

DR6018 USER MANUAL

- 1.IPQ601x UI settings
- 2.DR6018 UART configuration

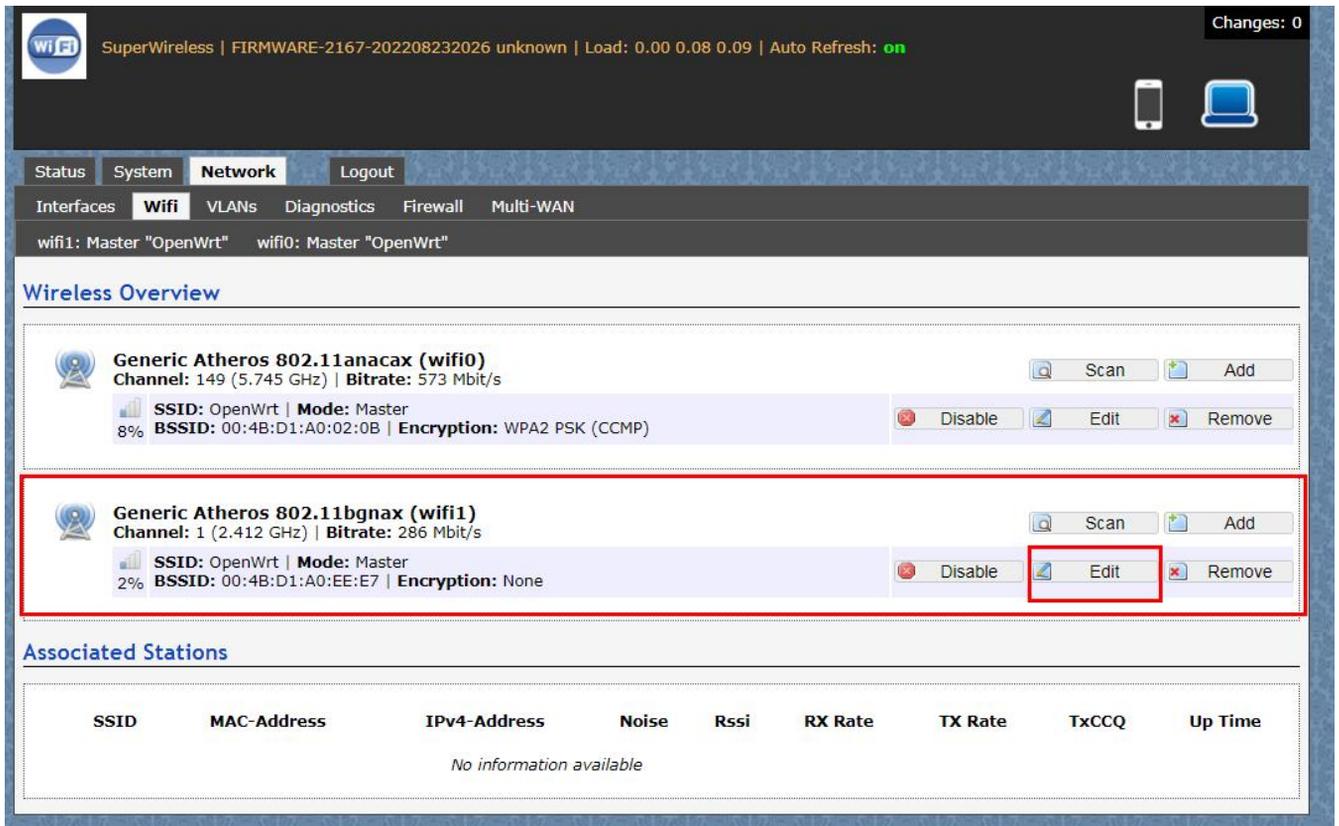
DR6018



IPQ601x UI setting

4. Wireless setting

Login the path network->Interfaces->WIFI,
Then choose wifi 1,we select the red marked as example,click
the button “ Edit ”



The screenshot shows the Wallys web interface. At the top, there's a status bar with 'SuperWireless | FIRMWARE-2167-202208232026 unknown | Load: 0.00 0.08 0.09 | Auto Refresh: on' and 'Changes: 0'. Below this is a navigation menu with 'Status', 'System', 'Network', and 'Logout'. Under 'Network', there are sub-menus for 'Interfaces', 'Wifi', 'VLANs', 'Diagnostics', 'Firewall', and 'Multi-WAN'. The 'Wifi' sub-menu is active, showing 'wifi1: Master "OpenWrt"' and 'wifi0: Master "OpenWrt"'. The main content area is titled 'Wireless Overview' and lists two wireless interfaces:

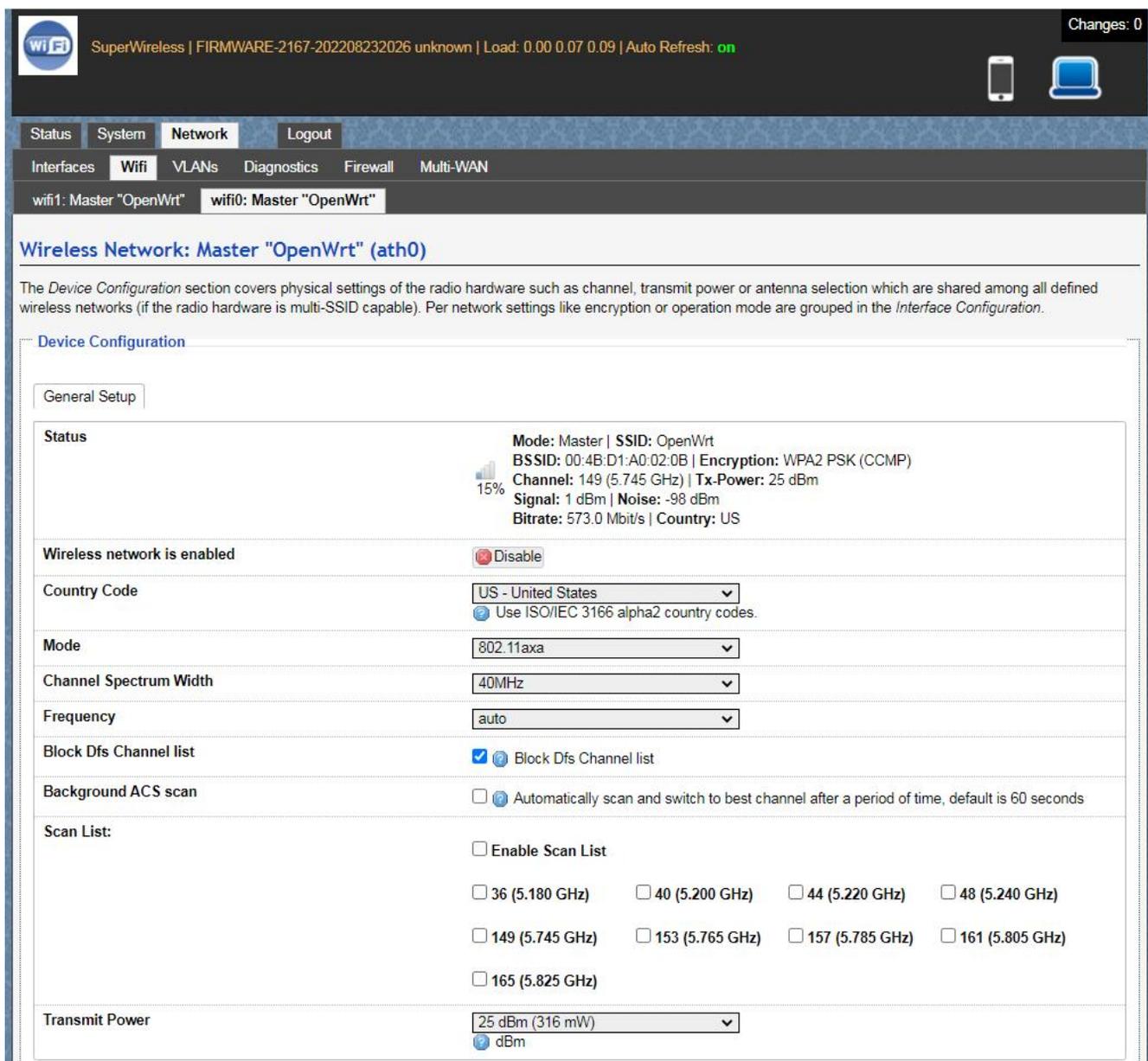
- Generic Atheros 802.11anacax (wifi0)**: Channel: 149 (5.745 GHz) | Bitrate: 573 Mbit/s. SSID: OpenWrt | Mode: Master | BSSID: 00:4B:D1:A0:02:0B | Encryption: WPA2 PSK (CCMP). Buttons: Scan, Add, Disable, Edit, Remove.
- Generic Atheros 802.11bgnax (wifi1)**: Channel: 1 (2.412 GHz) | Bitrate: 286 Mbit/s. SSID: OpenWrt | Mode: Master | BSSID: 00:4B:D1:A0:EE:E7 | Encryption: None. Buttons: Scan, Add, Disable, Edit, Remove.

The 'wifi1' interface and its 'Edit' button are highlighted with a red box. Below the wireless overview is the 'Associated Stations' section, which has a table with columns: SSID, MAC-Address, IPv4-Address, Noise, Rssi, RX Rate, TX Rate, TxCCQ, and Up Time. The table currently shows 'No information available'.

IPQ601x 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 web interface for configuring the wireless network. At the top, there is a status bar with a 'wifi' icon, system information (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. The 'Network' tab is active, showing sub-tabs for Interfaces, Wifi, VLANs, Diagnostics, Firewall, and Multi-WAN. The 'Wifi' sub-tab is selected, showing two interfaces: 'wifi1: Master "OpenWrt"' and 'wifi0: Master "OpenWrt"'. The main content area is titled 'Wireless Network: Master "OpenWrt" (ath0)'. A note explains that the 'Device Configuration' section covers physical settings shared among all defined wireless networks, while 'Interface Configuration' groups network-specific settings like encryption and mode. The 'Device Configuration' section is expanded to show 'General Setup' with 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)

IPQ601x 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"/>

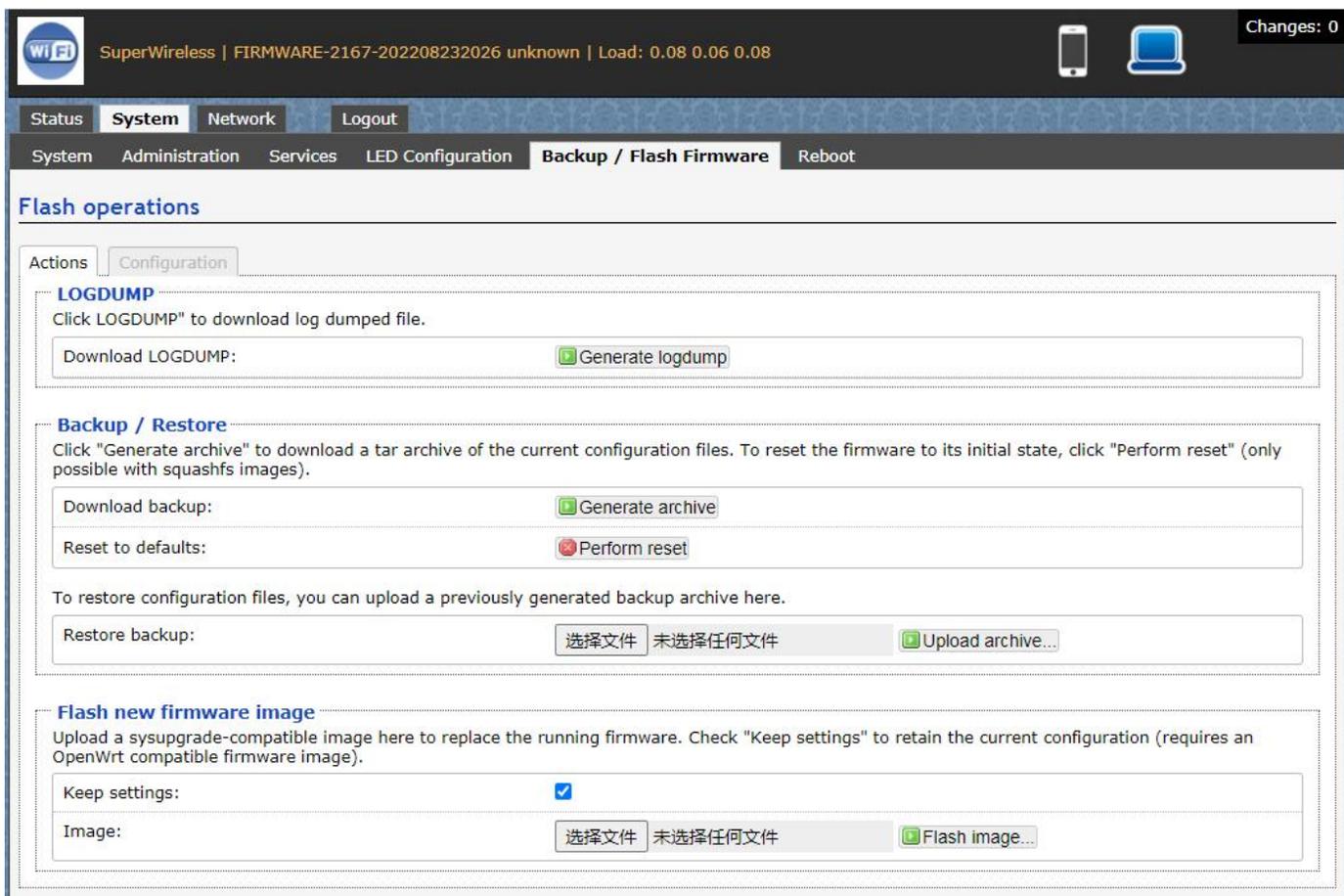
[Back to Overview](#) [Reset](#) [Save](#) [Save & Apply](#)

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

IPQ601x UI setting

5. Backup archive

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



The screenshot displays the web interface for the Wallys IPQ601x device. 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. A "Changes: 0" indicator is in the top right corner. Below the status bar is a navigation menu with tabs for "Status", "System", "Network", and "Logout". The "System" tab is active, and a sub-menu is open showing "System", "Administration", "Services", "LED Configuration", "Backup / Flash Firmware", and "Reboot". The "Backup / Flash Firmware" sub-tab is selected.

The main content area is titled "Flash operations" and contains three sections:

- LOGDUMP**: A section with a "Configuration" sub-tab. It includes a description: "Click LOGDUMP" to download log dumped file." Below this is a "Download LOGDUMP:" label and a "Generate logdump" button.
- Backup / Restore**: A section with a description: "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)." Below this are two rows: "Download backup:" with a "Generate archive" button, and "Reset to defaults:" with a "Perform reset" button. Further down, there is a description: "To restore configuration files, you can upload a previously generated backup archive here." Below this is a "Restore backup:" label, a file selection button labeled "选择文件" (which shows "未选择任何文件" - no file selected), and an "Upload archive..." button.
- Flash new firmware image**: A section with a description: "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)." Below this is a "Keep settings:" label with a checked checkbox, and an "Image:" label with a file selection button labeled "选择文件" (which shows "未选择任何文件" - no file selected) and a "Flash image..." button.

IPQ601x UI setting

6.Update new image

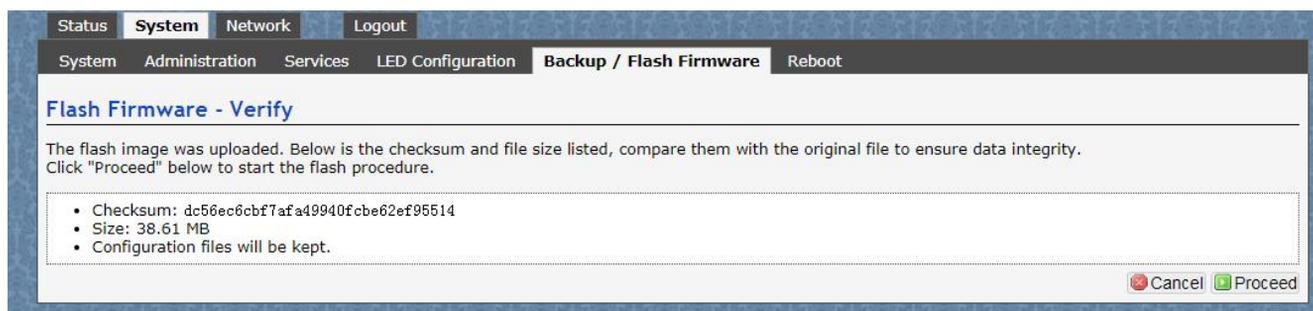
Login System->Backup/Flash Firmware;

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.



IPQ601x UI setting

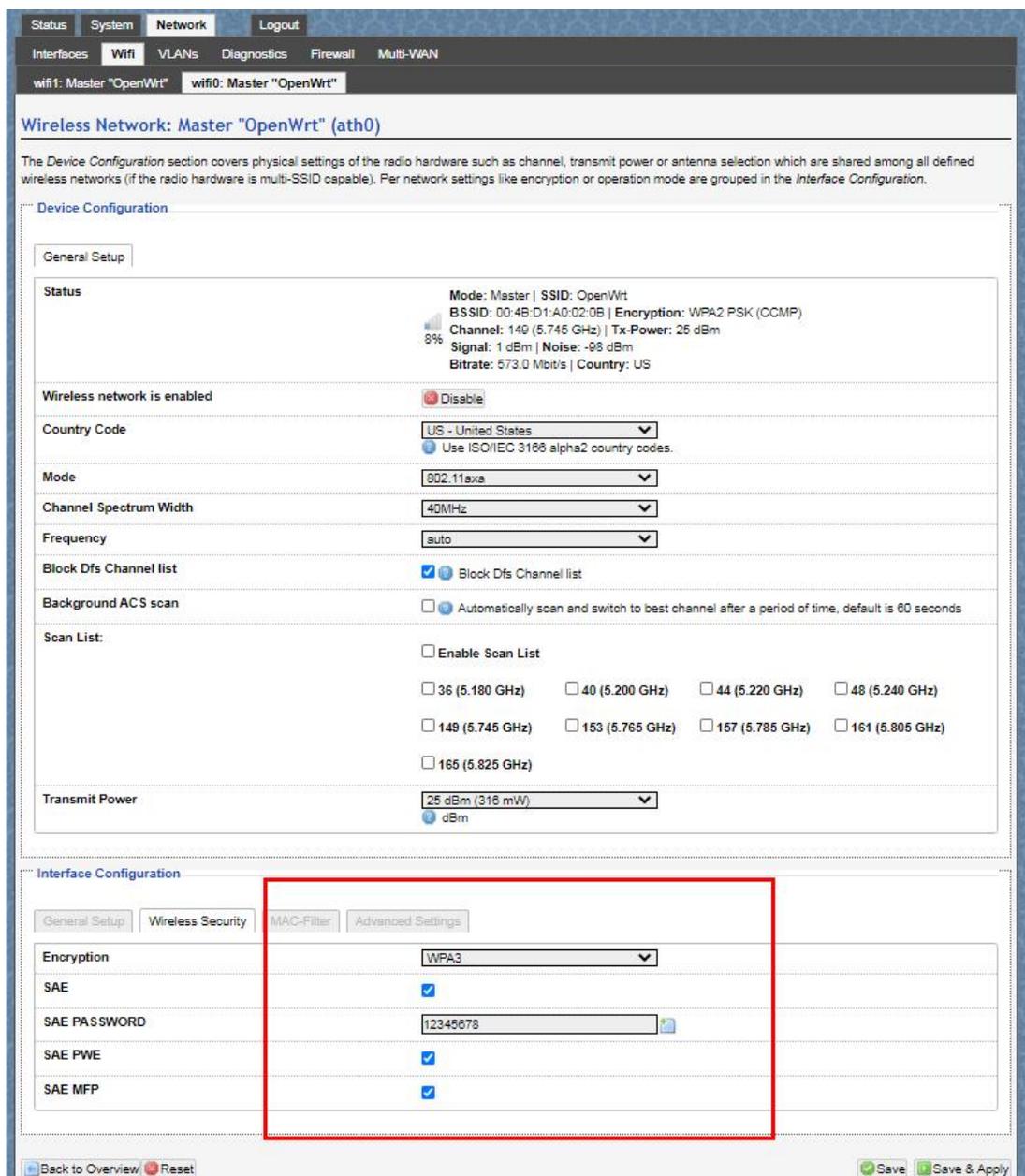
7. wireless encryption

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 " ✓ "



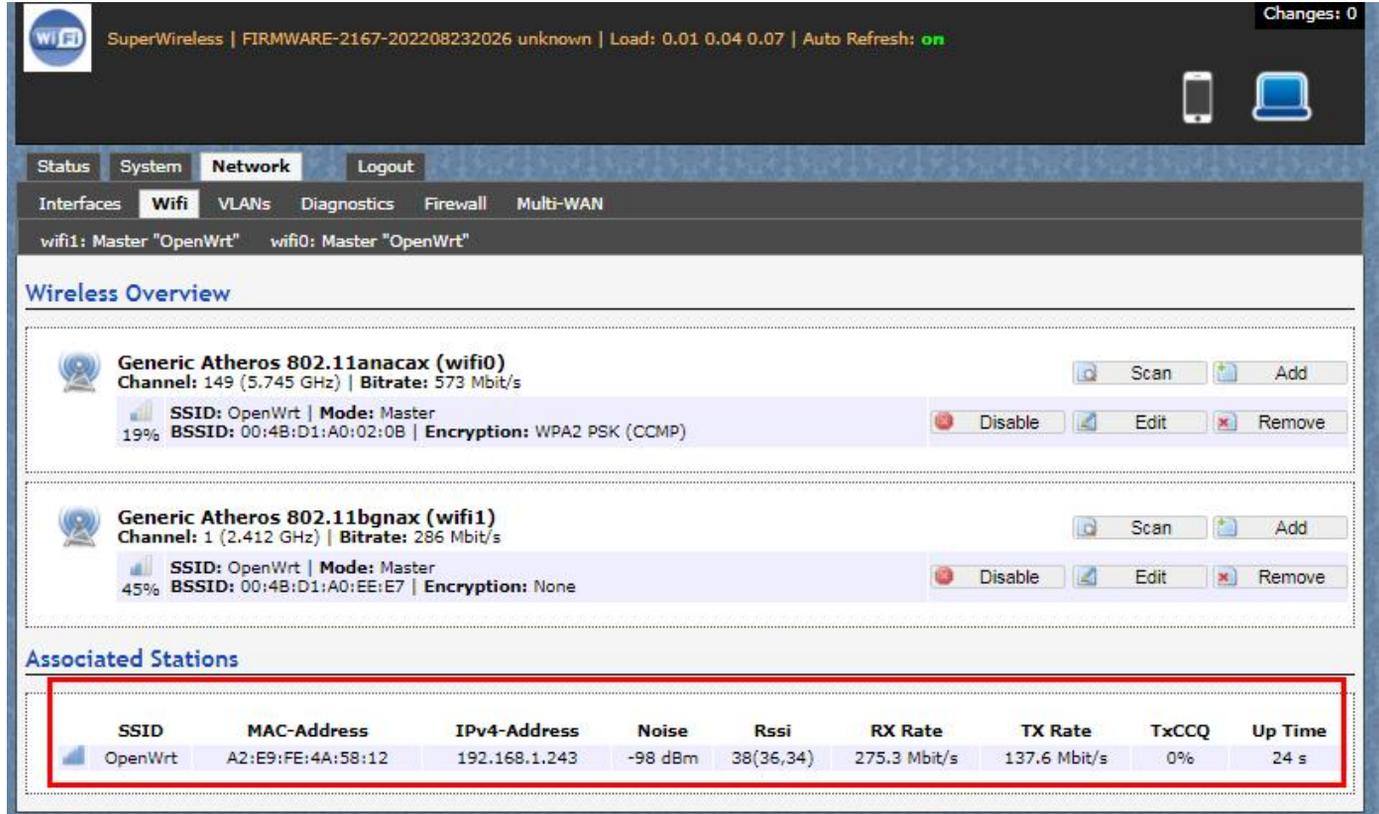
The screenshot displays the 'Wireless Network: Master "OpenWrt" (ath0)' configuration page. The 'Interface Configuration' section is active, and the 'Wireless Security' sub-tab is selected. The following settings are visible:

- Encryption:** WPA3
- SAE:**
- SAE PASSWORD:** 12345678
- SAE PWE:**
- SAE MFP:**

At the bottom of the page, there are buttons for 'Back to Overview', 'Reset', 'Save', and 'Save & Apply'.

IPQ601x 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

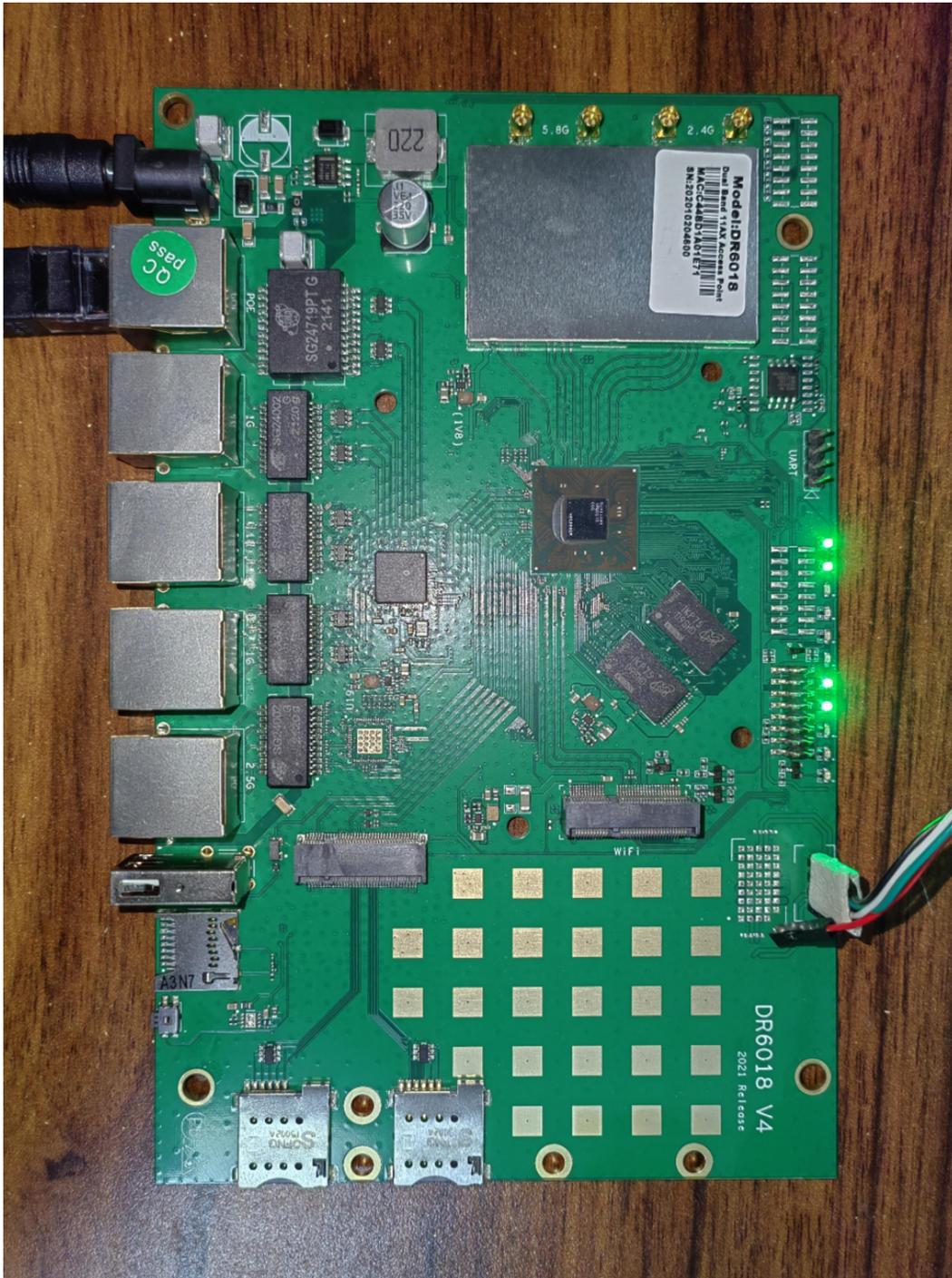
Associated Stations

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

DR6018 UART configuration

1. Introduction

The photo below shows how to use the Uart for DR6018



DR6018 UART configuration

2. Device connect

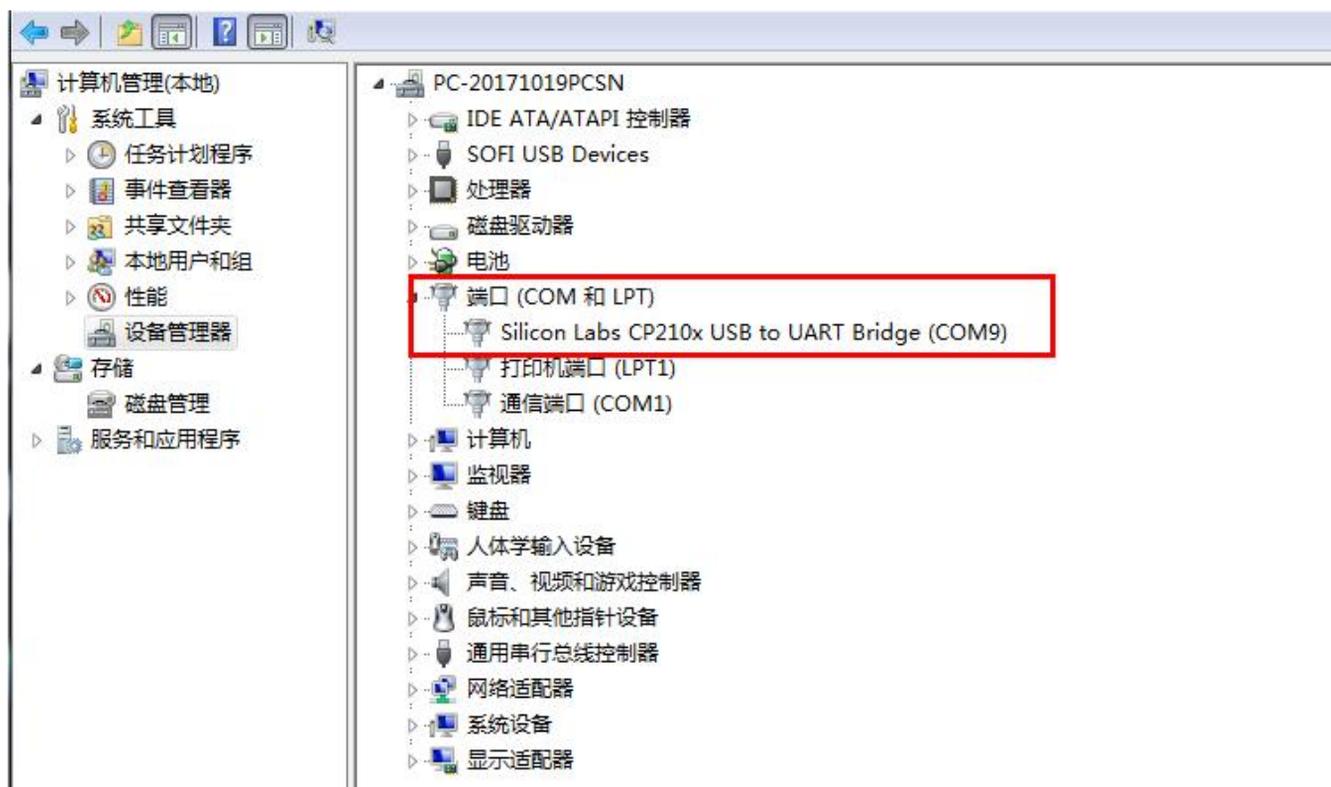
Step 1: Connect the cable to the DR6018

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 COM9



DR6018 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
      $MMMMM      MMMM      MMMMMMMMMMMM      MM      MM
      MMMMMMMM    MM MMMM.      MMMM:MMMM:      MM      MMMM
MMM= MMMMM      MM      MMM      MMMM      MMM      MMMMM      MM      MMMM'
MMM= MMMMM      MMM      MM      MMMM      MMM      MMM      MMMMMMMMM
MMM= MMM      MMMM      MMMM      MMM      MMM      MMMMMMMM
MMM= MMM      MMMMM      MMMM      MMM      MMM      MMMMMMMMM
MMM= MMM      MMMM,      NMMMMMMMM      MMM      MMM      MMMMMMMMMMM
MMM= MMM      MMMMM      MMMMMMMM      MMM      MMM      MM      MMMMM
MMM= MMM      MM      MMM      MMM      MMM      MMM      MM      MMMM
MMM$ ,MMMM      MMMM      MMM      MM      MMM      MMMM      MM      MMMM
MMMMM:      MMMMM      M      MMMMMMMMMMMM      MMMMM      MMMMMMM
MMMMM      MMMM      M      MMMMMMMM      MM      MM
MMM      M      MMMMM      M      M

-----
For those about to rock... (Chaos Calmer, unknown)
-----
root@SuperWireless:~# █
```



DR6018 USER MANUAL

DR6018

THIS DOCUMENT CONTAINS PROPRIETARY TECHNICAL INFORMATION, WHICH IS THE PROPERTY OF THE WALLYTECH AND SHALL NOT BE DISCLOSED TO OTHERS IN WHOLE OR IN PART, REPRODUCED, COPIED, OR USED AS THE BASIS FOR DESIGN, MANUFACTURING, OR SALE OF APPARATUS WITHOUT WRITTEN PERMISSION OF WALLYTECH.