

DR6018-S USER MANUAL

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

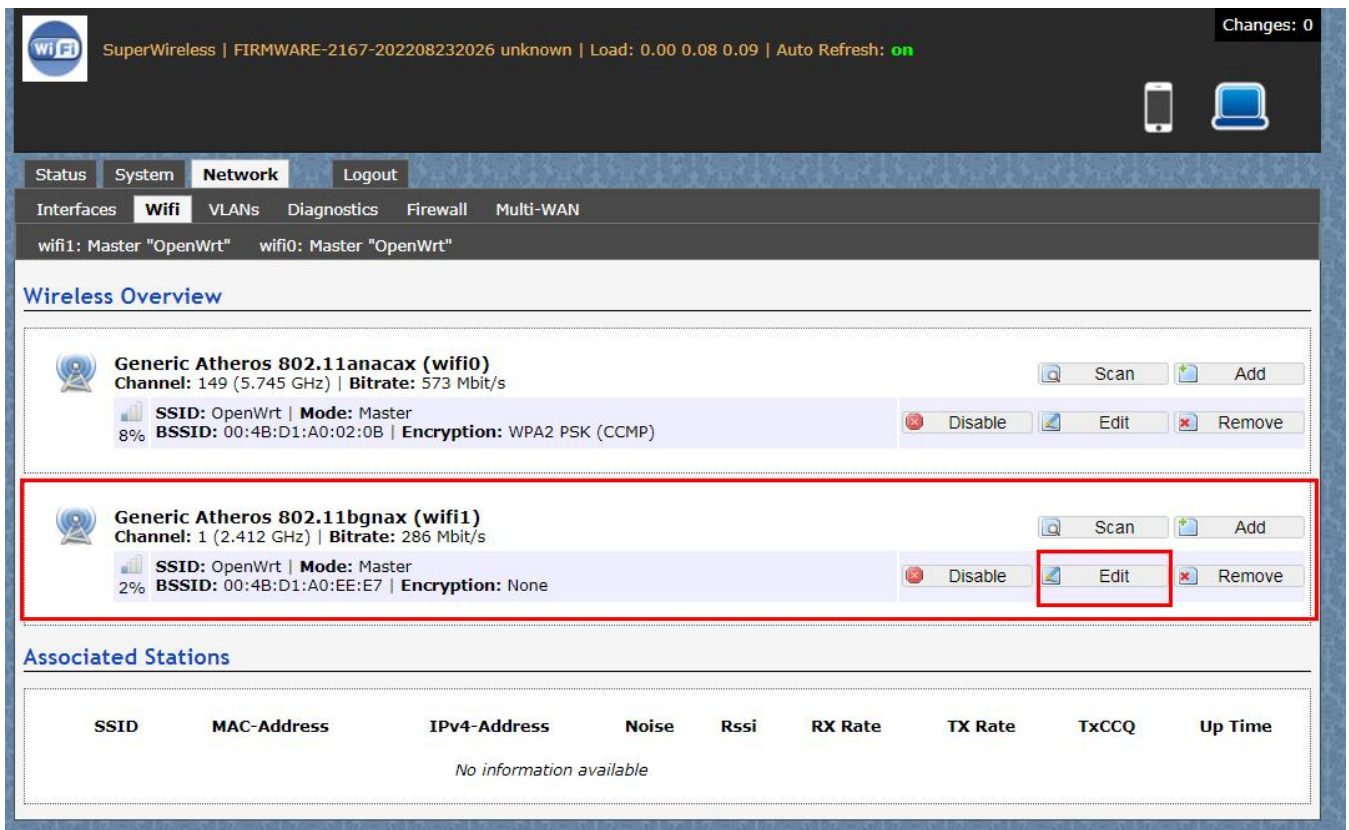
DR6018-S



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 ”





SuperWireless | FIRMWARE-2167-202208232026 unknown | Load: 0.00 0.08 0.09 | Auto Refresh: **on** Changes: 0

Wifi | System | Network | Logout

Interfaces | **Wifi** | VLANs | Diagnostics | Firewall | Multi-WAN

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

Wireless Overview

 Generic Atheros 802.11anacax (wifi0) Channel: 149 (5.745 GHz) Bitrate: 573 Mbit/s	Scan Add
8% SSID: OpenWrt Mode: Master BSSID: 00:4B:D1:A0:02:0B Encryption: WPA2 PSK (CCMP)	Disable Edit Remove
 Generic Atheros 802.11bgnax (wifi1) Channel: 1 (2.412 GHz) Bitrate: 286 Mbit/s	Scan Add
2% SSID: OpenWrt Mode: Master BSSID: 00:4B:D1:A0:EE:E7 Encryption: None	Disable Edit Remove

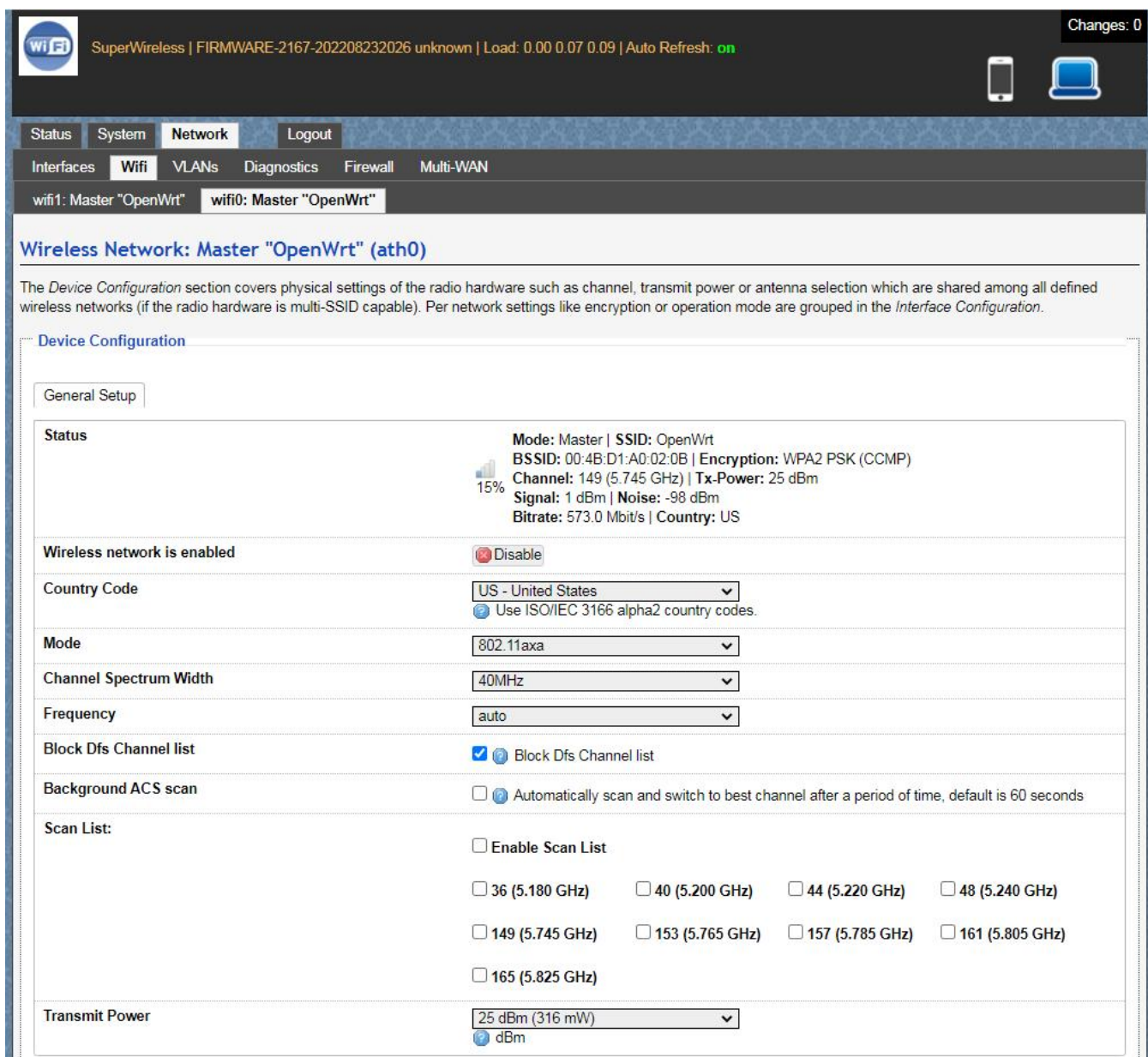
Associated Stations

SSID	MAC-Address	IPv4-Address	Noise	Rssi	RX Rate	TX Rate	TxCCQ	Up Time
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 Wi-Fi 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'. 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' options:

- 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"/>

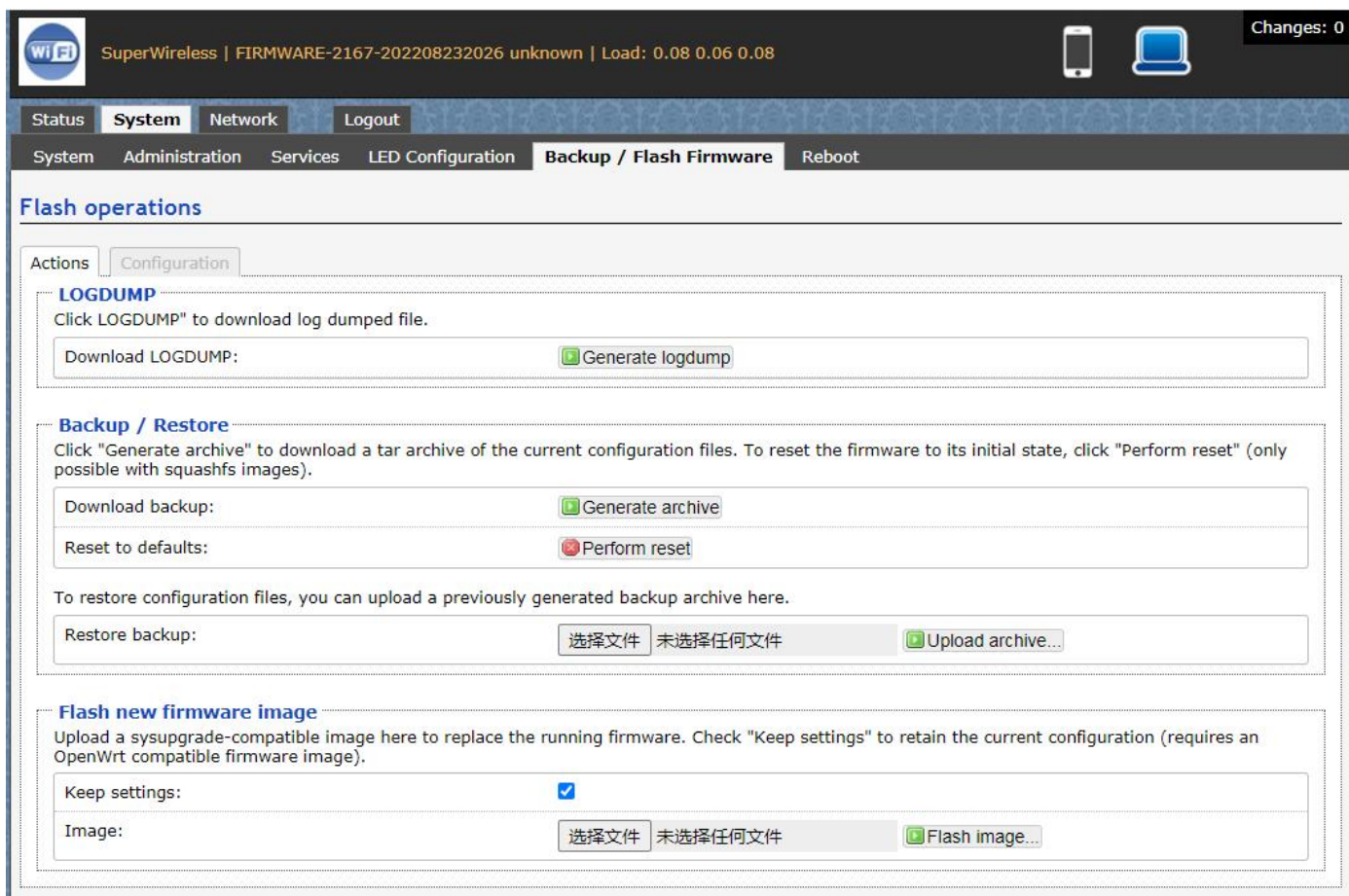
[Back to Overview](#) [Reset](#) [Save](#) [Save & Apply](#)

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 Wallys IPQ601x 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 menu includes "Status", "System", "Network", and "Logout". Below this, a secondary menu shows "System", "Administration", "Services", "LED Configuration", "Backup / Flash Firmware", and "Reboot". The main content area is titled "Flash operations" and contains three sections:

- LOGDUMP**: A section with a "Configuration" tab. It contains a "Download LOGDUMP:" label and a "Generate logdump" button.
- Backup / Restore**: A section with instructions: "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)." It includes a "Download backup:" label with a "Generate archive" button, a "Reset to defaults:" label with a "Perform reset" button, and a "Restore backup:" label with a file selection button (显示为“选择文件”) and an "Upload archive..." button.
- Flash new firmware image**: A section with instructions: "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)." It includes a "Keep settings:" label with a checked checkbox and an "Image:" label with a file selection button (显示为“选择文件”) and a "Flash image..." button.

IPQ601x UI setting

6.Update new image

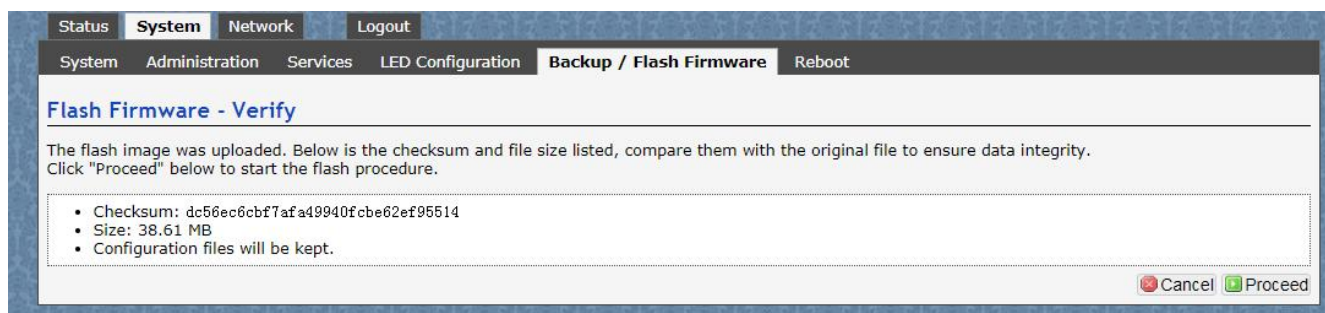
Login System->Backup/Flash Firmware;

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.

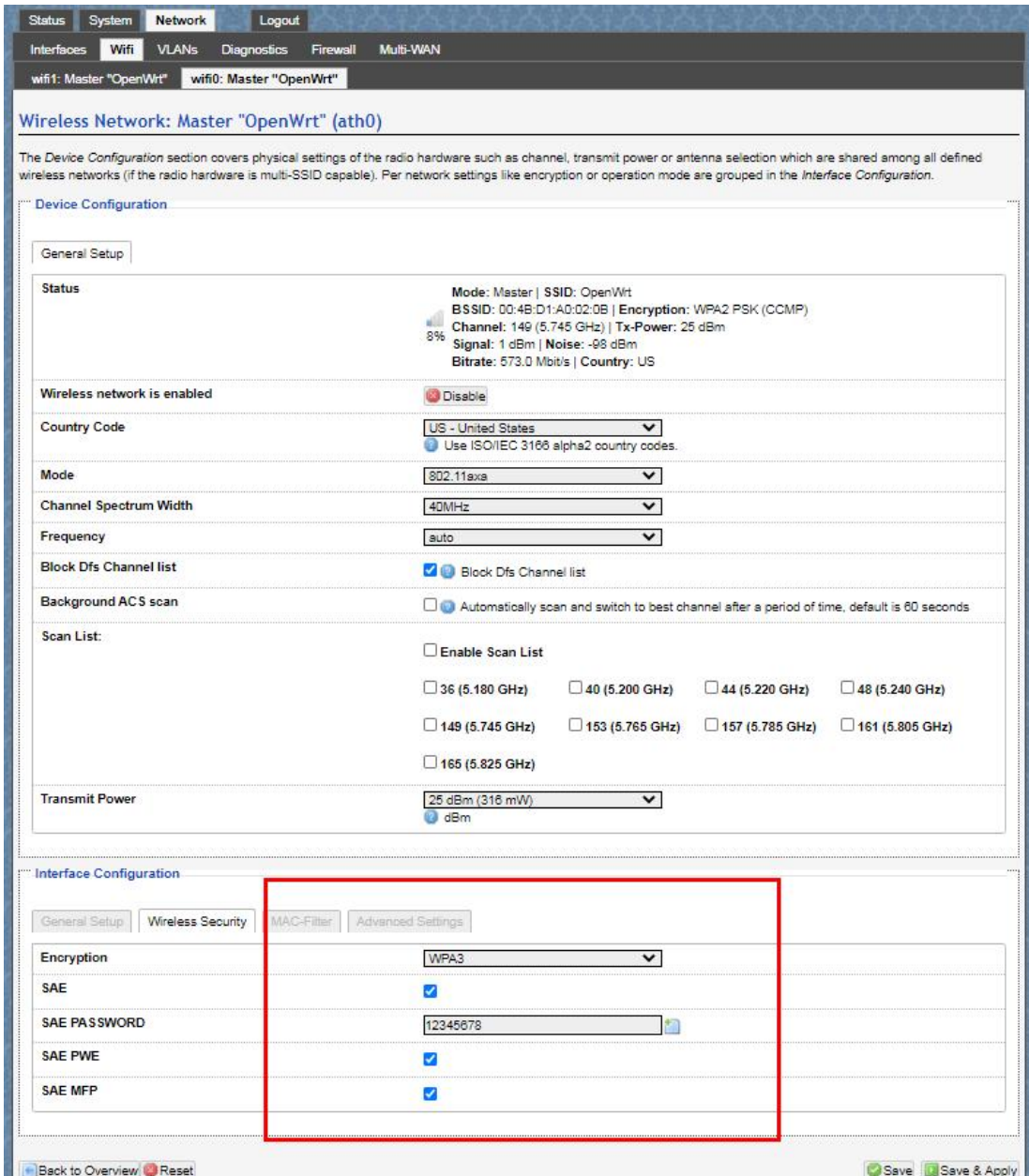
Then login again,you can enjoy it.



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 " ✓ "



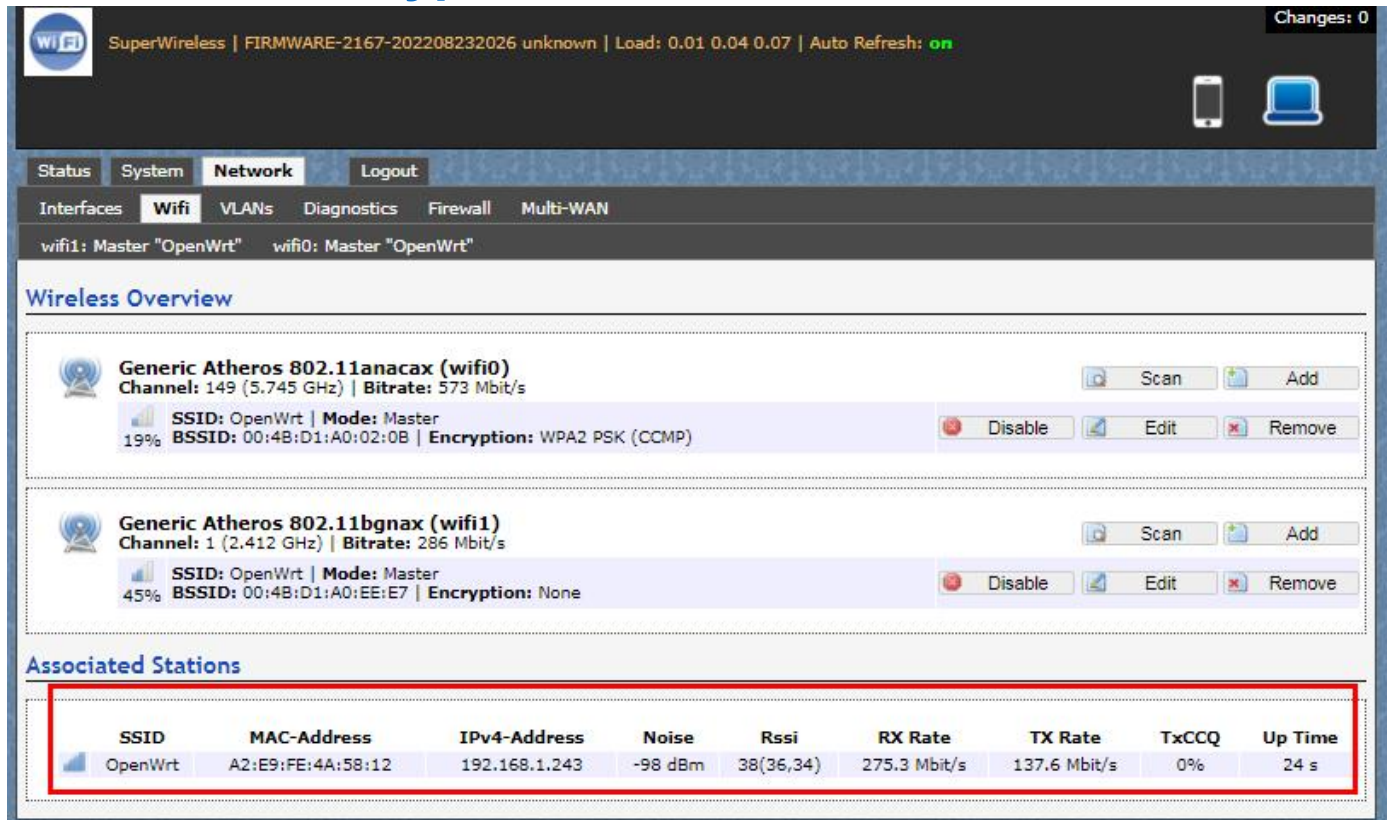
The screenshot displays the 'Wireless Network: Master "OpenWrt" (ath0)' configuration page. The 'Interface Configuration' section is active, and the 'Wireless Security' tab is selected. The following settings are visible:

- 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 📱 📺

Status System **Network** Logout

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
 📶 19% **SSID:** OpenWrt | **Mode:** Master 🛑 Disable 🖋 Edit ✖ Remove
BSSID: 00:4B:D1:A0:02:0B | **Encryption:** WPA2 PSK (CCMP)

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

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-S UART configuration

1. Introduction

The photo below shows how to use the Uart for DR6018-S



DR6018-S UART configuration

2. Device connect

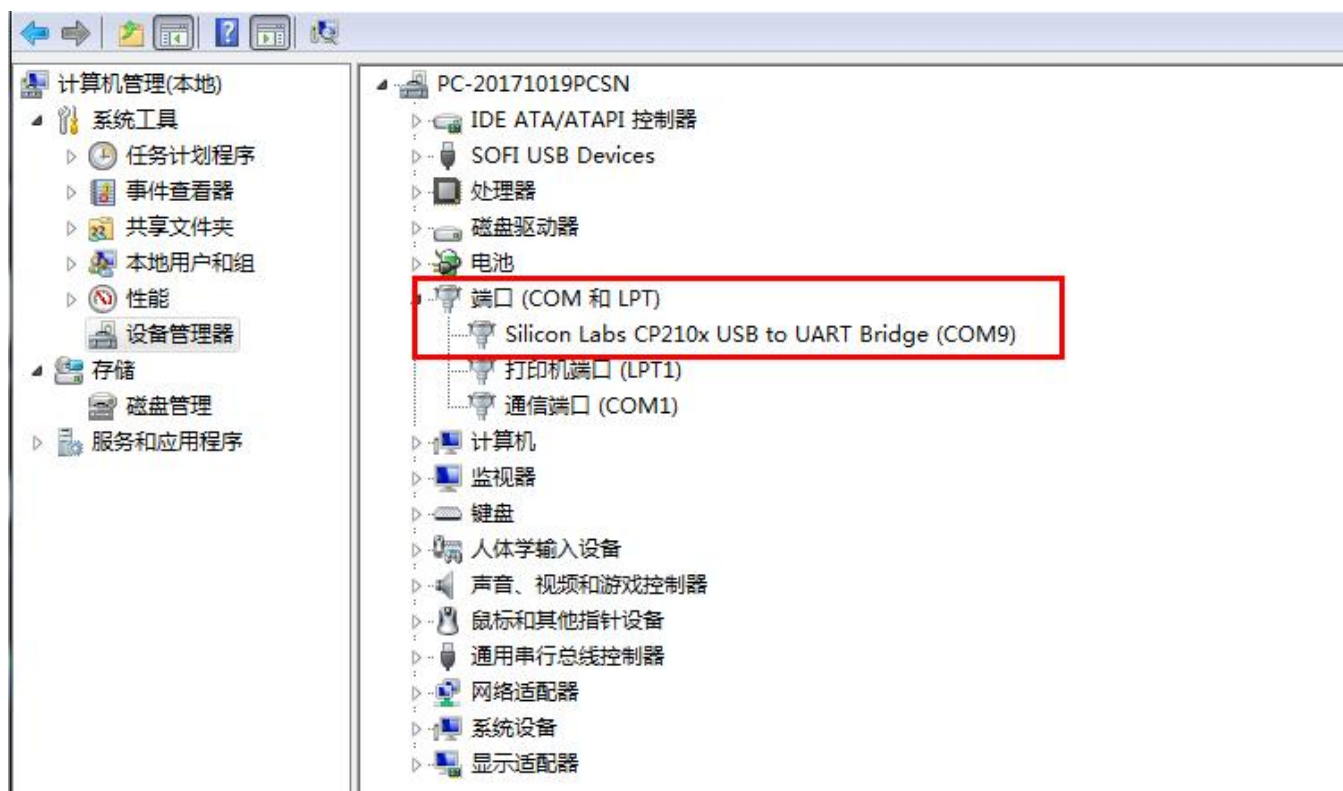
Step 1: Connect the cable to the DR6018-S

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



DR6018-S USER MANUAL

DR6018-S

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