

CV880 Quick Installation Guide

Introduction

This document will guide users on how to setup the main functions of the CV880.

Contents

Introduction	1
Contents	1
Configuration Guide	2
I. Connecting CV880 and Login	2
II. Setup LAN Interface	3
III. Setup Wireless Interface.....	6
IV. Factory Default	9

Configuration Guide

I. Connecting CV880 and Login

Please follow the instructions step by step to complete the setup successfully.

TOPOLOGY



SETUP STEPS

1. Power on CV880, **CONNECT** CV880 WAN port to PoE switch using a RJ45 cable.
2. **LOGIN** the Router with DHCP server, check DHCP release table and find the IP released to CV880. Assume CV880 WAN IP is 192.168.1.100.
3. **OPEN** Chrome or Firefox web browser and go to URL link:
<http://192.168.1.100:8080>
4. **ENTER** default Username, **root**. Leave Password as blank. **PRESS** Login.

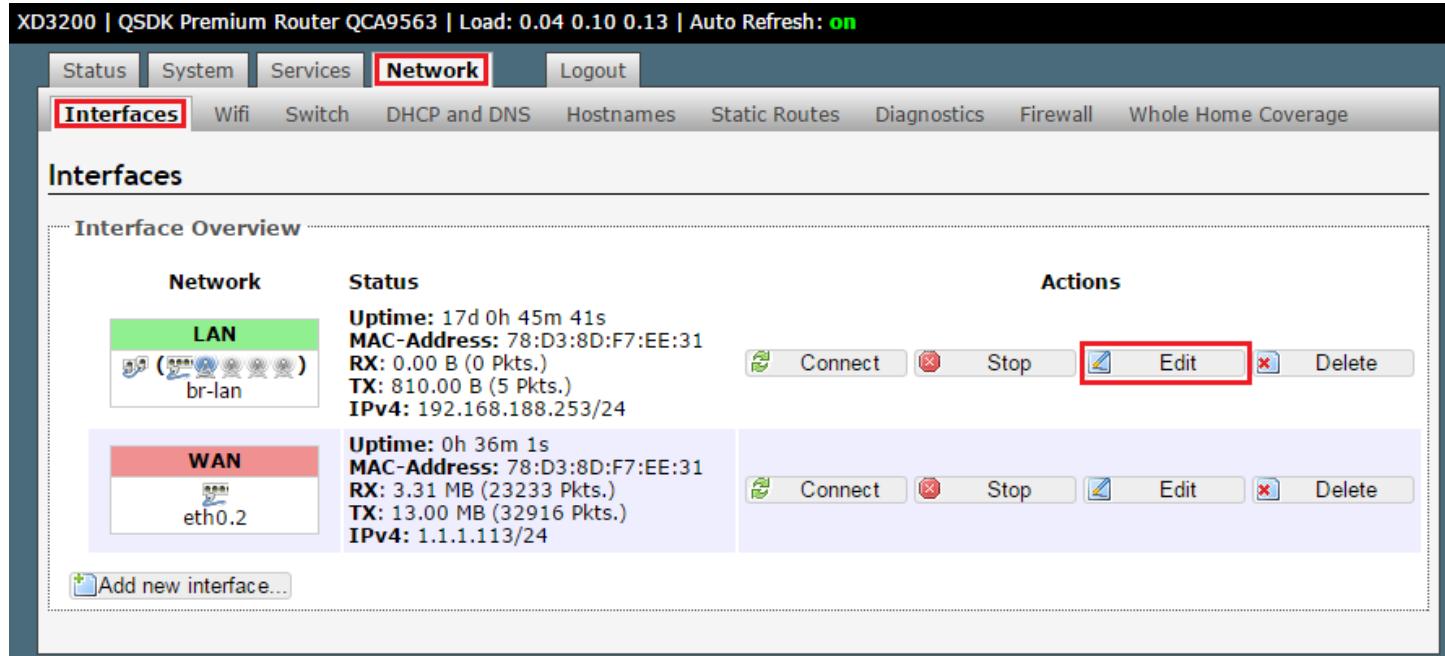
The screenshot shows a web browser window for the **XD3200 | QSDK Premium Router QCA9563 | Load: 0.09 0.11 0.13**. The page title is **Authorization Required**. It displays a message: **Please enter your username and password.** There are two input fields: **Username** (containing **root**) and **Password** (empty). At the bottom are two buttons: **Reset** (disabled) and **Login** (highlighted with a red border).

II. Setup LAN Interface

This section shows how to configure CV880 LAN interface.

SETUP STEPS

1. Login CV880, go to [Network](#) → [Interfaces](#) and **CLICK Edit**.



XD3200 | QSDK Premium Router QCA9563 | Load: 0.04 0.10 0.13 | Auto Refresh: **on**

Status System Services **Network** Logout

Interfaces Wifi Switch DHCP and DNS Hostnames Static Routes Diagnostics Firewall Whole Home Coverage

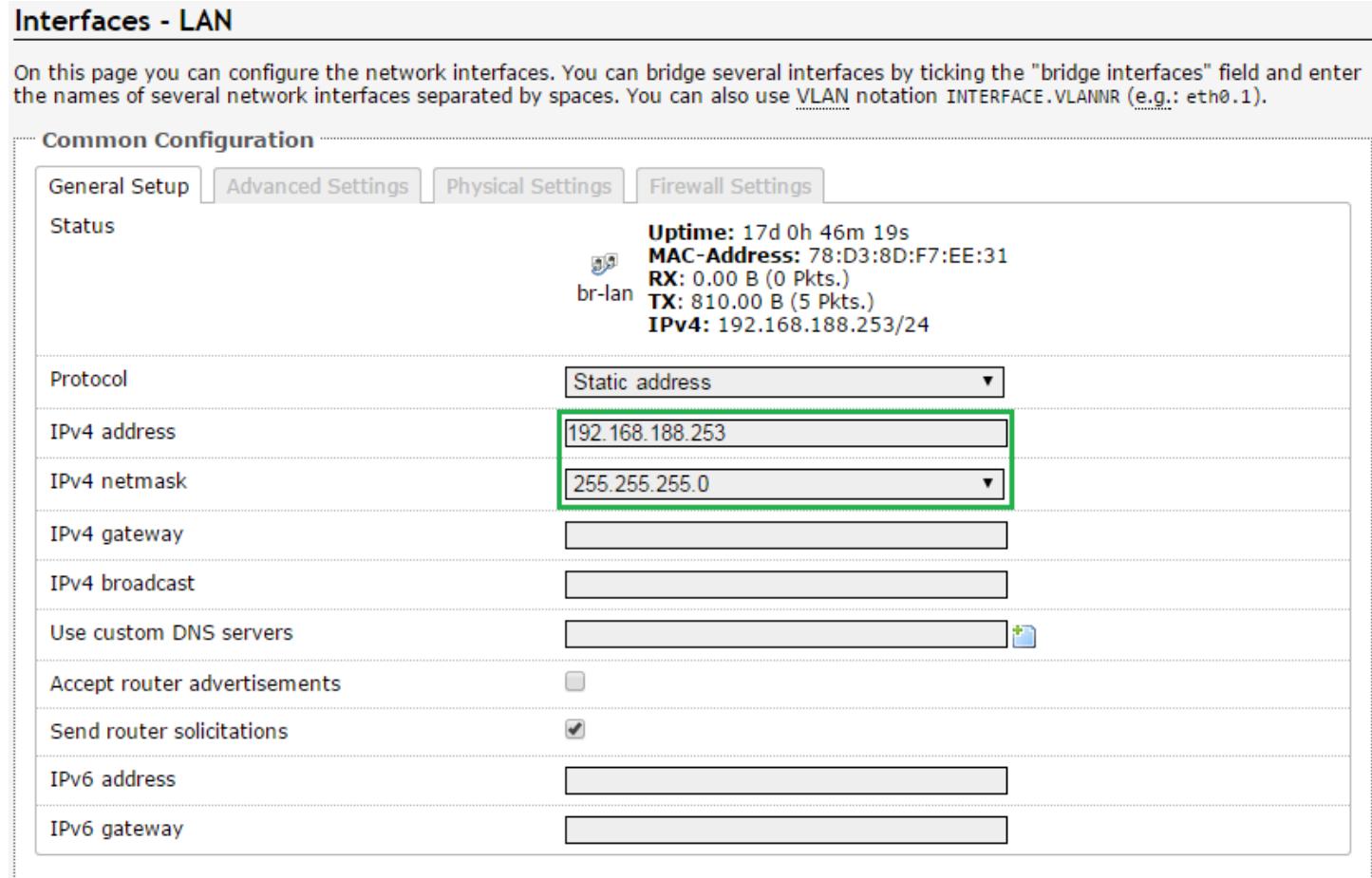
Interfaces

Interface Overview

Network	Status	Actions
LAN  br-lan	Uptime: 17d 0h 45m 41s MAC-Address: 78:D3:8D:F7:EE:31 RX: 0.00 B (0 Pkts.) TX: 810.00 B (5 Pkts.) IPv4: 192.168.188.253/24	 Connect  Stop  Edit  Delete
WAN  eth0.2	Uptime: 0h 36m 1s MAC-Address: 78:D3:8D:F7:EE:31 RX: 3.31 MB (23233 Pkts.) TX: 13.00 MB (32916 Pkts.) IPv4: 1.1.1.113/24	 Connect  Stop  Edit  Delete

 Add new interface...

2. **SET** IPv4 address to the IP you need, default values is 192.168.188.253.



Interfaces - LAN

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).

Common Configuration

General Setup Advanced Settings Physical Settings Firewall Settings

Status

 br-lan	Uptime: 17d 0h 46m 19s MAC-Address: 78:D3:8D:F7:EE:31 RX: 0.00 B (0 Pkts.) TX: 810.00 B (5 Pkts.) IPv4: 192.168.188.253/24
--	---

Protocol **Static address**

IPv4 address **192.168.188.253**

IPv4 netmask **255.255.255.0**

IPv4 gateway

IPv4 broadcast

Use custom DNS servers

Accept router advertisements

Send router solicitations

IPv6 address

IPv6 gateway

3. If you need to setup LAN DHCP server, the next area will allow user to configure the startup IP, IP number and lease time.

DHCP Server

General Setup **Advanced Settings**

Ignore interface	<input type="checkbox"/> ? Disable DHCP for this interface.
Start	2 ? Lowest leased address as offset from the network address.
Limit	251 ? Maximum number of leased addresses.
Leasetime	12h ? Expiry time of leased addresses, minimum is 2 Minutes (2m).

III. Setup Wireless Interface

This section shows how to configure CV880 wireless interface.

SETUP STEPS

1. Login CV880, go to [Network](#) → [Wifi](#) and [CLICK Edit](#).



XD3200 | QSDK Premium Router QCA9563 | Load: 0.13 0.11 0.13 | Auto Refresh: **on**

Status System Services **Network** Logout

Interfaces **WiFi** Switch DHCP and DNS Hostnames Static Routes Diagnostics Firewall Whole Home Coverage

wifi1: Master "Wireless 5.8G" wifi1: Unknown "WirelessAP-5G-12" wifi1: Unknown "WirelessAP-5G-13" wifi1: Unknown "WirelessAP-5G-11"

Wireless Overview

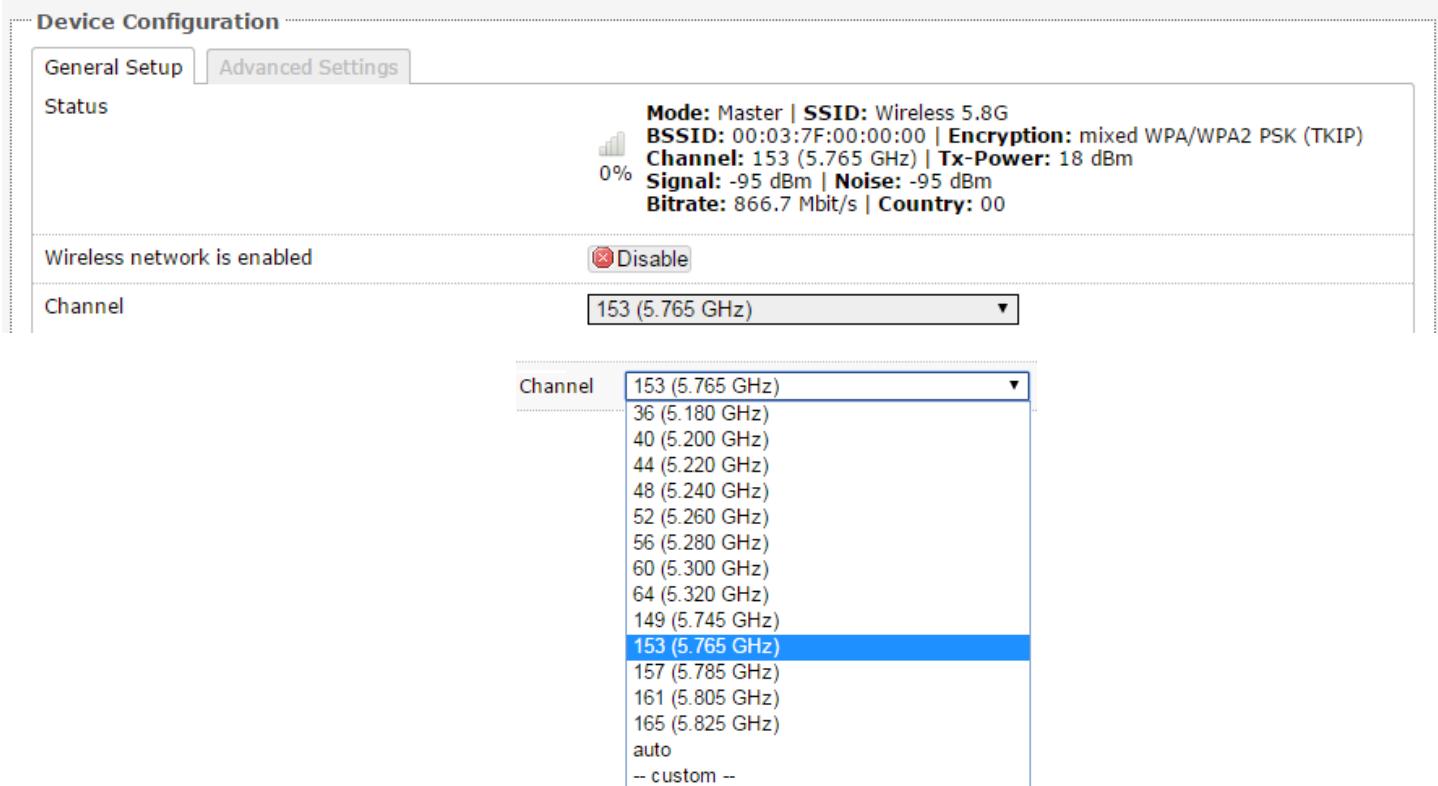
Generic Atheros 802.11an (wifi1)

SSID	Mode	Current Status	Actions
SSID: Wireless 5.8G Mode: Master	Master	0% Wireless is enabled	<input type="checkbox"/> Disable <input style="border: 2px solid red;" type="button" value="Edit"/> <input type="button" value="Remove"/>
SSID: WirelessAP-5G-11 Mode: Unknown	Unknown	0% Wireless is disabled or not associated	<input type="button" value="Enable"/> <input type="button" value="Edit"/> <input type="button" value="Remove"/>
SSID: WirelessAP-5G-12 Mode: Unknown	Unknown	0% Wireless is disabled or not associated	<input type="button" value="Enable"/> <input type="button" value="Edit"/> <input type="button" value="Remove"/>
SSID: WirelessAP-5G-13 Mode: Unknown	Unknown	0% Wireless is disabled or not associated	<input type="button" value="Enable"/> <input type="button" value="Edit"/> <input type="button" value="Remove"/>

2. In Basic setting, user can disable wireless interface and change Channel.

Wireless Network: Master "Wireless 5.8G" (ath1)

The *Device Configuration* section covers physical settings of the radio hardware such as channel, transmit power or antenna selection which is 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*.



Device Configuration

General Setup Advanced Settings

Status

Mode: Master | SSID: Wireless 5.8G
BSSID: 00:03:7F:00:00:00 | Encryption: mixed WPA/WPA2 PSK (TKIP)
Channel: 153 (5.765 GHz) | Tx-Power: 18 dBm
Signal: -95 dBm | Noise: -95 dBm
Bitrate: 866.7 Mbit/s | Country: 00

Wireless network is enabled Disable

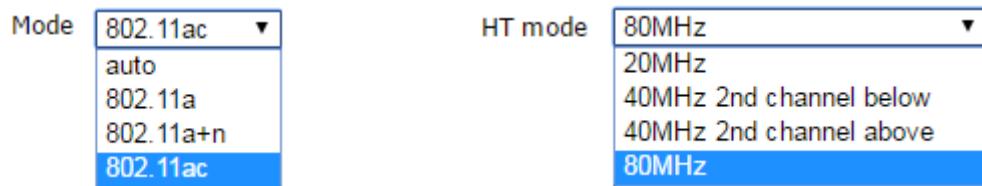
Channel

Channel	153 (5.765 GHz)
36 (5.180 GHz)	
40 (5.200 GHz)	
44 (5.220 GHz)	
48 (5.240 GHz)	
52 (5.260 GHz)	
56 (5.280 GHz)	
60 (5.300 GHz)	
64 (5.320 GHz)	
149 (5.745 GHz)	
153 (5.765 GHz)	153 (5.765 GHz)
157 (5.785 GHz)	
161 (5.805 GHz)	
165 (5.825 GHz)	
auto	
-- custom --	

3. In Advance setting, user can change Mode, channel width (HT mode), and Country Code.

Device Configuration

General Setup	Advanced Settings
Mode	802.11ac
HT mode	80MHz
Tx Antenna bitmask	
Rx Antenna bitmask	
Regulatory Domain	
Country Code	CN



4. In Basic Interface setting, user can change SSID. Not recommended modify Mode and Network, these two options with wrong configuration may cause system unreachable.

Interface Configuration

General Setup	Wireless Security	Advanced Settings
ESSID	Wireless 5.8G	
Mode	Access Point (WDS)	
Network	<input checked="" type="checkbox"/> lan: <input type="checkbox"/> wan: <input type="checkbox"/> create: <input type="text"/> <p>Choose the network(s) you want to attach to this wireless interface or fill out the create field to define a new network.</p>	
Hide ESSID	<input type="checkbox"/>	

5. In Wireless Security setting, user can change Encryption, Cipher and Key.

Interface Configuration

General Setup	Wireless Security	Advanced Settings
Encryption	WPA-PSK/WPA2-PSK Mixed Mode	
Cipher	Force TKIP and CCMP (AES)	
Key	<input type="text"/>	

Encryption

WPA-PSK/WPA2-PSK Mixed Mode	▼
No Encryption	
WEP Open System	
WEP Shared Key	
WPA-PSK	
WPA2-PSK	
WPA-PSK/WPA2-PSK Mixed Mode	

Cipher

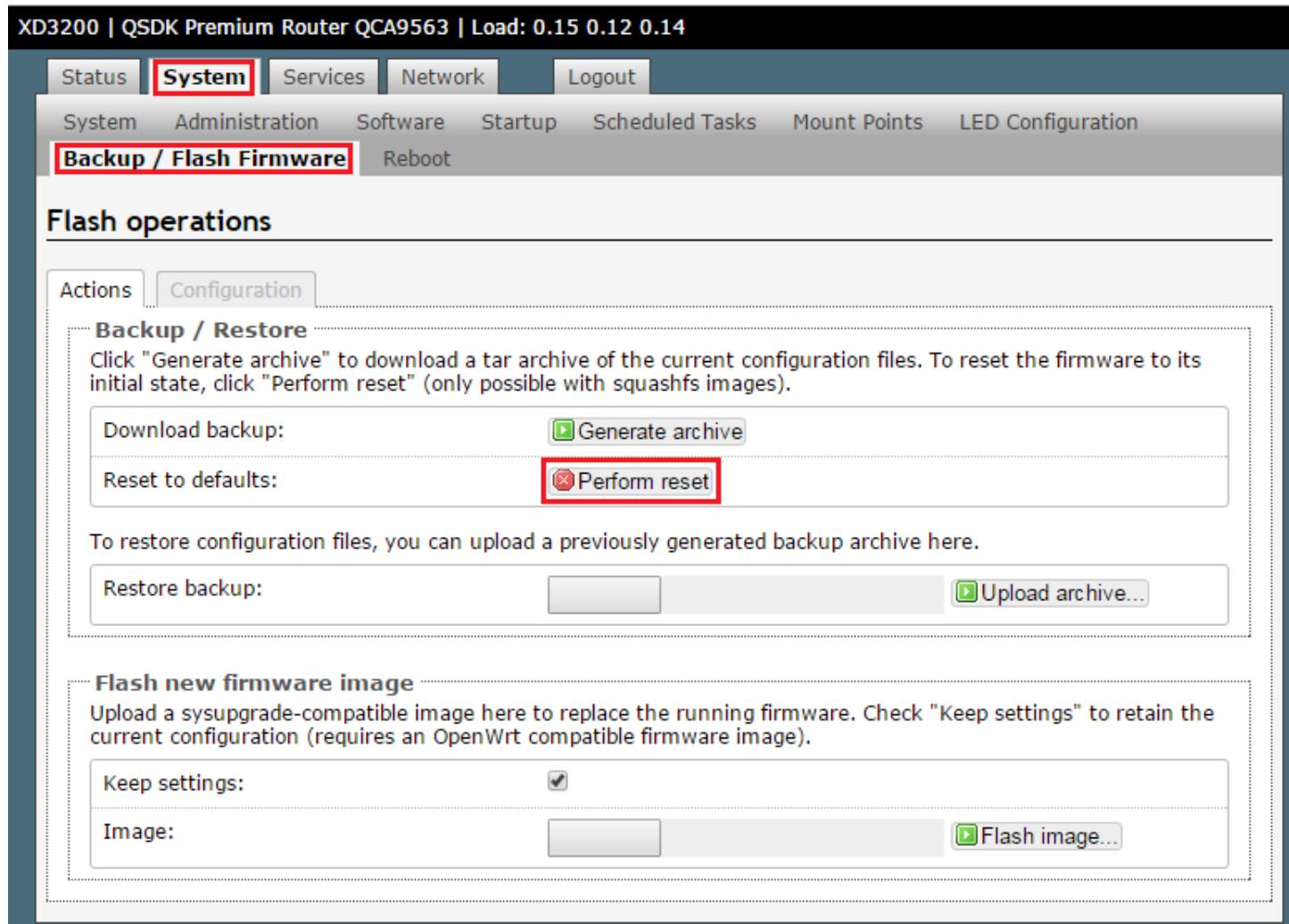
Force TKIP and CCMP (AES)	▼
auto	
Force CCMP (AES)	
Force TKIP	
Force TKIP and CCMP (AES)	

IV. Factory Default

This section shows how to recover the Factory Default Settings to the CV880.

SETUP STEPS

1. Login CV880, go to [System](#) → [Backup / Flash Firmware](#) and [CLICK](#) Perform reset.



XD3200 | QSDK Premium Router QCA9563 | Load: 0.15 0.12 0.14

Status **System** Services Network Logout

System Administration Software Startup Scheduled Tasks Mount Points LED Configuration

Backup / Flash Firmware Reboot

Flash operations

Actions Configuration

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:

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:

Federal Communication Commission Interference Statement

For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

When using IEEE 802.11a wireless LAN, this product is restricted to indoor use, due to its operation in the 5.15 to 5.25GHz frequency range. The FCC requires this product to be used indoors for the frequency range of 5.15 to 5.25GHz to reduce the potential for harmful interference to co channel mobile satellite systems.

High-power radar is allocated as the primary user of the 5.25 to 5.35GHz and 5.65 to 5.85GHz bands. These radar stations can cause interference with and/or damage to this device.