

CV880 Quick Installation Guide

Introduction

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

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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 the login page for the QSDK Premium Router QCA9563. The page title is 'Authorization Required'. Below the title, it says 'Please enter your username and password.' There are two input fields: 'Username' with the value 'root' and 'Password' which is empty. At the bottom right, there are two buttons: 'Reset' and 'Login'. The 'Login' button is highlighted with a red box.

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	<input type="text"/>
Accept router advertisements	<input type="checkbox"/>
Send router solicitations	<input checked="" type="checkbox"/>
IPv6 address	<input type="text"/>
IPv6 gateway	<input type="text"/>

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

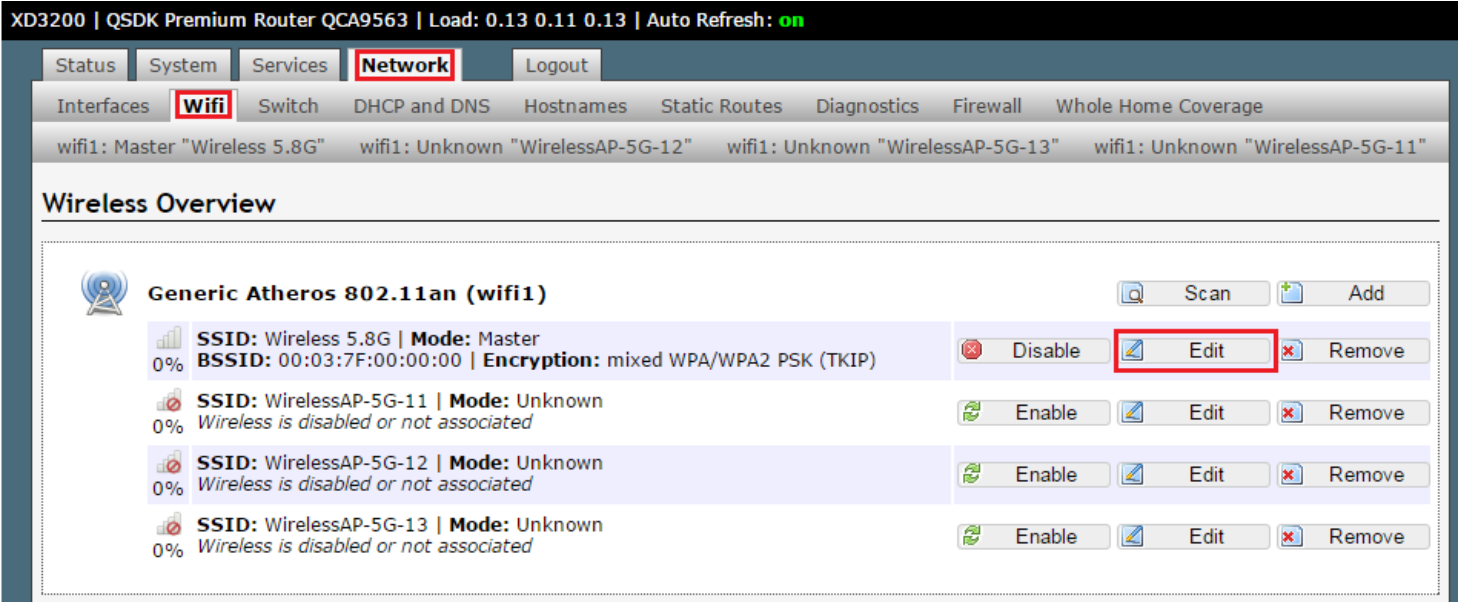
Ignore interface	<input type="checkbox"/> ? Disable DHCP for this interface.
Start	<input type="text" value="2"/> ? Lowest leased address as offset from the network address.
Limit	<input type="text" value="251"/> ? Maximum number of leased addresses.
Leasetime	<input type="text" value="12h"/> ? Expiry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

III. Setup Wireless Interface

This section shows how to configure CV880 wireless interface.

SETUP STEPS

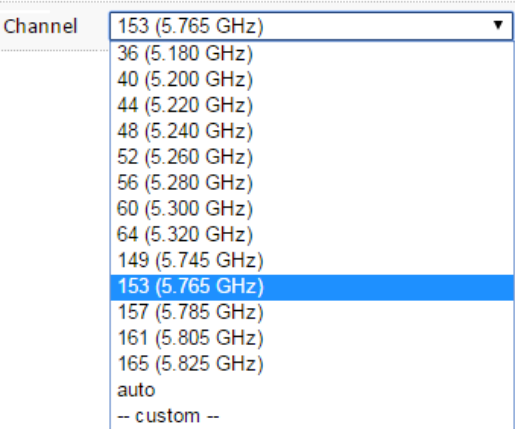
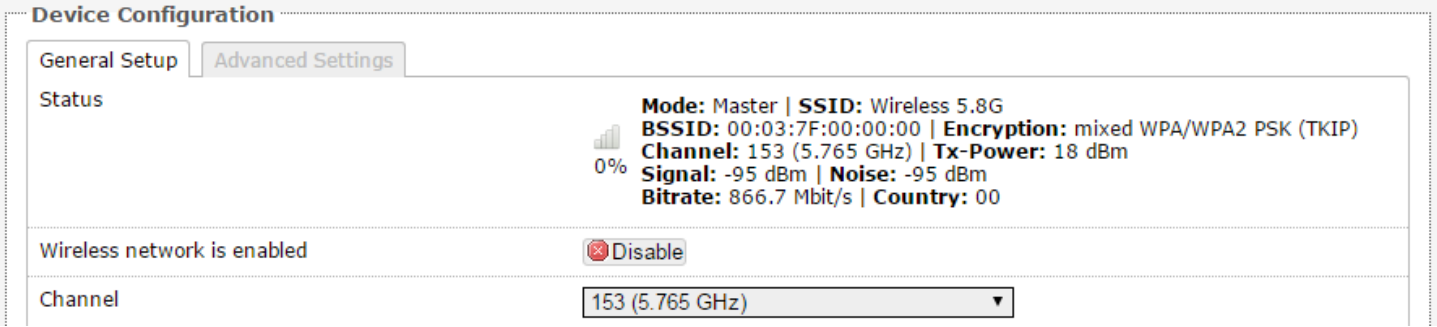
- 1. Login CV880, go to [Network](#) → [Wifi](#) and [CLICK Edit](#).



- 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*.



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

Mode: 802.11ac ▼
 auto
 802.11a
 802.11a+n
 802.11ac

HT mode: 80MHz ▼
 20MHz
 40MHz 2nd channel below
 40MHz 2nd channel above
 80MHz







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: ☒ lan:     
☐ wan: 
☐ create:

 Choose the network(s) you want to attach to this wireless interface or fill out the create field to define a new network.

Hide ESSID: ☐



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:  

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

StatusSystemServicesNetworkLogout

SystemAdministrationSoftwareStartupScheduled TasksMount PointsLED Configuration

Backup / Flash FirmwareReboot

Flash operations

ActionsConfiguration

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:

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:

Flash image...

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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.