of time, default is 60 seconds
- Scan List:**
  - Enable Scan List
  - 36 (5.180 GHz)  40 (5.200 GHz)  44 (5.220 GHz)  48 (5.240 GHz)
  - 149 (5.745 GHz)  153 (5.765 GHz)  157 (5.785 GHz)  161 (5.805 GHz)
  - 165 (5.825 GHz)
- Transmit Power:** 25 dBm (316 mW) (dBm)

## IPQ5018 UI setting

In advance setting you can select which chain do you need, which BW do you need and so on

Interface Configuration

General Setup | Wireless Security | MAC-Filter | Advanced Settings

ESSID	OpenWrt
Mode	Access Point (WDS)
Guard Interval	Short
Hide ESSID	<input type="checkbox"/>

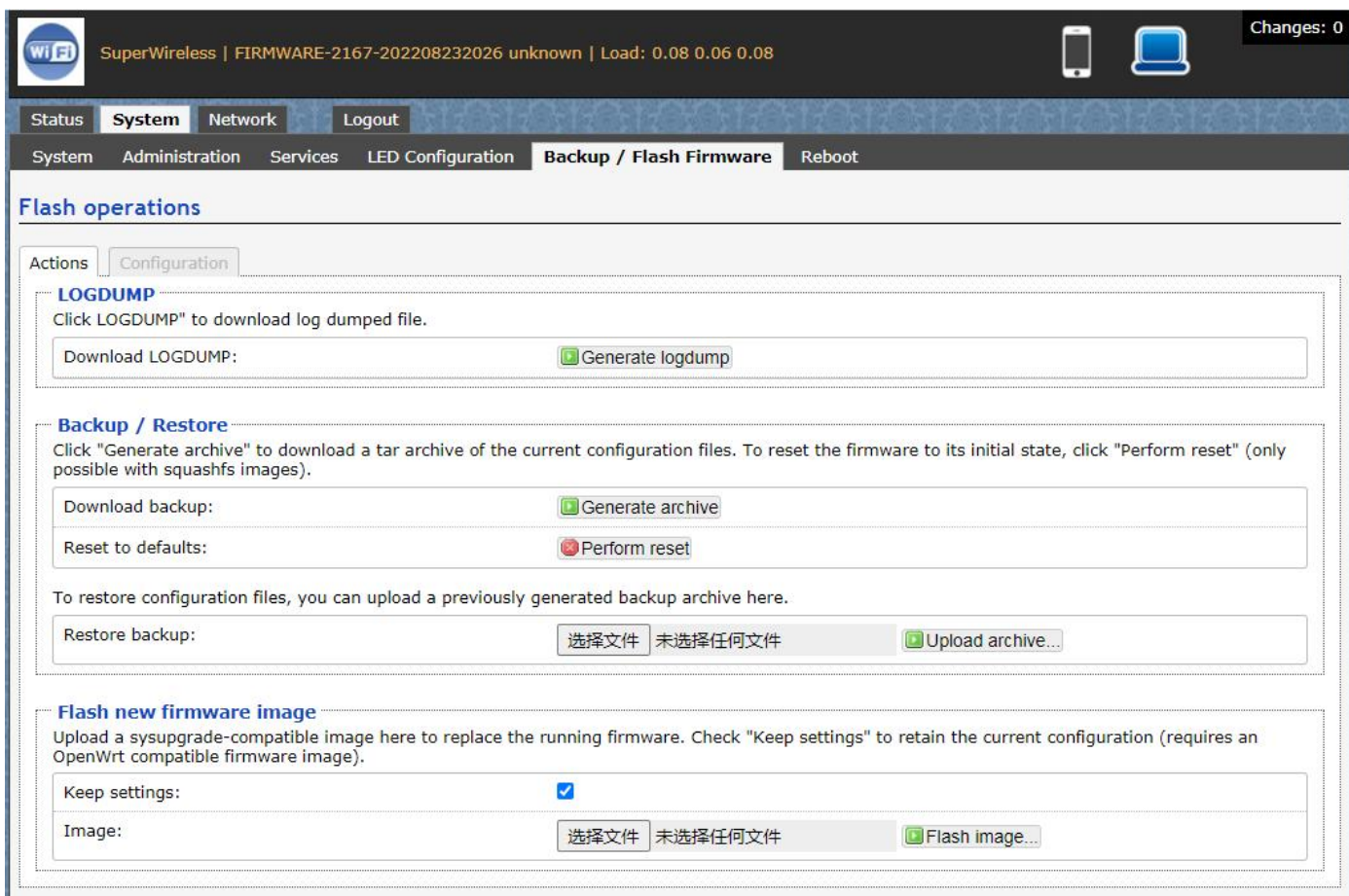
[Back to Overview](#) [Reset](#) [Save](#) [Save & Apply](#)

In the end, you need click the button “Save & Apply”, and wait for 2 minutes, then you can enjoy it.

## IPQ5018 UI setting

### 5. Backup archive

Login System->Backup/Flash Firmware;  
Then click the button “Generate archive”  
Then download the archive



The screenshot shows the Wallys IPQ5018 web interface. At the top, there is a status bar with a Wi-Fi icon, the text "SuperWireless | FIRMWARE-2167-202208232026 unknown | Load: 0.08 0.06 0.08", and icons for a smartphone and a laptop. The top navigation bar includes "Status", "System", "Network", and "Logout". Below this, a secondary navigation bar has "System", "Administration", "Services", "LED Configuration", "Backup / Flash Firmware", and "Reboot". The main content area is titled "Flash operations" and has two tabs: "Actions" (selected) and "Configuration".

**LOGDUMP**  
Click LOGDUMP" to download log dumped file.  
Download LOGDUMP:

**Backup / Restore**  
Click "Generate archive" to download a tar archive of the current configuration files. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images).  
Download backup:   
Reset to defaults:   
To restore configuration files, you can upload a previously generated backup archive here.  
Restore backup:  未选择任何文件

**Flash new firmware image**  
Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires an OpenWrt compatible firmware image).  
Keep settings:   
Image:  未选择任何文件



## IPQ5018 UI setting

### 6.Update new image

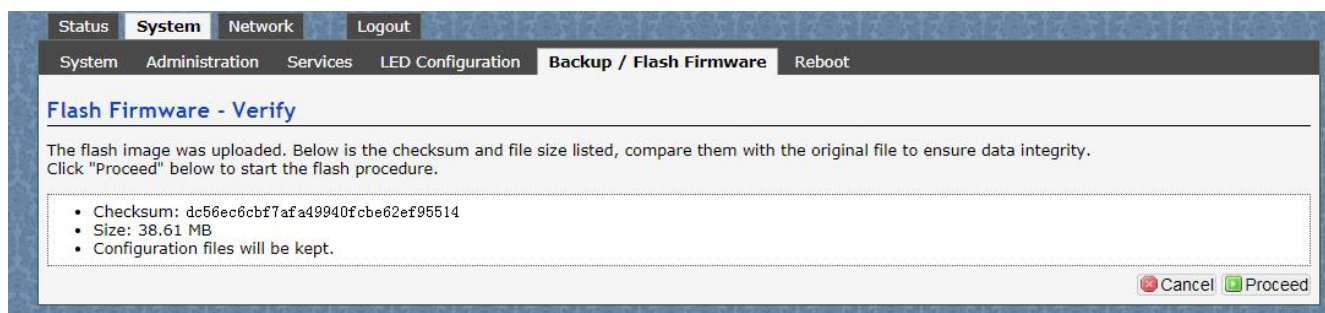
Login System->Backup/Flash Firmware;

Then click the button “ flash image”

Then click the button “Proceed” warning don't power off wait for about three minutes

Then the system will reboot automatic.

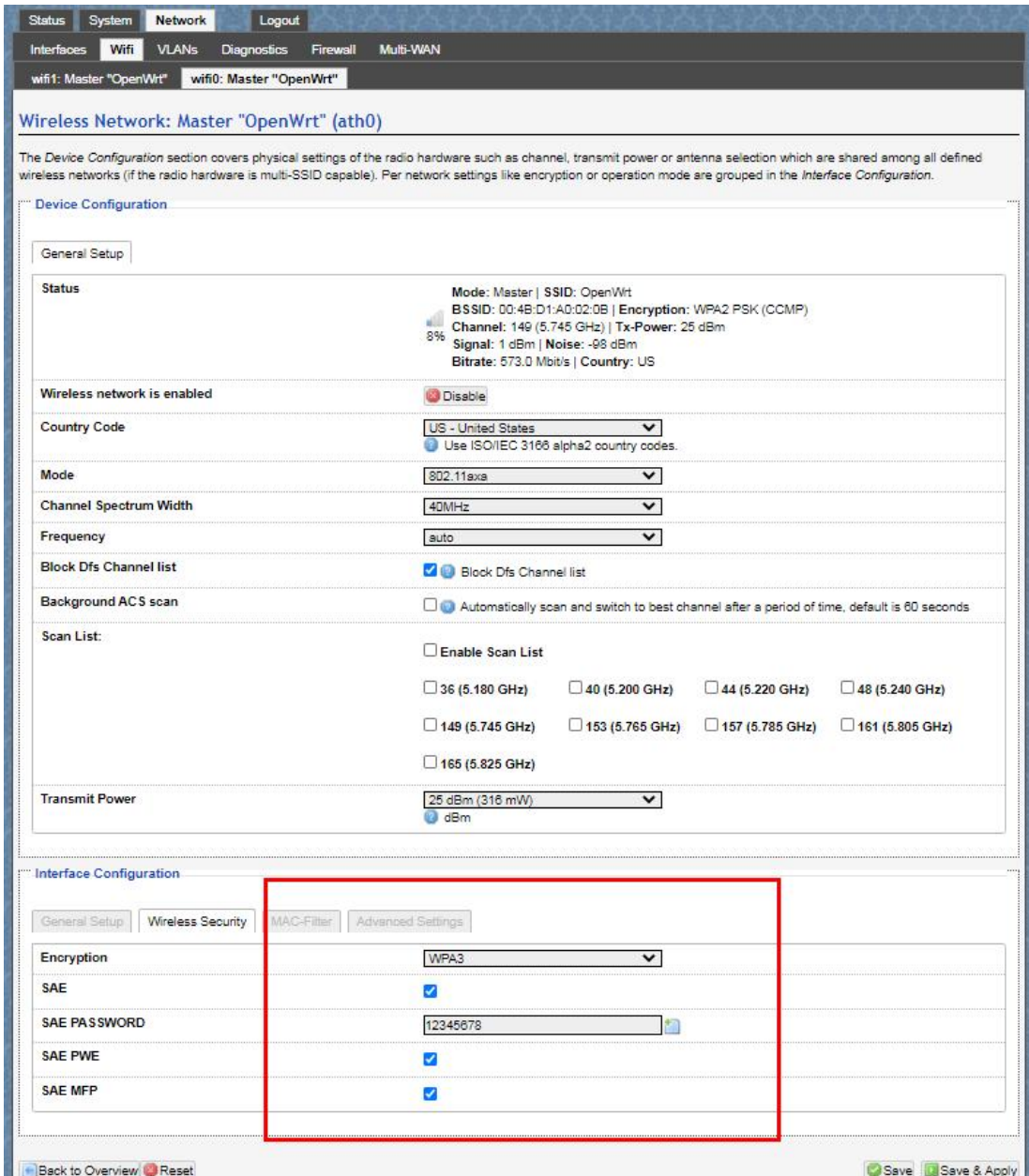
Then login again,you can enjoy it.



## IPQ5018 UI setting

### 7. wireless encryption

Login System->Network/wifi/Edit->Choose 5G radio  
 Country Code choose " US " click the button "Wireless Security"  
 Then choose "WPA3" and set password  
**Notice:SAE/SAE PWE/SAE MFP click " ✓ "**



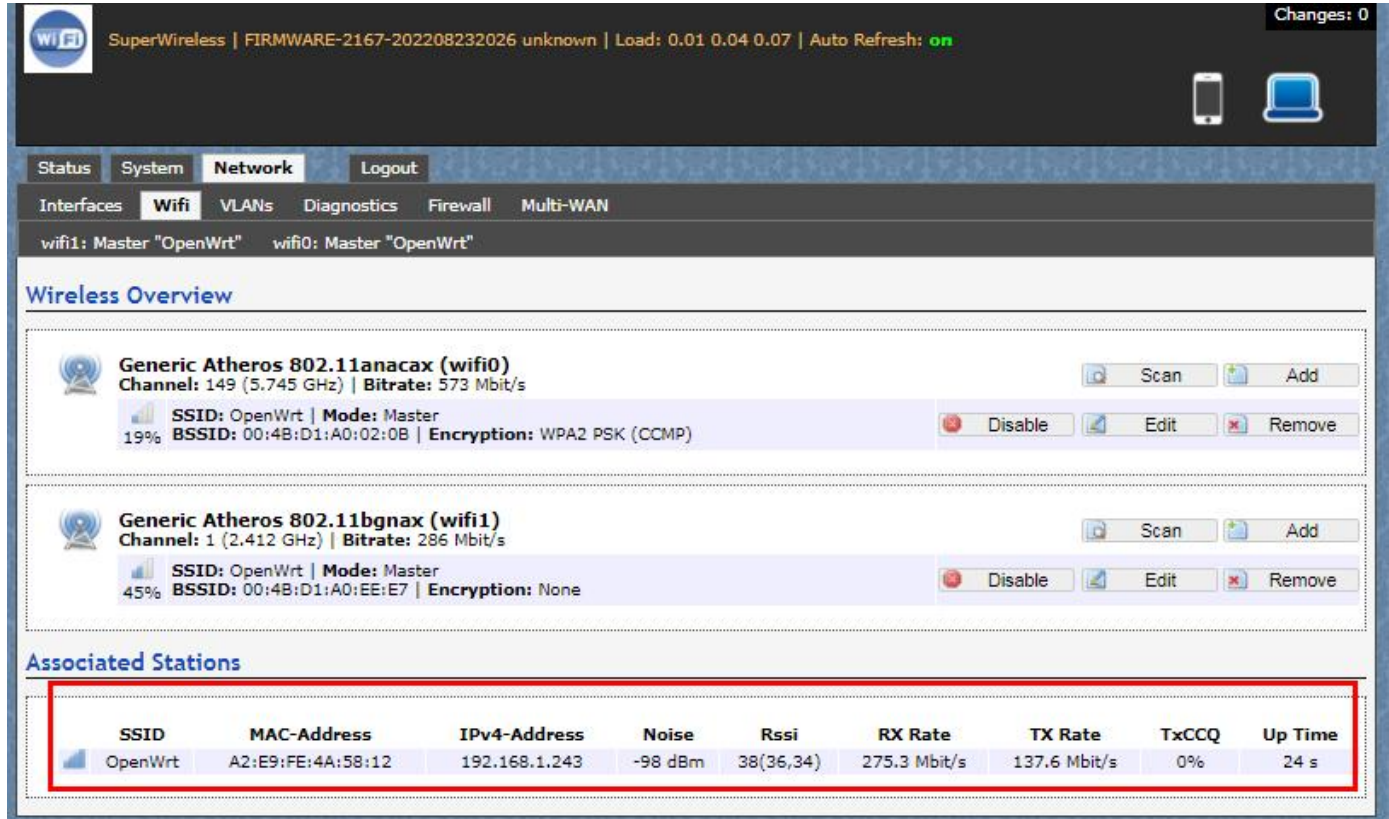
The screenshot shows the 'Wireless Network: Master "OpenWrt" (ath0)' configuration page. The 'Interface Configuration' section is active, and the 'Wireless Security' tab is selected. The security settings are as follows:

Setting	Value
Encryption	WPA3
SAE	<input checked="" type="checkbox"/>
SAE PASSWORD	12345678
SAE PWE	<input checked="" type="checkbox"/>
SAE MFP	<input checked="" type="checkbox"/>





## IPQ5018 UI setting

### 7. wireless encryption



SuperWireless | FIRMWARE-2167-202208232026 unknown | Load: 0.01 0.04 0.07 | Auto Refresh: **on** Changes: 0

WiFi icons:  

Navigation: Status | System | **Network** | Logout

Sub-navigation: Interfaces | **Wifi** | VLANs | Diagnostics | Firewall | Multi-WAN

wifi1: Master "OpenWrt"    wifi0: Master "OpenWrt"

#### Wireless Overview

**Generic Atheros 802.11anacax (wifi0)** Scan Add  
 Channel: 149 (5.745 GHz) | Bitrate: 573 Mbit/s  
 SSID: OpenWrt | Mode: Master | 19%  
 BSSID: 00:4B:D1:A0:02:0B | Encryption: WPA2 PSK (CCMP) Disable Edit Remove

**Generic Atheros 802.11bgnax (wifi1)** Scan Add  
 Channel: 1 (2.412 GHz) | Bitrate: 286 Mbit/s  
 SSID: OpenWrt | Mode: Master | 45%  
 BSSID: 00:4B:D1:A0:EE:E7 | Encryption: None Disable Edit Remove

#### Associated Stations

SSID	MAC-Address	IPv4-Address	Noise	Rssi	RX Rate	TX Rate	TxCCQ	Up Time
OpenWrt	A2:E9:FE:4A:58:12	192.168.1.243	-98 dBm	38(36,34)	275,3 Mbit/s	137,6 Mbit/s	0%	24 s

# DR5018 UART configuration

## 1. Introduction

The photo below shows how to use the Uart for DR5018



## DR5018 UART configuration

### 2. Device connect

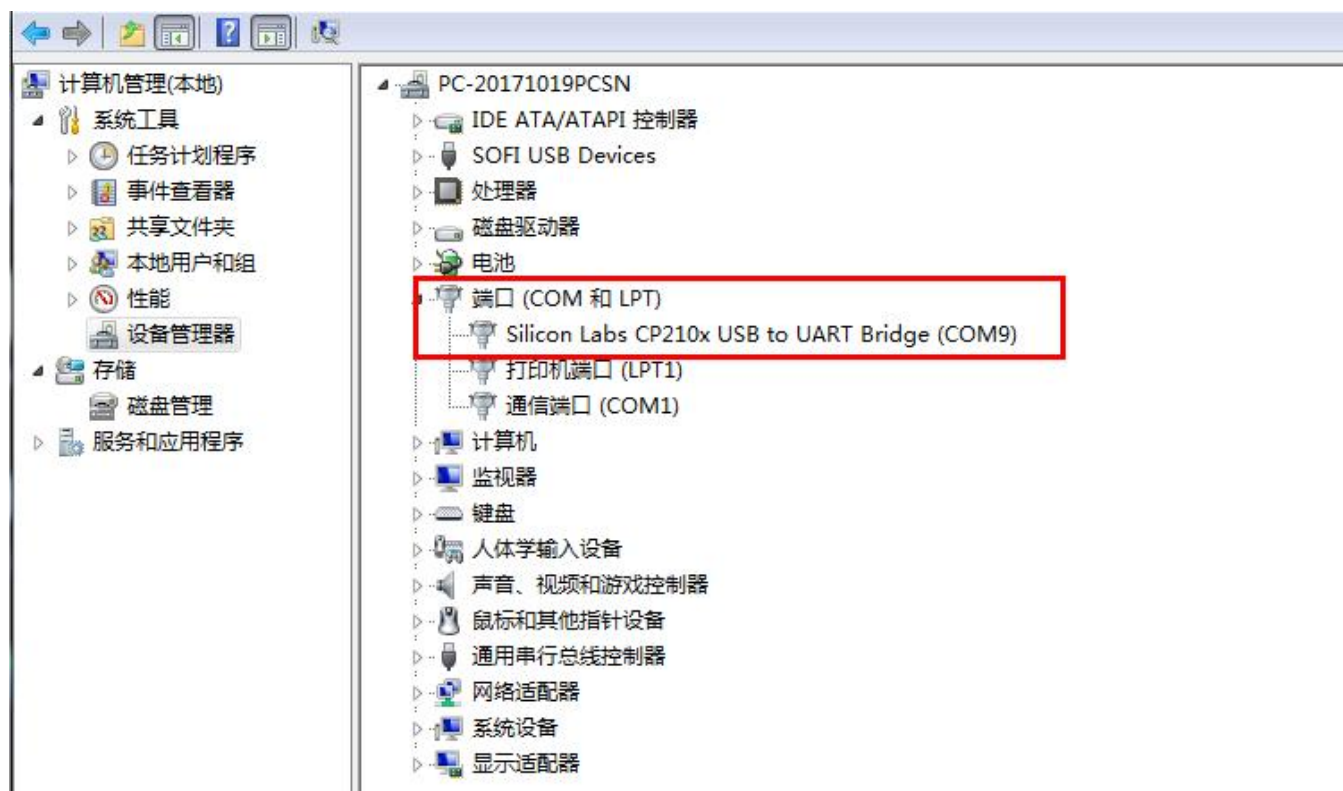
Step 1: Connect the cable to the DR5018

As the picture as above, the sequence of the signal in the UART

Connector: GND, TX, RX, VCC, And we need use GND connect black cable, TX connect to white cable, RX connect to Green cable VCC don't use.

Step 2: Check the Com number on the PC

Connect the console board to the PC with USB connector, Then check the com number on the PC, the com number on the test PC is COM15





# DR5018 UART configuration

## 2. Device connect

Step 3 Login with the software

You can use putty,Xshell or some others,enjoy it.

```
BusyBox v1.30.1 () built-in shell (ash)

      MM          NM          MMMMMM          M          M
      $MMMMM      MMMM      MMMMMMMMMMMM      MM      MM
      MMMMMMMM    MM MMMM.      MMMM:MMMM:      MM      MMMM
MMM= MMMMM      MM      MMM      MMMM      MMM      MMMMM      MM      MMMM'
MMM= MMMMM      MM      MM      MMMM      MMM      MM      MMMMMMMMM
MMM= MMM      MMMM      MMMM      MMM      MMM      MMMMMMMM
MMM= MMM      MMMMM      MMMM      MMM      MMM      MMMMMMMMM
MMM= MMM      MMMM,      NMMMMMMMM      MMM      MMM      MMMMMMMMMMM
MMM= MMM      MMMMM      MMMMMMMM      MMM      MMM      MM      MMMMM
MMM= MMM      MM      MMM      MMM      MMM      MMM      MM      MMMM
MMM$ ,MMMM      MMMM      MM      MM      MMM      MMMM      MM      MM
MMMMM:      MMMMM      M      MMMMMMMMMMMM      MMMMM      MMMMM
MMMMM      MMMM      M      MMMMMMMM      MM      MM
MMM      M      MMMMM      M      M
M
-----
For those about to rock... (Chaos Calmer, unknown)
-----
root@SuperWireless:~# █
```



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**DR5018**

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