

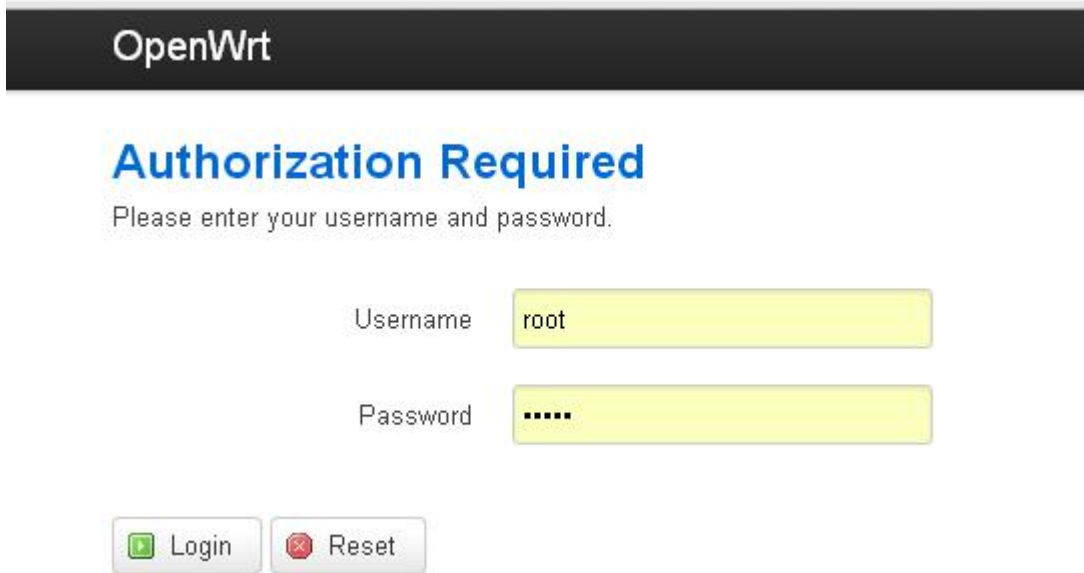
# OpenWRT Manual

## Catalog

1. How to log in the device
2. How to edit the SSID and channel
3. How to edit the log in IP address
4. How to set the wireless encryption
5. How to set up the PPPOE
6. How to change the language

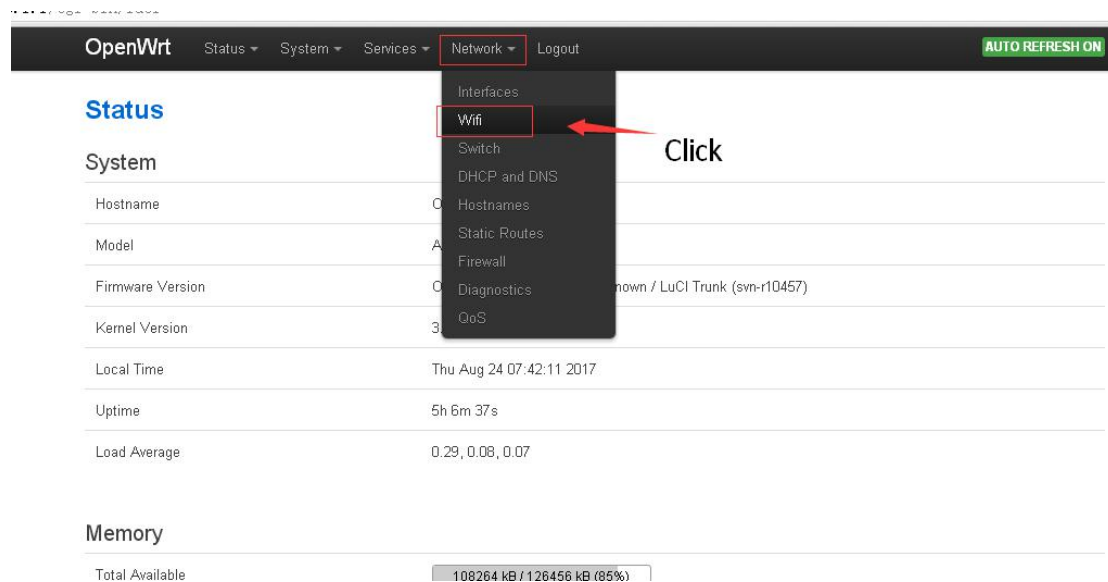
## 1. How to log in the device

The router provides the UI based on the IE, this solution could work in any MS Windows, Macintosh or UNIX system. Run the browser, unabled the VPN (if the VPN is working), and then input the 192.168.1.1 in browser. After doing that, you will see the login page, you should enter it as administrator, which means you should enter the username: root /Password: admin, and then click the “log in”



The image shows the OpenWrt login page. At the top, there is a black header with the 'OpenWrt' logo in white. Below the header, the text 'Authorization Required' is displayed in a large blue font. Underneath, a message says 'Please enter your username and password.' There are two input fields: 'Username' with the text 'root' and 'Password' with six dots. Below the fields are two buttons: 'Login' with a green arrow icon and 'Reset' with a red 'X' icon.

## 2. How to edit the SSID and the channel




The image shows the OpenWrt web interface. The top navigation bar includes 'OpenWrt', 'Status', 'System', 'Services', 'Network', and 'Logout'. The 'Network' menu is open, showing options: 'Interfaces', 'Wifi', 'Switch', 'DHCP and DNS', 'Hostnames', 'Static Routes', 'Firewall', 'Diagnostics', and 'QoS'. A red arrow points to the 'Wifi' option with the text 'Click'. The main content area shows system status information: Hostname (0), Model (A), Firmware Version (0), Kernel Version (3), Local Time (Thu Aug 24 07:42:11 2017), Uptime (5h 6m 37s), and Load Average (0.29, 0.08, 0.07). At the bottom, there is a 'Memory' section with a progress bar showing 'Total Available' and '108264 kB / 126456 kB (85%)'.

Choose the “Network”-“Wifi”, so that you could enter into the wireless setting page.

ra0: Master "OpenWrt\_7620a\_2.4G\_0114"

### Wireless Overview

 **Ralink/MTK RT2860v2 802.11bgn (ra0)**  
Channel: 1 (2.4 GHz) | Bitrate: 300 Mbit/s

SSID: OpenWrt\_7620a\_2.4G\_0114 | Mode: Master  
0% BSSID: 78:A3:51:1C:01:14 | Encryption: -

Disable Scan Add

Edit Remove

### Associated Stations

SSID	MAC-Address	IPv4-Address	Signal	Noise	RX Rate	TX Rate
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No information available

Powered by LuCI Trunk (svn-r10457) OpenWrt Barrier Breaker unknown


Click the "Edit" into the configuration page. You could edit the SSID and Channel now, after the editing, you should click the "save&apply"

.b8. 1. 1/cgi-bin/luci/;stok=c1192af3b8ccbd43d1cb8a9d31beb1fe/admin/network/wireless/ra0.network1

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

Status  **Mode:** Master | **SSID:** OpenWrt\_7620a\_2.4G\_0114  
0% **BSSID:** 78:A3:51:1C:01:14 | **Encryption:** None  
**Channel:** 1 | **Tx-Power:** 20 dBm  
**Signal:** -95 dBm | **Noise:** -95 dBm  
**Bitrate:** 300.0 Mbit/s | **Country:** US

Wireless network is enabled Disable

Channel: auto

Tx Power(mw): 100

Mode: 802.11bgn

HT Mode: HT40 Only

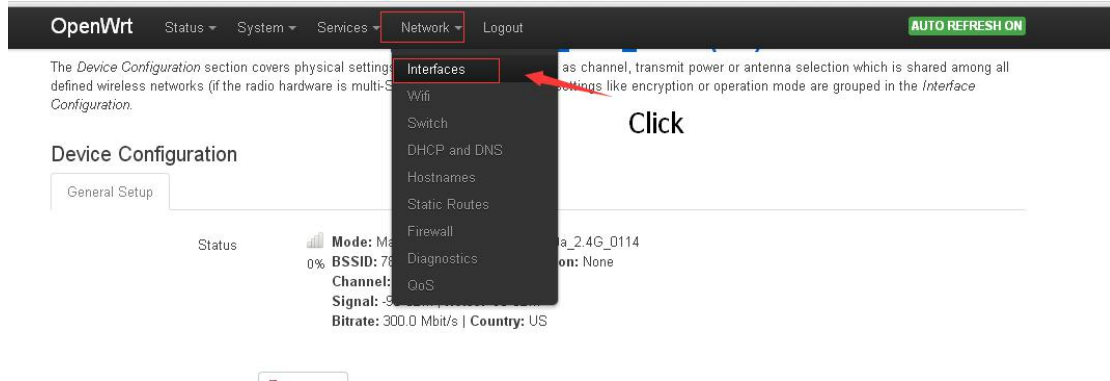
Country Code: US

### Interface Configuration

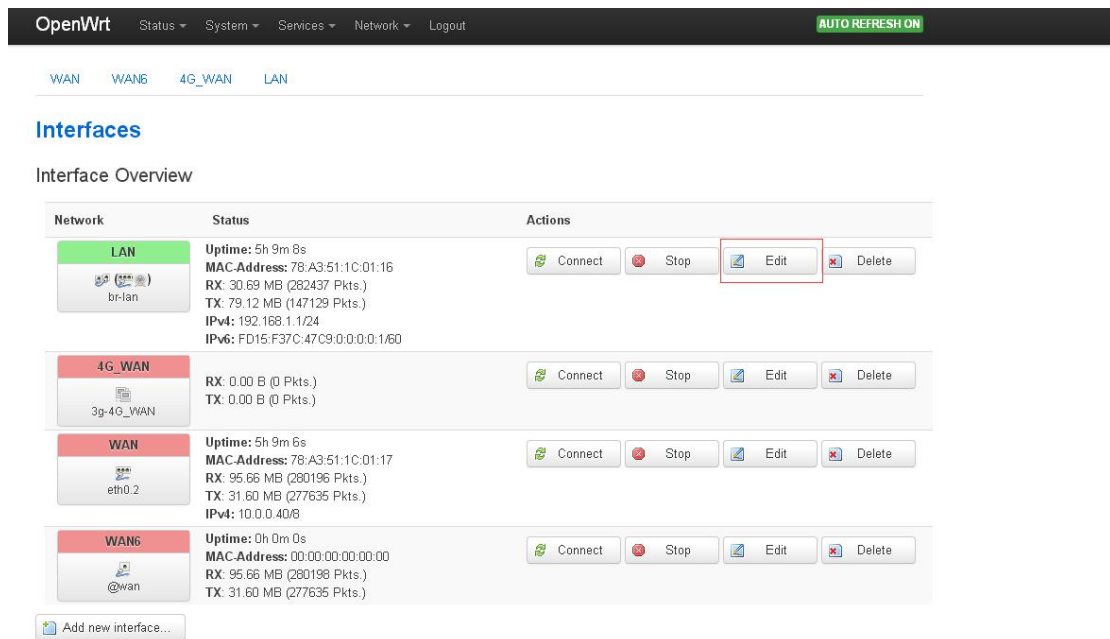
General Setup **Wireless Security** Advanced Settings

ESSID: OpenWrt\_7620a\_2.4G\_0114

3、How to edit the IP address.

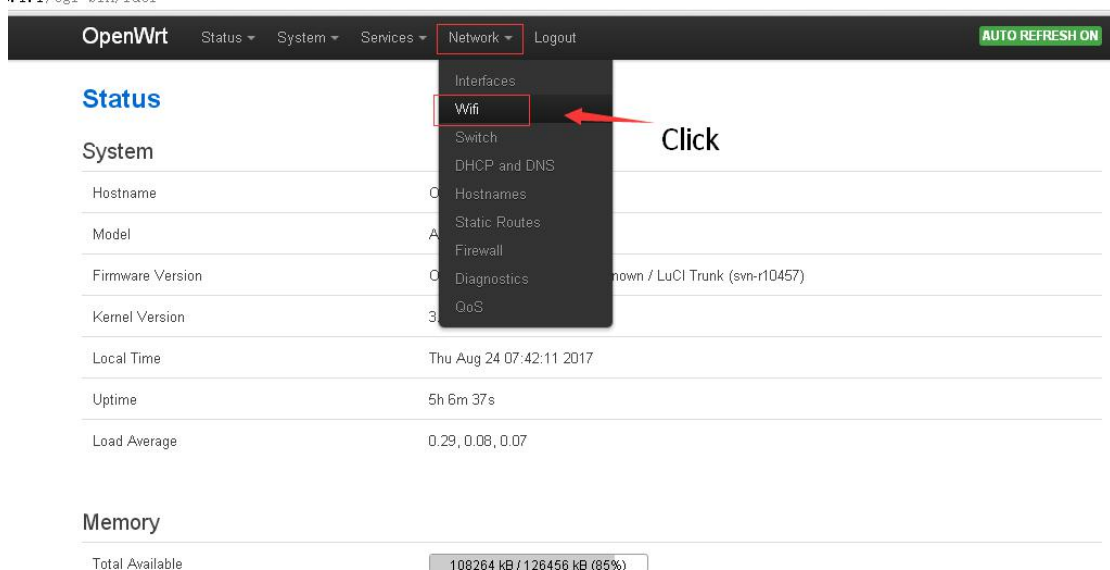


Click the “Network”-“Interfaces”, you could go to the interface setting page.

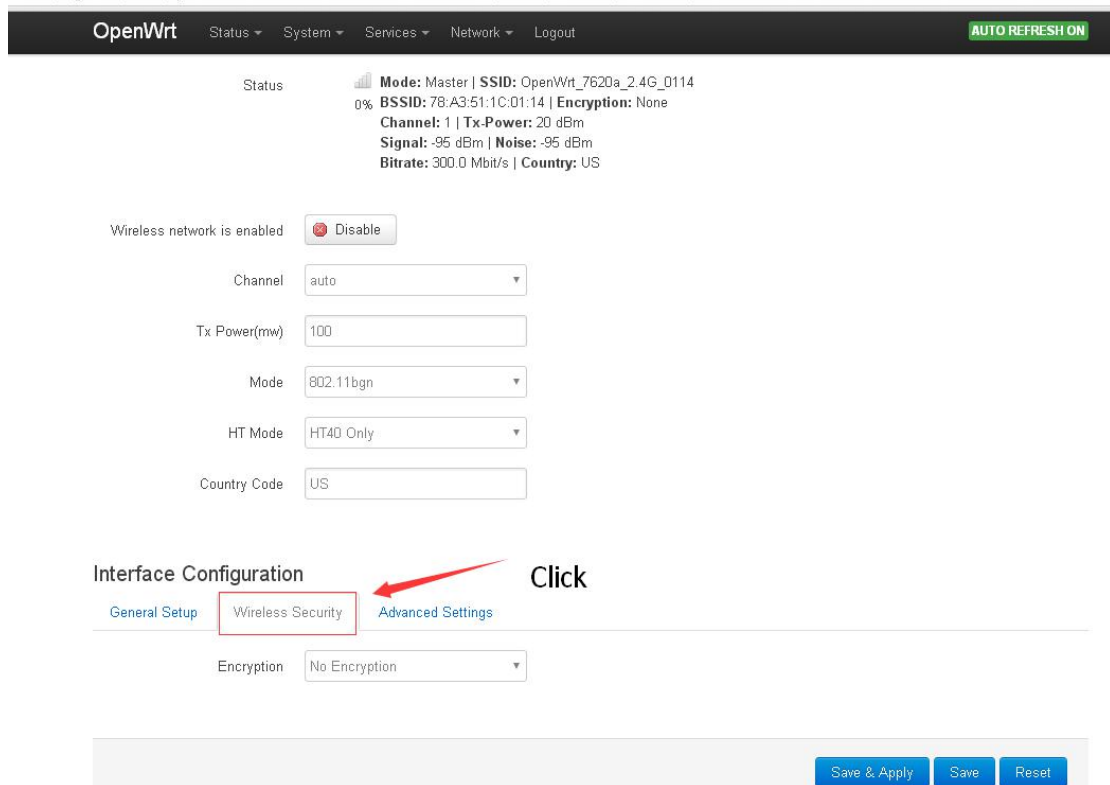


Choose the “Edit” of the LAN, you could edit the LAN IP now, after editing, click the “save&apply”

#### 4. How to edit the wireless encryption.



Choose the “Network”-”Wifi”, enter the wireless setting page, you then click the “Wireless Security”

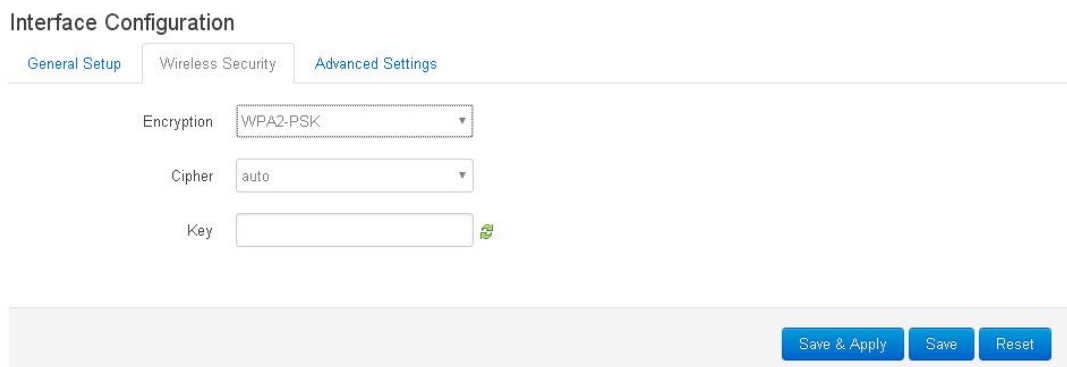


The screenshot shows the OpenWrt web interface. At the top, there is a navigation bar with "OpenWrt" and menu items: "Status", "System", "Services", "Network", and "Logout". A green "AUTO REFRESH ON" button is on the right. Below the navigation bar, the "Status" section displays wireless network information: "Mode: Master | SSID: OpenWrt\_7620a\_2.4G\_0114", "0% BSSID: 78:A3:51:1C:01:14 | Encryption: None", "Channel: 1 | Tx-Power: 20 dBm", "Signal: -95 dBm | Noise: -95 dBm", "Bitrate: 300.0 Mbit/s | Country: US".

Below the status section, there is a "Wireless network is enabled" section with a "Disable" button. Underneath are several configuration fields: "Channel" (set to "auto"), "Tx Power(mw)" (set to "100"), "Mode" (set to "802.11bgn"), "HT Mode" (set to "HT40 Only"), and "Country Code" (set to "US").

The "Interface Configuration" section has three tabs: "General Setup", "Wireless Security" (highlighted with a red box and a red arrow pointing to it with the word "Click" next to it), and "Advanced Settings". Under the "Wireless Security" tab, the "Encryption" dropdown is set to "No Encryption". At the bottom right of this section are three buttons: "Save & Apply", "Save", and "Reset".

Click the encryption, Cipher, and your password, click the “Save & Apply”



The screenshot shows the "Wireless Security" tab in the "Interface Configuration" section. It has three tabs: "General Setup", "Wireless Security" (active), and "Advanced Settings". Under the "Wireless Security" tab, there are three configuration fields: "Encryption" (set to "WPA2-PSK"), "Cipher" (set to "auto"), and "Key" (an empty text input field with a green key icon to its right). At the bottom right of this section are three buttons: "Save & Apply", "Save", and "Reset".

## 5. How to set the PPPOE

Follow the point 1, click the “Edit” of the WAN

## Interfaces

### Interface Overview

Network	Status	Actions
<b>LAN</b> br-lan	Uptime: 2d 4h 46m 51s MAC-Address: 78:A3:51:06:2B:2D RX: 142.11 MB (1015578 Pkts.) TX: 1.30 MB (3277 Pkts.) IPv4: 192.168.1.1/24	Connect Stop Edit Delete
<b>WAN</b> eth2.2	Uptime: 0h 0m 0s MAC-Address: 78:A3:51:06:2B:2E RX: 0.00 B (0 Pkts.) TX: 24.87 MB (63273 Pkts.)	Connect Stop Edit Delete

[Add new interface...](#)

Click here

Click the protocol, and then choose the "PPPOE", and then click the switch the protocol.  
TX: 24.88 MB (63300 Pkts.)

Protocol: Static address

IPv4 address: Static address

IPv4 netmask: DHCP client

IPv4 gateway: Unmanaged

IPv4 broadcast: PPP

Use custom DNS servers: PPPoE

Use custom DNS servers: PPPoATM

Use custom DNS servers: UMTS/GPRS/EV-DO

Use custom DNS servers: L2TP

## Interfaces - WAN

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

Status: eth2.2 Uptime: 0h 0m 0s  
MAC-Address: 78:A3:51:06:2B:2E  
RX: 0.00 B (0 Pkts.)  
TX: 24.88 MB (63306 Pkts.)

Protocol: PPPoE

Really switch protocol?


To type in the username and the password.

## Interfaces - WAN

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  pppoe-wan RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.)

Protocol: PPPoE

PAP/CHAP username: root

PAP/CHAP password: .....

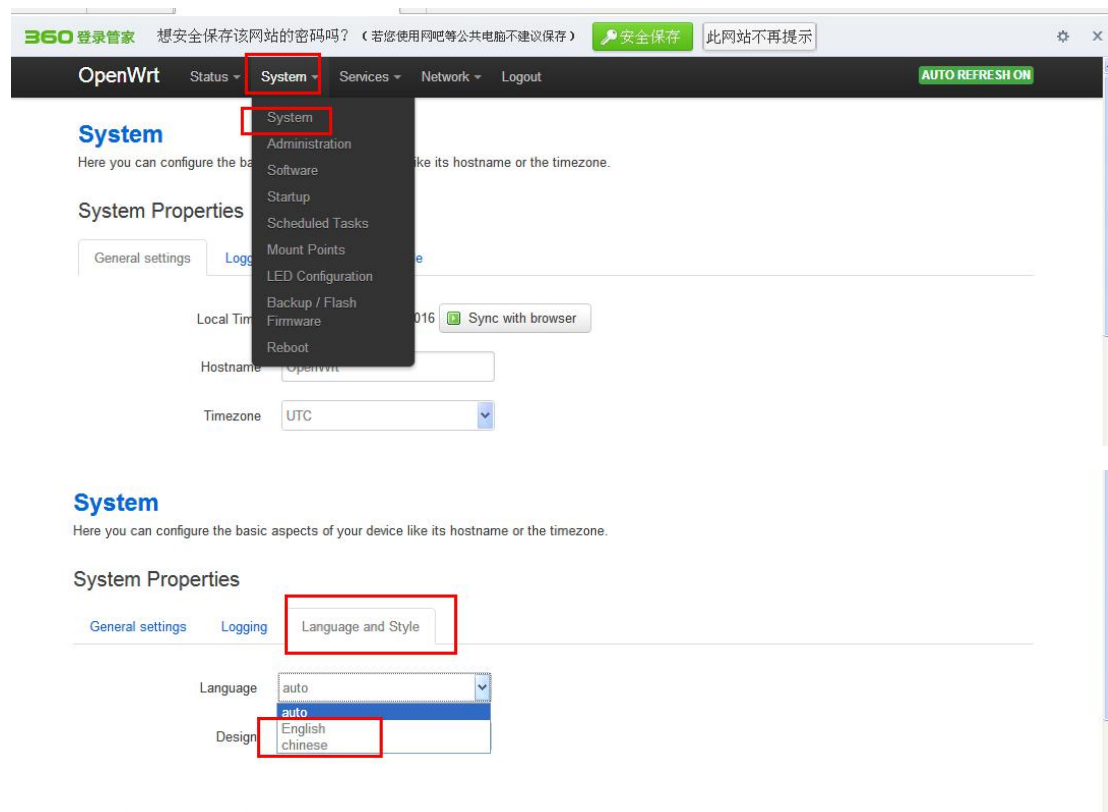
Access Concentrator: auto  
 Leave empty to autodetect

Service Name: auto  
 Leave empty to autodetect

To click the "Save & Apply"

### 6. How to change the language.

Click the "system" –"system", and click the "Language & Style" You could find the way to change the webpage language.



The screenshot shows the OpenWrt web interface. The top navigation bar includes "System" which is highlighted with a red box. A dropdown menu is open, showing "System" as the selected option, also highlighted with a red box. Below the menu, the "System Properties" section is visible, with "Language and Style" highlighted in a red box. The "Language" dropdown menu is open, showing "auto" as the selected option, and "English" and "chinese" are also highlighted with red boxes.

**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.