

DR6018-S USER MANUAL

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

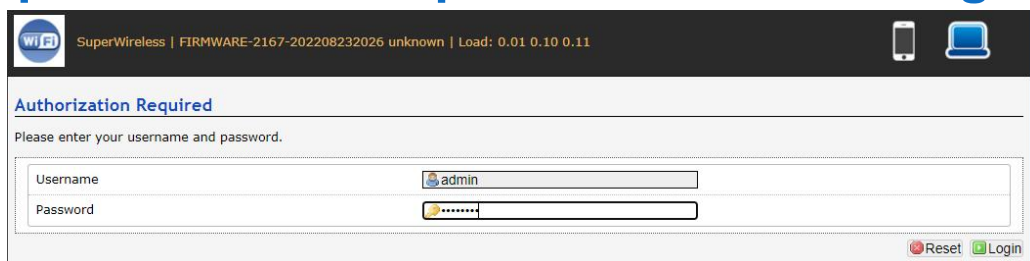
DR6018-S



IPQ601x UI setting

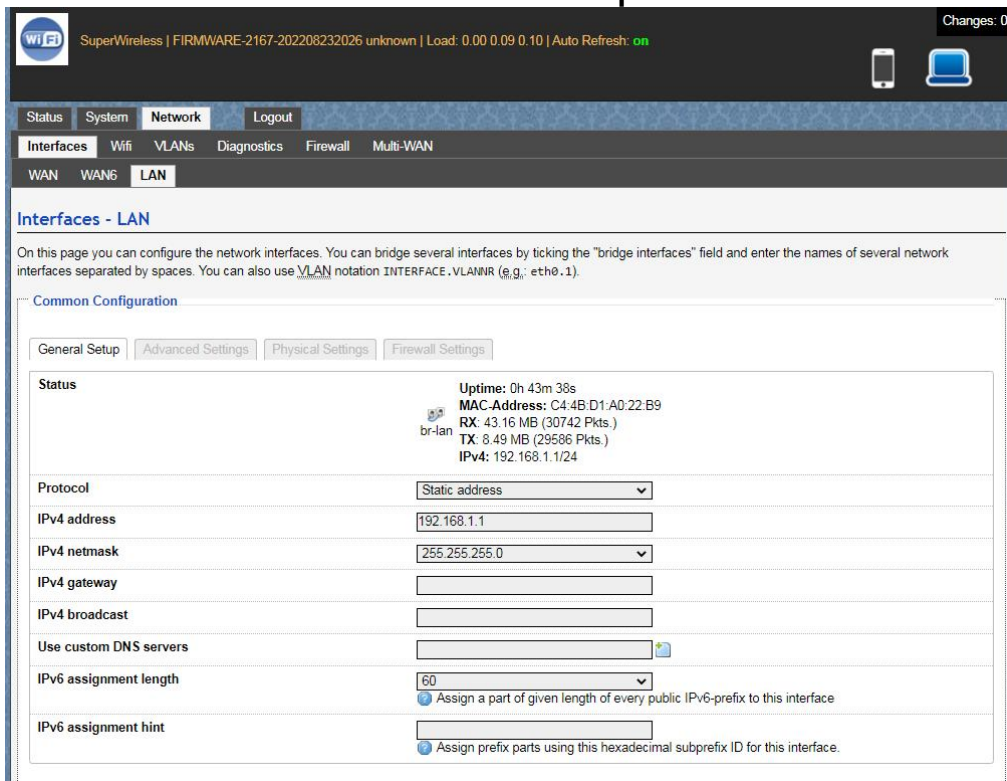
1.Input the IP 192.168.1.1 and login

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



3. Network setting

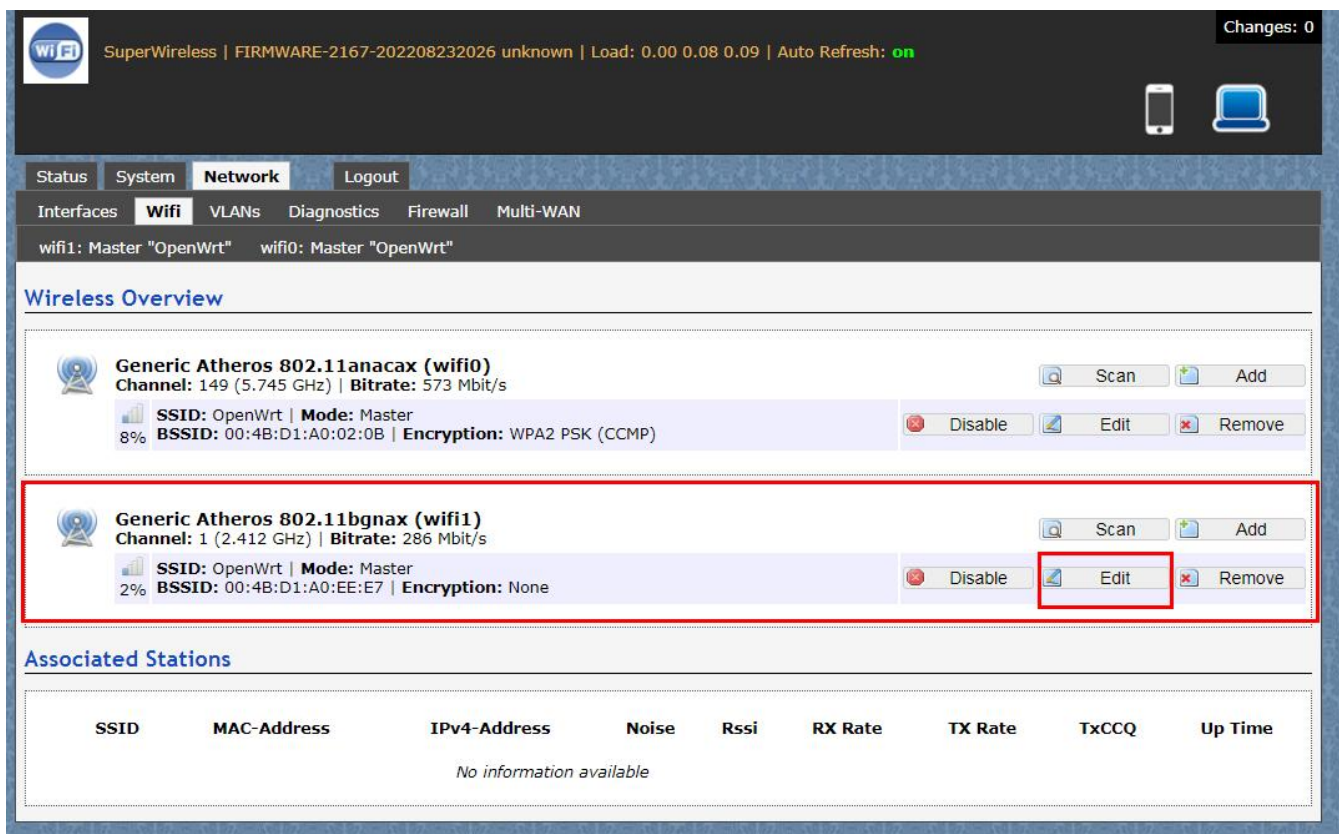
- IP Setting: setting IP in the path "network->Interfaces->LAN->IPV4 address"
- DHCP setting:DHCP and other protocol setting in the path network-> Interfaces-> LAN->protocol"



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

[Status](#) [System](#) [Network](#) [Logout](#)

[Interfaces](#) [Wifi](#) [VLANs](#) [Diagnostics](#) [Firewall](#) [Multi-WAN](#)

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

Wireless Overview

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

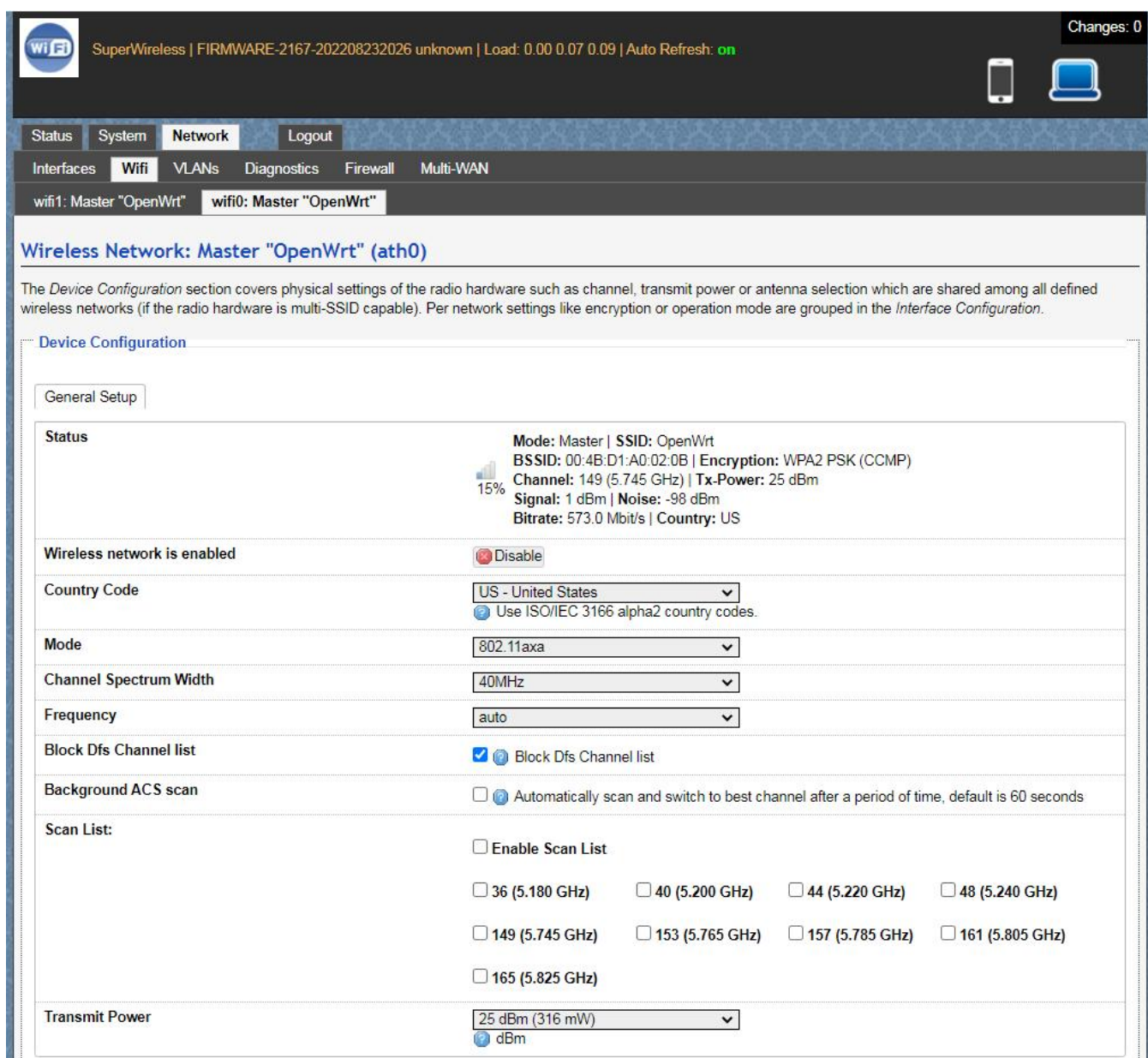
Associated Stations

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 Wallys IPQ601x web interface. At the top, there's 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 is a navigation menu with tabs: Status, System, Network, and Logout. Under the Network tab, there are sub-tabs: 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)". A note states: "The Device Configuration section covers physical settings of the radio hardware such as channel, transmit power or antenna selection which are shared among all defined wireless networks (if the radio hardware is multi-SSID capable). Per network settings like encryption or operation mode are grouped in the Interface Configuration."

The "Device Configuration" section is expanded, showing the "General Setup" tab. The "Status" section displays: 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. A signal strength indicator shows 15%.

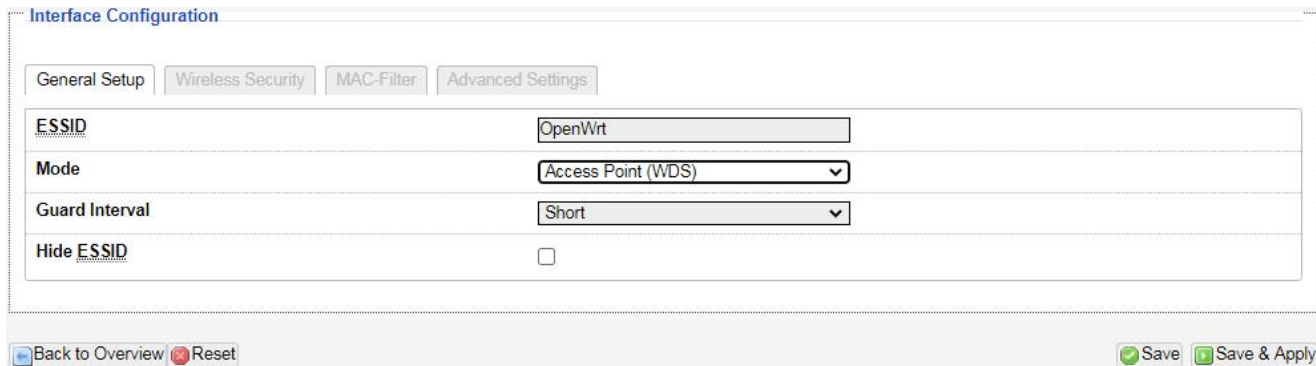
The "Wireless network is enabled" section has a "Disable" button. The "Country Code" is set to "US - United States" with a note to "Use ISO/IEC 3166 alpha2 country codes." The "Mode" is set to "802.11axa". The "Channel Spectrum Width" is set to "40MHz". The "Frequency" is set to "auto". The "Block Dfs Channel list" is checked. The "Background ACS scan" is unchecked, with a note: "Automatically scan and switch to best channel after a period of time, default is 60 seconds".

The "Scan List" section has an "Enable Scan List" checkbox. Below it are several frequency options with checkboxes: 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), and 165 (5.825 GHz).

The "Transmit Power" is set to "25 dBm (316 mW)".

IPQ601x UI setting

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

A screenshot of the "Interface Configuration" web interface. It features a tabbed menu at the top with "General Setup", "Wireless Security", "MAC-Filter", and "Advanced Settings". The "General Setup" tab is active, showing fields for "ESSID" (set to "OpenWrt"), "Mode" (set to "Access Point (WDS)" with a dropdown arrow), "Guard Interval" (set to "Short" with a dropdown arrow), and "Hide ESSID" (an unchecked checkbox). At the bottom, there are buttons for "Back to Overview", "Reset", "Save", and "Save & Apply".

Interface Configuration	
General Setup Wireless Security MAC-Filter Advanced Settings	
ESSID	OpenWrt
Mode	Access Point (WDS) ▼
Guard Interval	Short ▼
Hide ESSID	☐
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


SuperWireless | FIRMWARE-2167-202208232026 unknown | Load: 0.08 0.06 0.08
Changes: 0

Status
System
Network
Logout

System
Administration
Services
LED Configuration
Backup / Flash Firmware
Reboot

Flash operations

Actions
Configuration

LOGDUMP

Click LOGDUMP" to download log dumped file.

Download LOGDUMP: Generate 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: Generate archive

Reset to defaults: Perform reset

To restore configuration files, you can upload a previously generated backup archive here.

Restore backup: 选择文件 未选择任何文件 Upload archive...

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: 选择文件 未选择任何文件 Flash image...

IPQ601x UI setting

6.Update new image

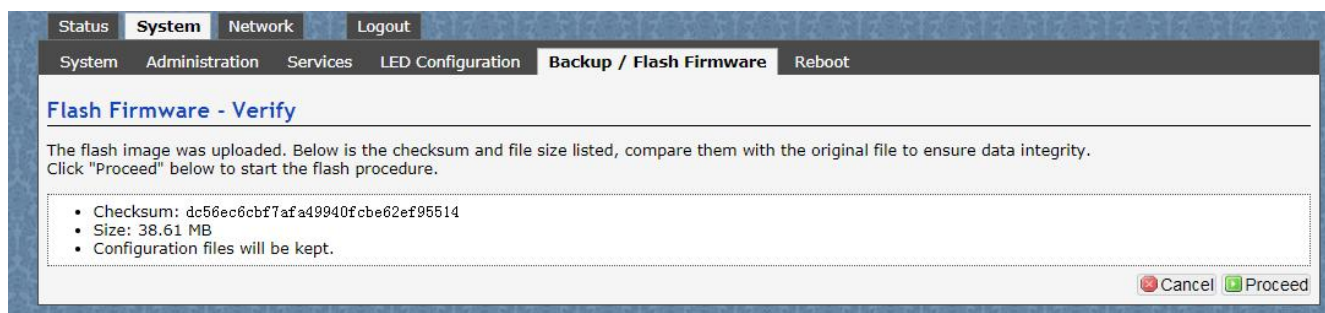
Login System->Backup/Flash Firmware;

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

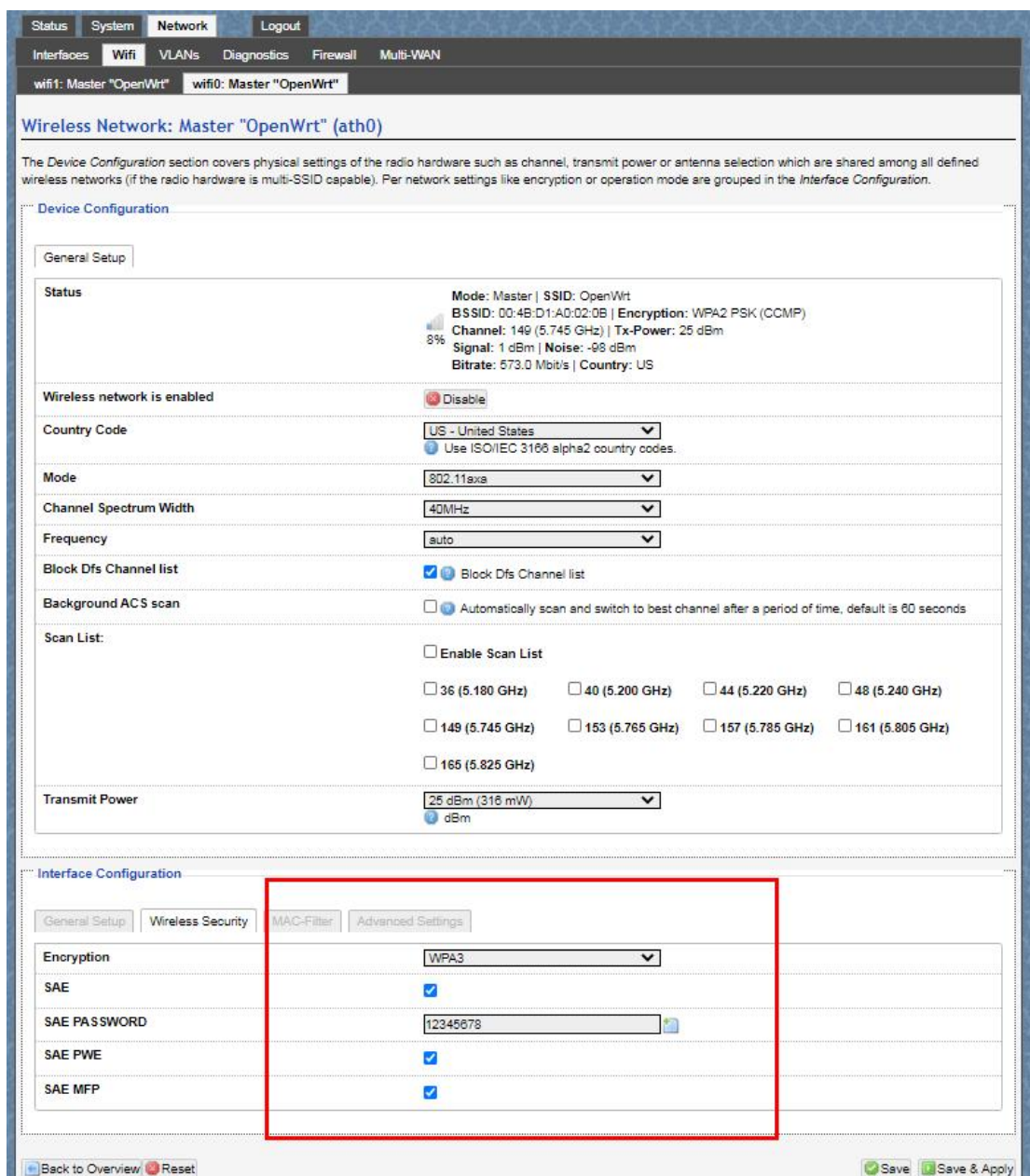
7. wireless encryption

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 Wallys IPQ601x web interface. The top navigation bar includes tabs for Status, System, Network, and Logout. Under the Network tab, there are sub-tabs for Interfaces, Wifi, VLANs, Diagnostics, Firewall, and Multi-WAN. The 'Wifi' sub-tab is selected, showing the configuration for the 'Master "OpenWrt" (ath0)' interface.

The 'Device Configuration' section is expanded, showing 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:** ☒ Enable
- 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)

The 'Interface Configuration' section is also expanded, showing the 'Wireless Security' tab. A red box highlights the following settings:

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

At the bottom of the interface, 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

Status

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

SSID: OpenWrt | Mode: Master

19% BSSID: 00:4B:D1:A0:02:0B | Encryption: WPA2 PSK (CCMP)

Scan

Add

Disable

Edit

Remove



Generic Atheros 802.11bgnax (wifi1)

Channel: 1 (2.412 GHz) | Bitrate: 286 Mbit/s

SSID: OpenWrt | Mode: Master

45% BSSID: 00:4B:D1:A0:EE:E7 | Encryption: None

Scan

Add

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

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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

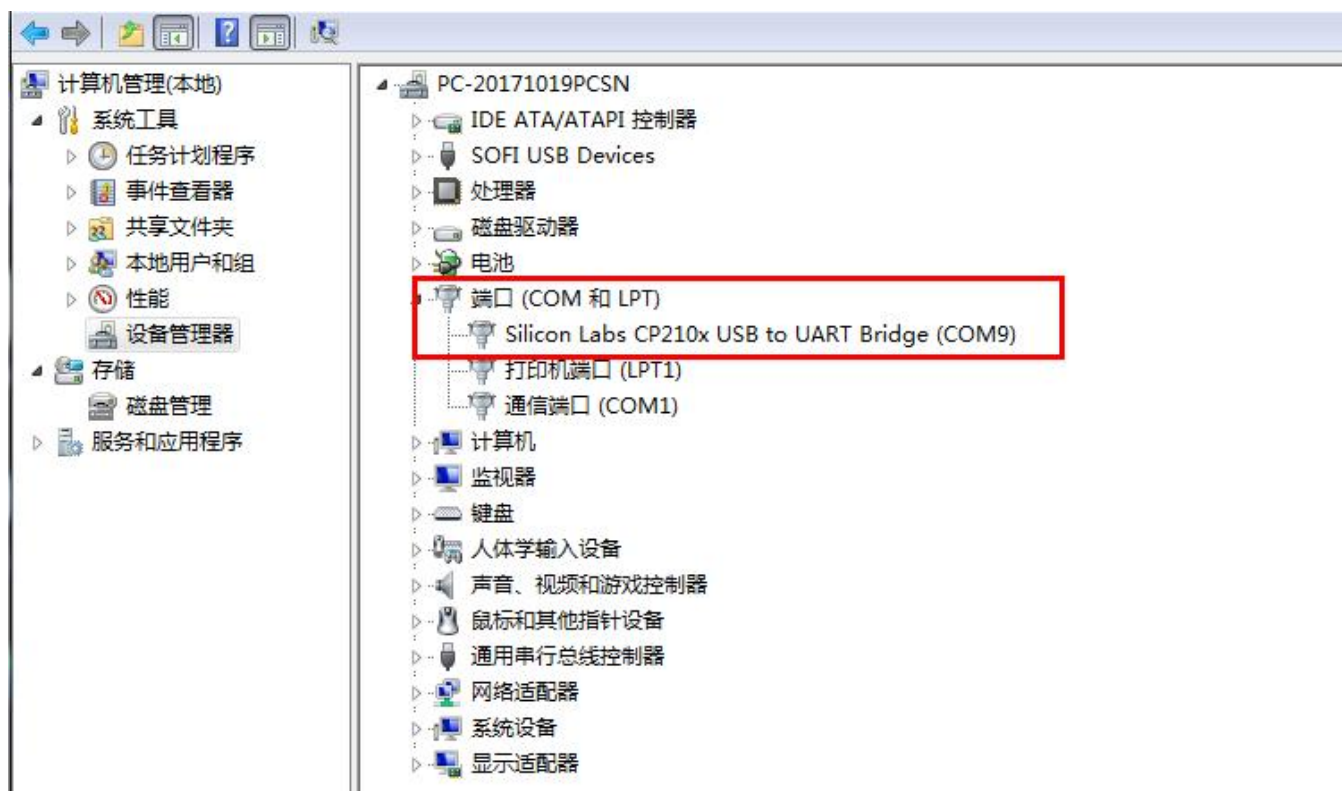
Step 1: Connect the cable to the DR6018-S

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

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



DR6018-S USER MANUAL

DR6018-S

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