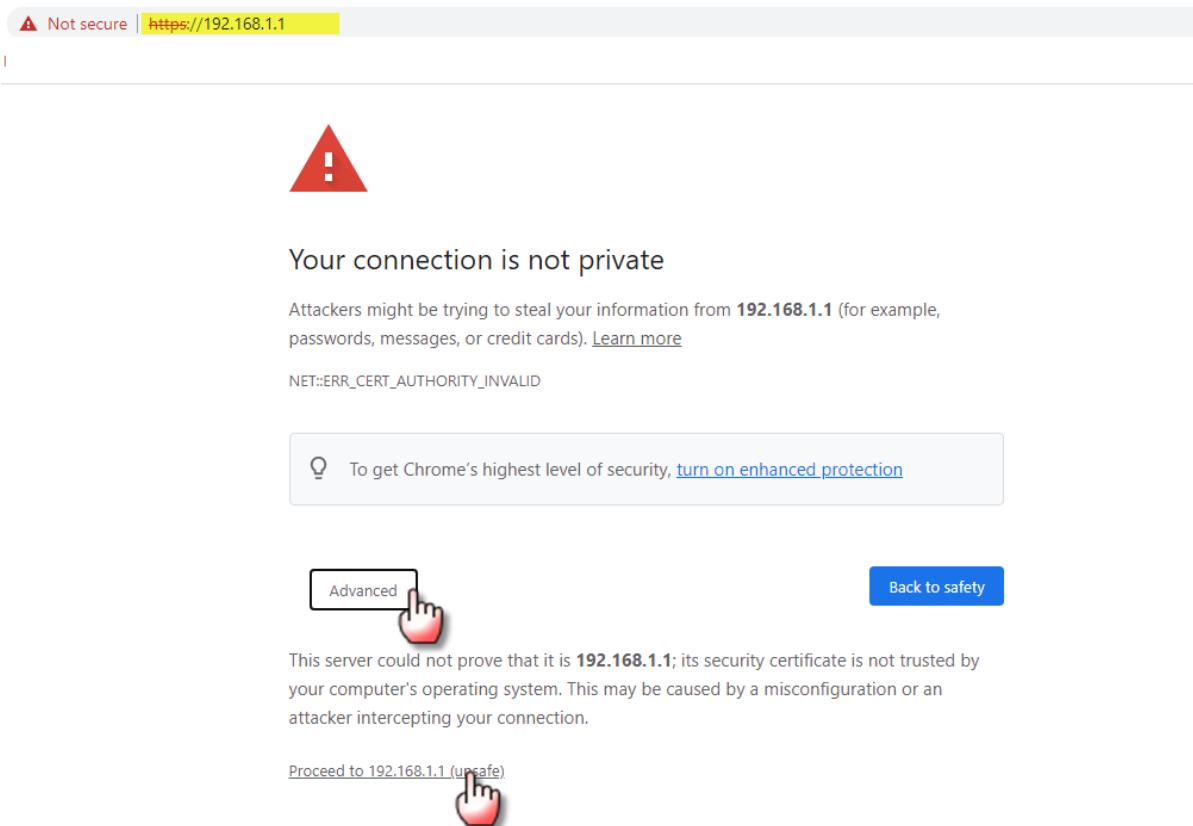


WIFIX NEX5GO ROUTER – USER MANUAL

This User Manual provides the basics for configuring the WiFiX NEXR5GO router with the WiFiX firmware.

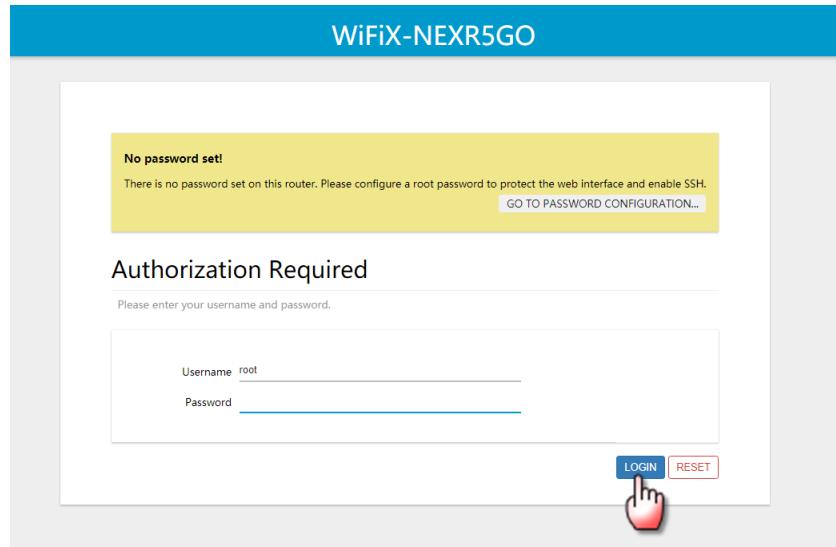
In order to obtain the best results, avoid using WiFi to setup the router since you cannot make changes to the WiFi while logged into the router via its WiFi. Equally important, *NEVER* use the WiFi when updating a router's firmware.

1. Connect an Ethernet cable from one of the router's "LAN" ports to the network port on a PC (or Laptop).
2. Plug the 12 Volt power adapter into the electrical wall socket and insert the power connector into the router. The router will then begin its initial powering up process which, on first power up, may take a minute or two to complete. Left Clicking the Network/WiFi Icon on the PC's lower (right hand) tool bar will show the completion of the initiation process when it changes from "Identifying..." to "Connected".
3. Open a web browser and type in the routers IP address of **192.168.1.1** and hit enter. Our WiFiX firmware includes WireGuard (VPN) which requires https as opposed http. Therefore, a non private warning may be displayed since the router produces a "self-signed" https security certificate which is completely normal and safe. Different web browsers may display this warning a little differently. In Google Chrome, click on the **Advanced** button and click on the **Proceed to 192.168.1.1**

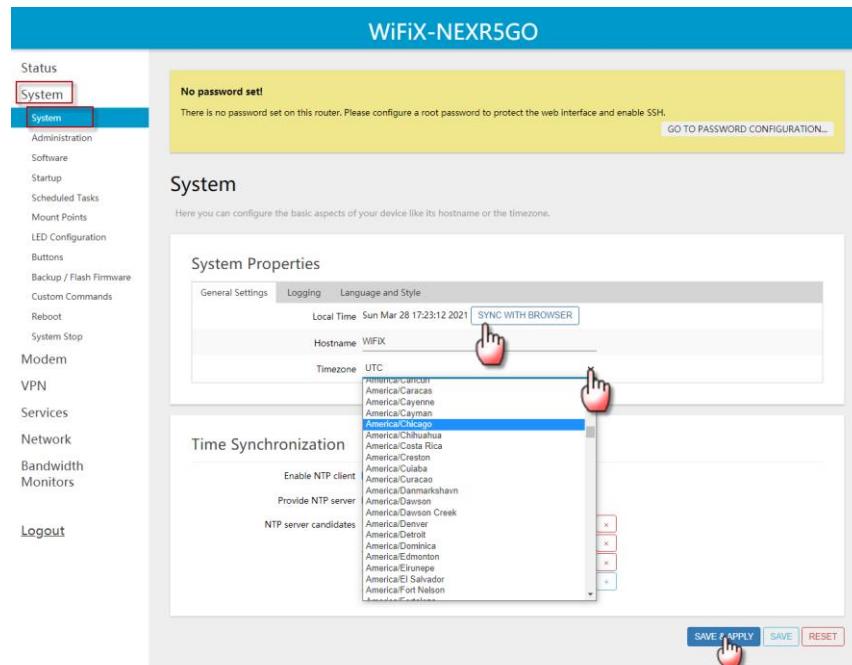


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4. The login console should now appear with the user name of “root”. There is no password set on a new router and/or fresh install of WiFiX firmware so it should be left blank. Click the **LOGIN** button:

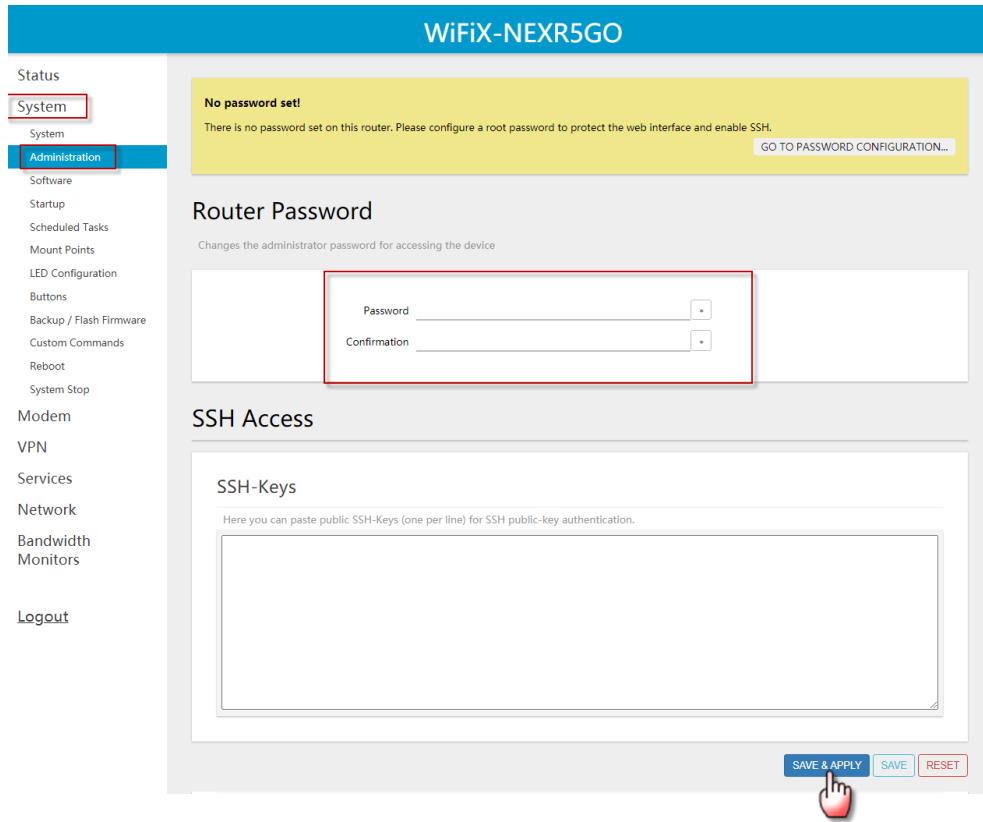


5. Once logged into the router, the Local Time and Time Zone needs to be set. Go to **SYSTEM > SYSTEM** and click on **SYNC WITH BROWSER**. Next, select the proper **Time Zone** from the drop down list then **SAVE & APPLY** (which must **ALWAYS** be done for **ANY** change to a firmware configuration to take effect).

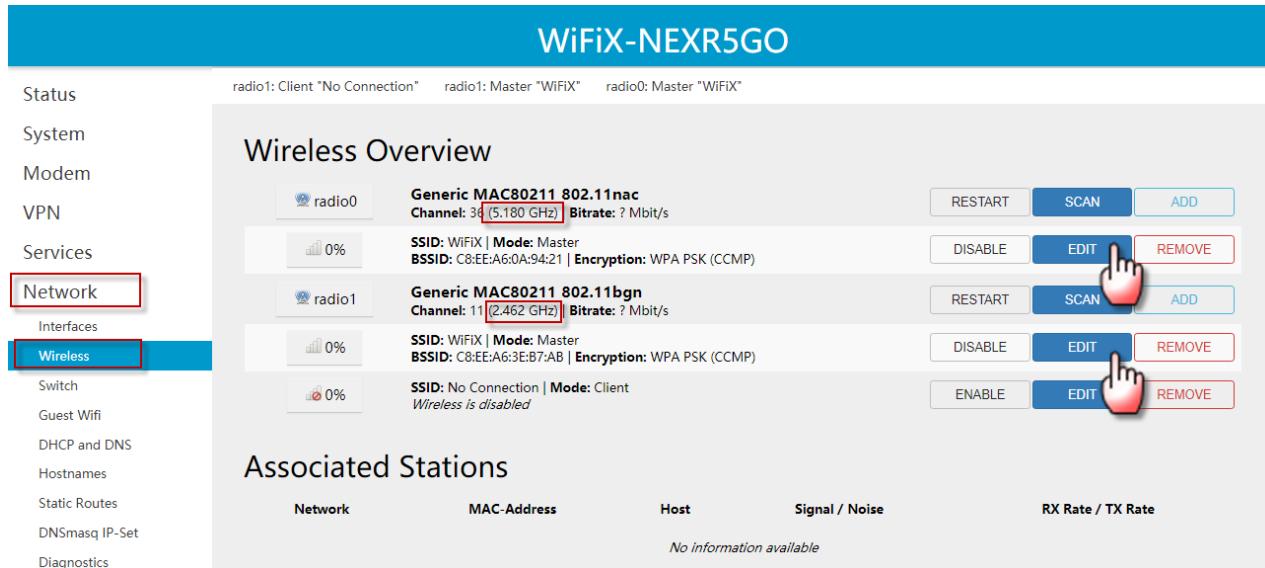


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6. Next, go to **SYSTEM > ADMINISTRATION > ROUTER PASSWORD** and enter your password that is required to access the router's login console. Then, **SAVE & APPLY**:

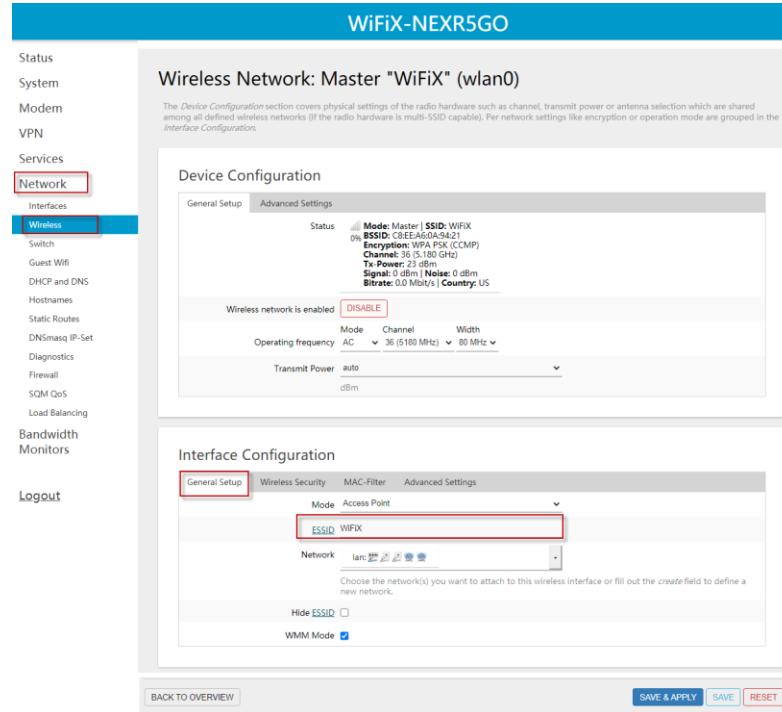


7. To modify the WiFi settings go to **NETWORK > WIRELESS** select the **EDIT** button on the WiFi interface (2.4GHz and/or 5GHz) to be modified. This will allow changing the WiFi name (ESSID) and/or WiFi password.

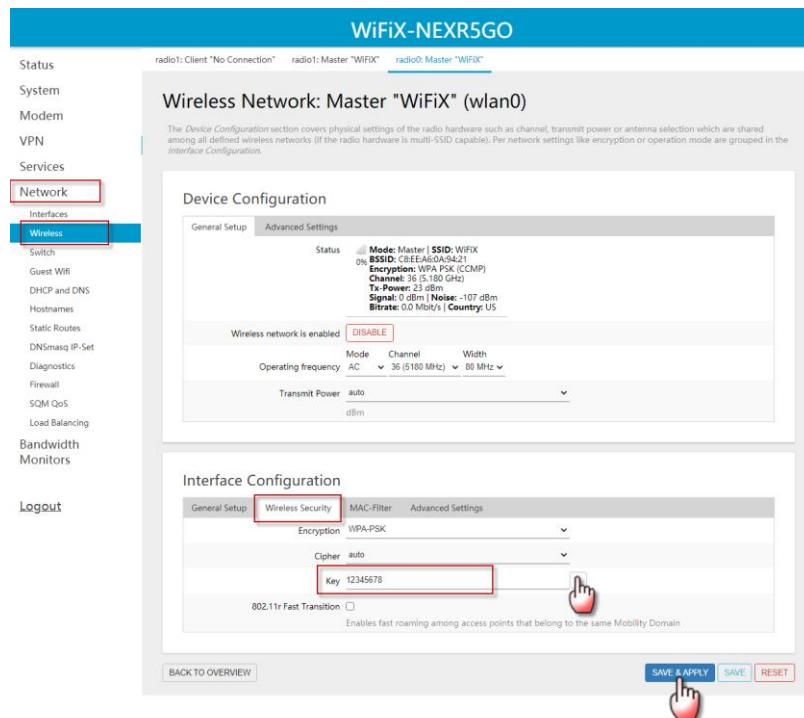


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8. On the lower screen **GENERAL SETUP** tab, modify the WiFiX broadcasting name to whatever name is desired:

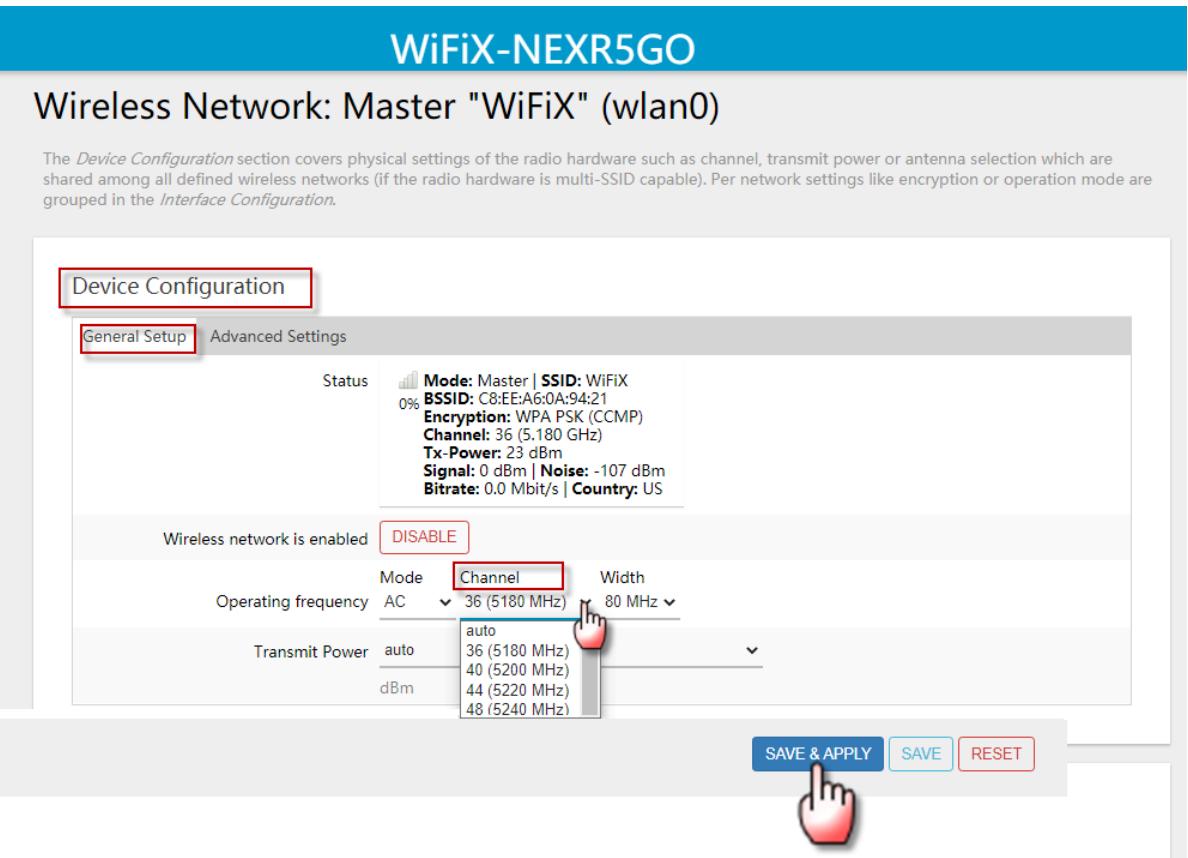


9. Click on the **WIRELESS SECURITY** tab and enter the password (Key) to access the WiFi. Clicking on the icon next to the Key will display the password that was entered. Once completed with all setting, click **SAVE & APPLY**



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10. The above steps are for a general setup of the WiFi. The WiFi Mode, Channels, Width and Power may be manually configured from its default settings. This includes the ability to lock the WiFi to a specifically channel or, by using the Auto channel selection option.
11. To lock the WiFi to a specific Channel, Go to **NETWORK > WIRELESS > DEVICE CONFIGURATION > GENERAL SETUP**, and select the preferred Channel from the drop-down list. Then, **SAVE & APPLY**.



WiFi-X-NEXR5GO

Status

System

Modem

VPN

Services

Network

Interfaces

Wireless

Switch

Guest WiFi

DHCP and DNS

Hostnames

Static Routes

DNSmasq IP-Set

Diagnostics

Firewall

SQM QoS

Load Balancing

Bandwidth Monitors

Logout

Wireless Network: Master "WiFiX" (wlan0)

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*.

Device Configuration

General Setup **Advanced Settings**

Status

0% **Mode: Master | SSID: WiFiX**
BSSID: C8:EE:A6:0A:94:21
Encryption: WPA PSK (CCMP)
Channel: 36 (5.180 GHz)
Tx-Power: 23 dBm
Signal: 0 dBm | Noise: -107 dBm
Bitrate: 0.0 Mbit/s | Country: US

Wireless network is enabled **DISABLE**

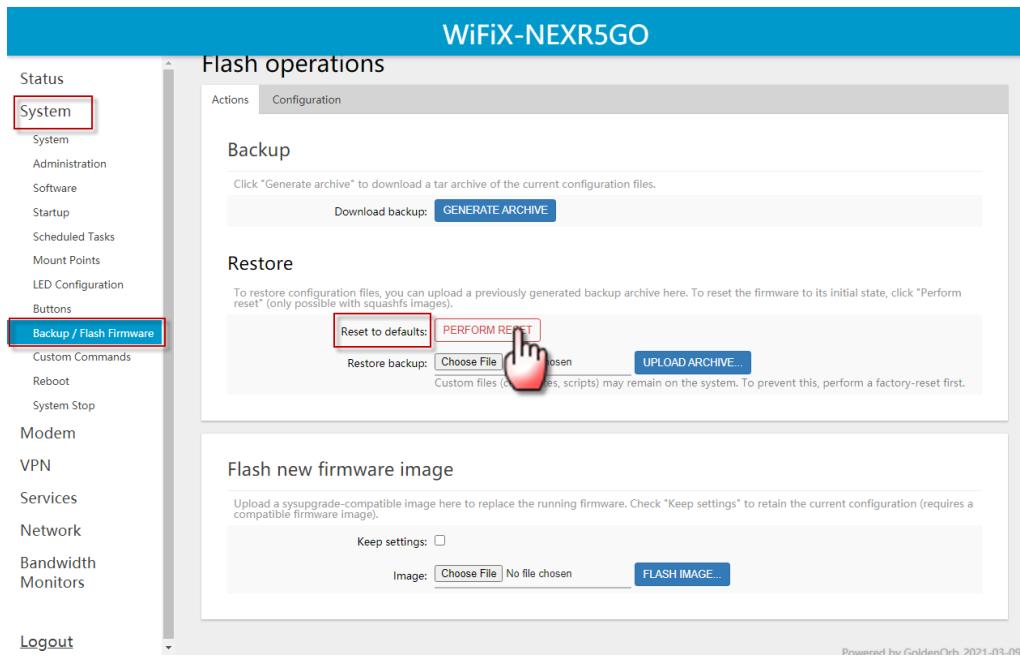
Operating frequency **Mode** **Channel** **Width**
AC **36 (5180 MHz)** 80 MHz

Transmit Power **auto**
dBm **auto**
36 (5180 MHz)
40 (5200 MHz)
44 (5220 MHz)
48 (5240 MHz)

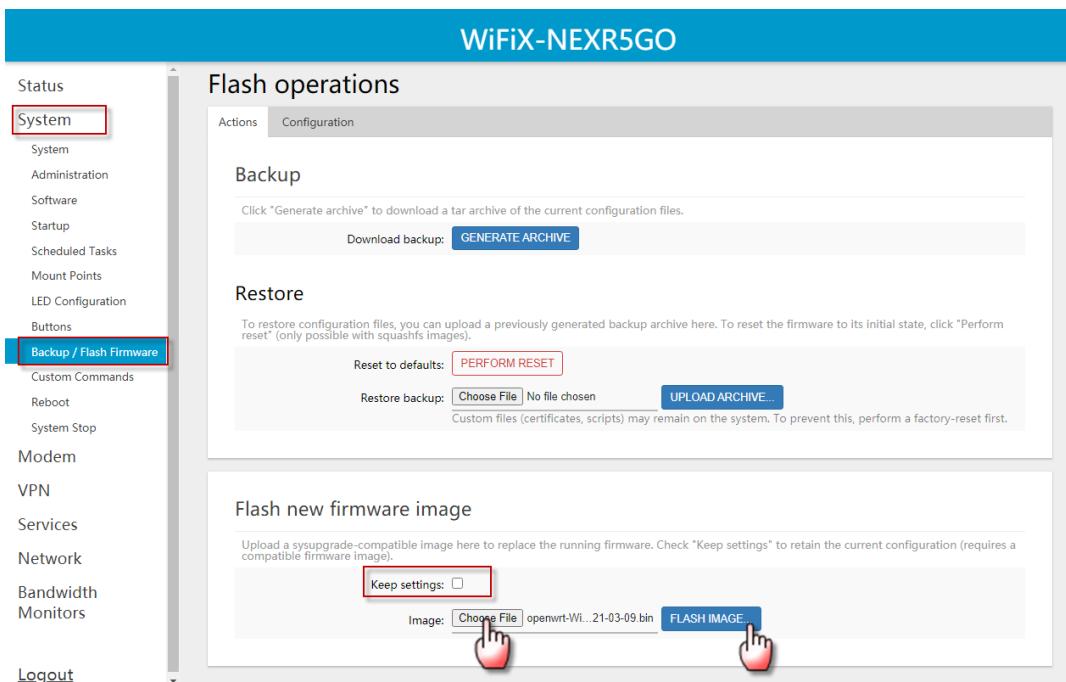
SAVE & APPLY **SAVE** **RESET**

12. Repeat Steps 8 through 11 to EDIT the other WiFi Interface as shown in Step 7.
13. After all of the settings are configured, we recommend rebooting the router. Allow the router a few minutes to boot up, stabilize and apply its new configurations.
14. One of the router's features is the ability to Reset the Firmware to its default settings. This is useful if some of the changes adversely affected the router's functionality or performance. This reset returns the firmware to its original (default) configuration and removes the password, WiFi and others settings.
15. Go to **SYSTEM > BACKUP / FLASH FIRMWARE > RESTORE < RESET TO DEFAULTS** and click **PERFORM RESET**:

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16. If ever the occasion the WiFi X firmware becomes unstable or corrupt, reloading the WiFi X firmware may be recommended. Go to **SYSTEM > BACKUP / FLASH FIRMWARE** and **CHOOSE FILE** to the firmware's location downloaded to PC and **FLASH IMAGE**. **MAKE SURE** the Keep Settings box is **UNCHECKED**:



FCC Caution:

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.