



Wireless Router Products

CR300 300M Wireless Router User Manual

Version: V1.0



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1 Note

1.1 Installation Precautions

- Do not place the equipment near flammable or conductive items, high temperatures (such as direct sunlight) or in wet conditions, or on a PC chassis, and check that the surrounding appliances are stable.
- Check the cable for aging. Check and verify that the AC or DC input voltage is within the permissible range of the device and that the polarity of the DC is correct.
- Unless the manufacturer permit, use the type of power indicated on the label and the adapter supplied with the product.
- To prevent damage to the product from lightning, make sure that the ground of the power outlet and the power adapter is securely grounded. In the thunderstorm, be sure to unplug the power and all the connections.
- Equipment input voltage fluctuation should be less than 10%, the power plug, refrigerators, hair dryer and iron should not use the same socket.
- To avoid electric shock or fire due to overload of the power outlet, damage to the cord or damage to the plug, check the power cord regularly. If damage is found, replace it immediately.
- Please place the device on a flat surface and can not place items on the device.
- Equipment is easy to produce heat when working, should maintain the appropriate cooling space to avoid damage caused by overheating products. The elongated hole on the shell is designed for heat dissipation. Keep the ventilation clean and avoid falling from the heat sink into the equipment. Otherwise, the equipment may be damaged or fire. Do not spill liquid onto the surface of the equipment.

1.2 Precautions for Use

- Please read the user manual carefully before using the equipment and follow all the precautions on the user manual and the product.
- Avoid eye looked at the optical interface directly, so as to avoid the laser beam emitted by the interface damage the eyes. Please try to wear safety glasses to effectively protect your eyes from damage. It is best to plug in the fiber optic interface jacket when the optical interface is not in use .
- Turn off the power when the device is not in use
- Before plugging the power supply, make sure that the power switch is turned off to avoid surge. Be careful when unplugging the power supply and the transformer temperature may be high.
- To ensure safety, do not open the enclosure of the device, especially when the device is powered up.



-
- Unplug the power supply before cleaning the equipment. Use a soft dry cloth to clean the equipment to avoid the use of liquids or sprays.
 - Do not connect this product to any electronic product unless it is instructed by our customer engineer or your broadband supplier, as any incorrect connection may cause power or fire hazard.



2 Brief

The CR300 is a wireless router, support one wan port, four 100M lan port, double antennas integration to the 300M wireless access points, allows you to quickly set up a 300Mbps wireless network, and lets your computers can access to Internet. The wireless router is compatible with IEEE802.11b/g/n standard, have two external antenna which supports data rate up to 300 Mbps, with the characteristics of strong penetrating power and wide coverage, it provides users with more efficient data transmission protection.

2.1 Product Features

- A wan port and four lan port all support automatic negotiation and port automatic reverse
- 300M Wireless Router with two external antenna.
- Support NAT function
- Support IP bandwidth control, reasonable distribute network bandwidth
- Support WDS wireless bridge, easily extend wireless networks
- Support parents control function, can control time online and Internet content
- Supports PPPoE, Dynamic IP, Static IP access to internet
- Support DDNS, static routing Pass - through
- Provide DoS attack prevention, with functions of automatic isolation virus
- Support virtual servers, special application and DMZ host port forwarding, can be used in the construction of Intranet web sites
- Support SSID broadcasting control, support access control list based on the MAC address
- Built-in firewall, support IP, MAC, URL filtering, can be flexible to control Internet access and online time
- Built-in DHCP server, and can automatically and dynamically assigned IP address
- Support free software upgrade

2.2 Product Specifications

Working Temperature: 0 °C to 50 °C

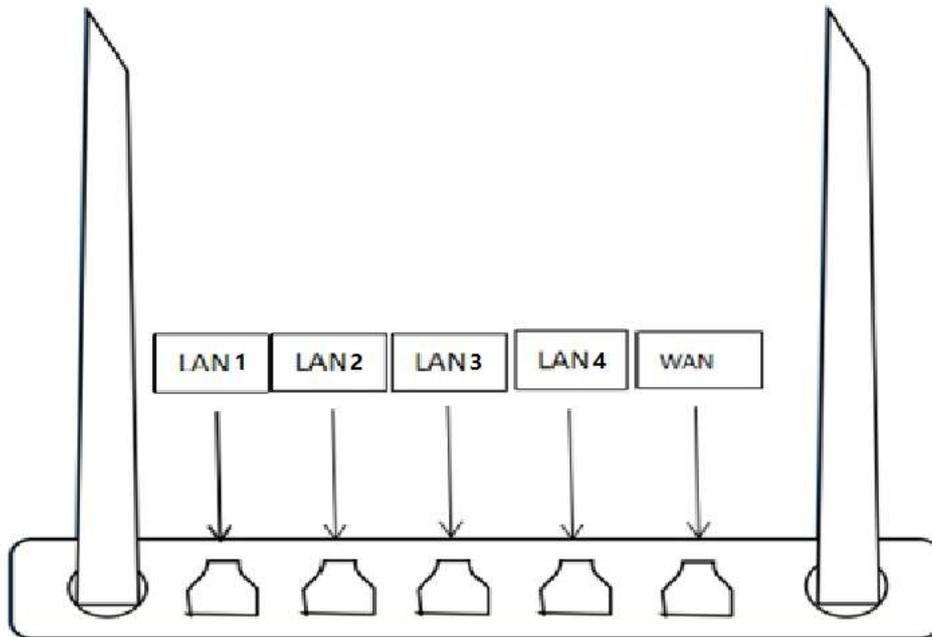
Storage Temperature: - 40 °C to 70 °C

Work Humidity: 10% to 90%RH does not condense

Storage Humidity: 5% to 90%RH does not condense

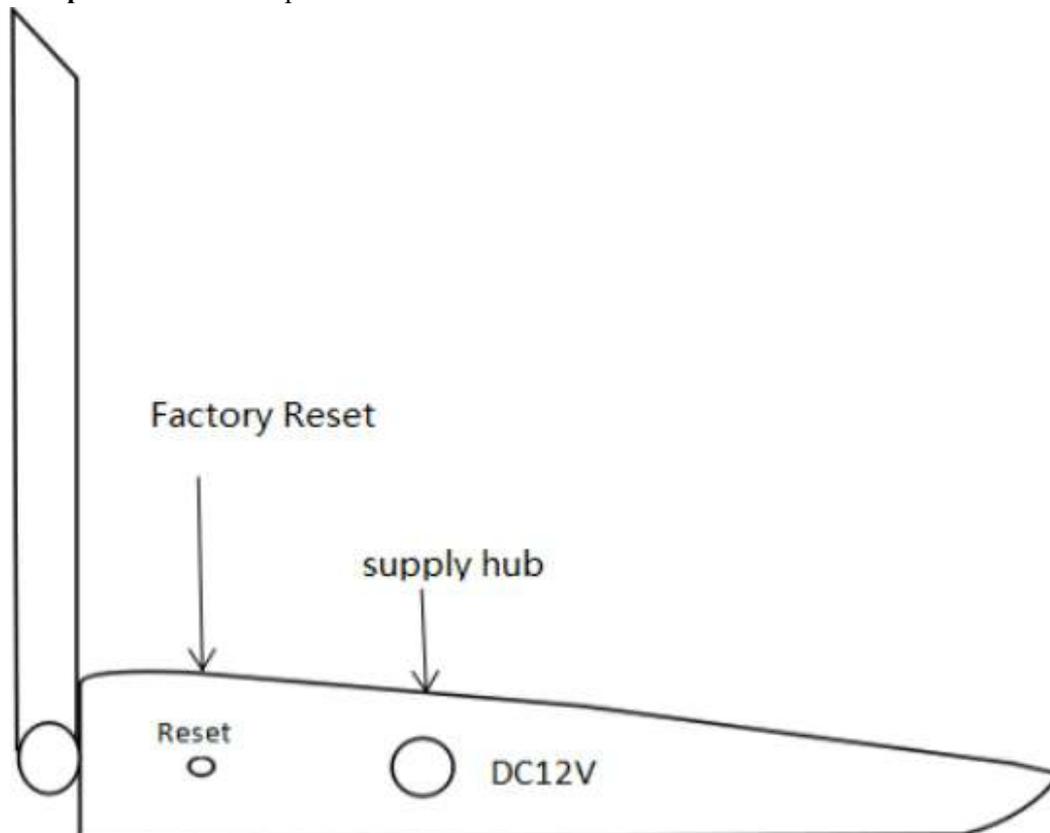
Power Adapter Input: DC12V/0.5A

2.3 Device Interface Definition



LAN port: connect computers and other terminal devices.

WAN port: connect the operators network .





2.4 LED Description

Indicator			Description
1	PWR	Power status	On: The WIFI router is power on; Off: The WIFI router is Power off;
2	WLAN	WLAN Status	Blinking: Have device connect to wifi On: Wi-Fi function Opens Off: Wi-Fi function Close
3	LANn	LAN port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;
4	WAN	WAN port status	On: Ethernet connection is normal; Blinking: Data is being transmitted through the Ethernet port; Off: Ethernet connection is not set up;

2.5 Device Connection

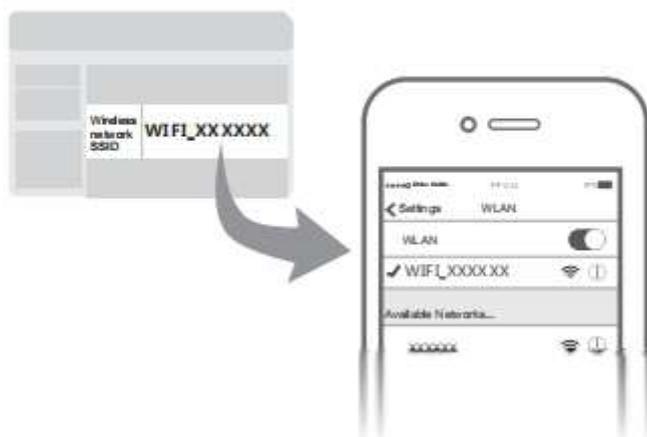
- Connect to the Internet: Connect RJ - 45 cable to router WAN interface panel.
- Connect cable: Connect router lan port to housvarious ehold devices with RJ - 45 cable.
- Connect the AC adapter: Plug the AC / DC adapter into the AC wall jack and the WIFI router 12V DC power jack.

3 WIFI Router Local Web Login Management

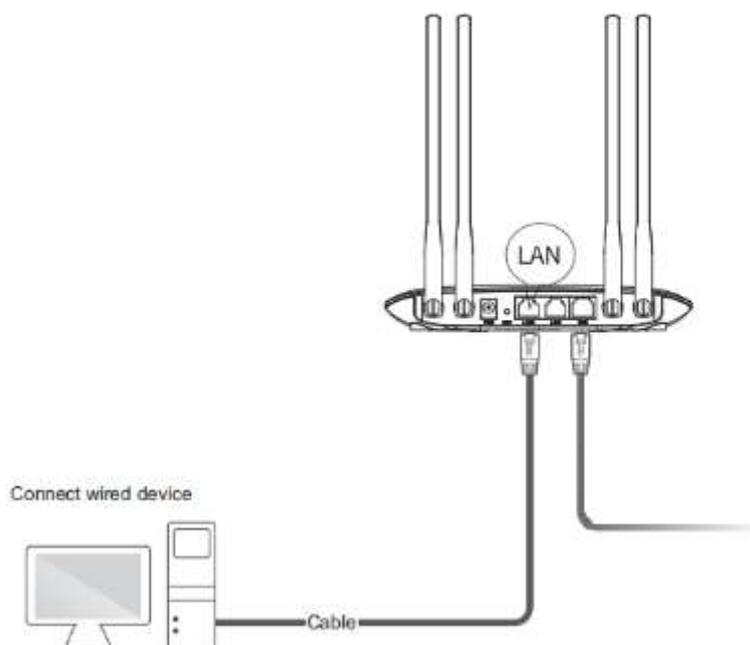
3.1 Physical Connection of WIFI Router And PC or Phone

a) Connect wireless devices such as mobile phones to the wireless network of the router. The default wireless network name can be viewed on the sticker on the bottom of the router.

Connect wireless device



b) Connect the computer to any LAN port of the router with a network cable.





3.2 PC and Phone Access the WEB of WIFI Router

Make sure computers and WIFI router connected in # 3.1, open PC Web browser (IE, firefox, Google), copy and paste the WIFI router to access the URL : <http://192.168.10.1>, then pop-up WIFI router prompt login page as follows:

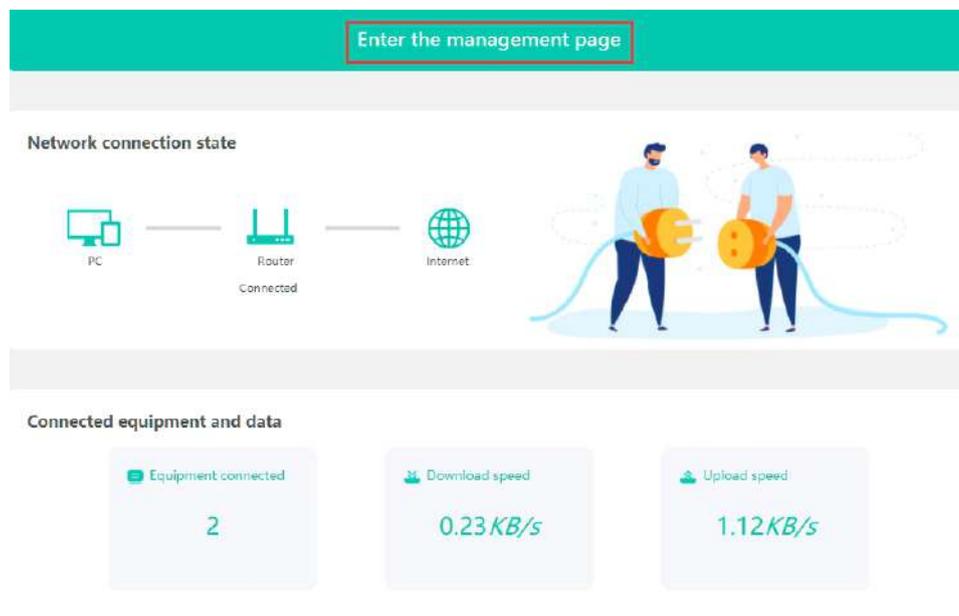
Welcome to use wifi router

.....

[Forget password?](#)

[Login](#)

Input WIFI router **PassWord: admin**, Click “**LogIn**” button. Then we can see setup guide as follows:



. Click **【Enter the management page】** to enter the main interface of the WIFI router, you can further set up the WIFI router, next we can see the set guide.

4 View WIFI Router Status

4.1 View WIFI Router System Status

1. Entry WIFI router web main interface, then click **Router** -> **System state**, then we can see WIFI router System time, firmware version and Running time:

The screenshot displays the router's web management interface. On the left is a teal sidebar with navigation options: Router status, Wizard setting, Internet setup, Wireless, Guest network, Parental controls, IPV6, and Advanced. The 'Router' option is highlighted with a red box and a red '1'. The main area shows a 'Management' grid with 12 tiles. The 'System state' tile is highlighted with a red box and a red '2', showing a 'Good' status. Below this, a 'System state' pop-up window is open, containing the following information:

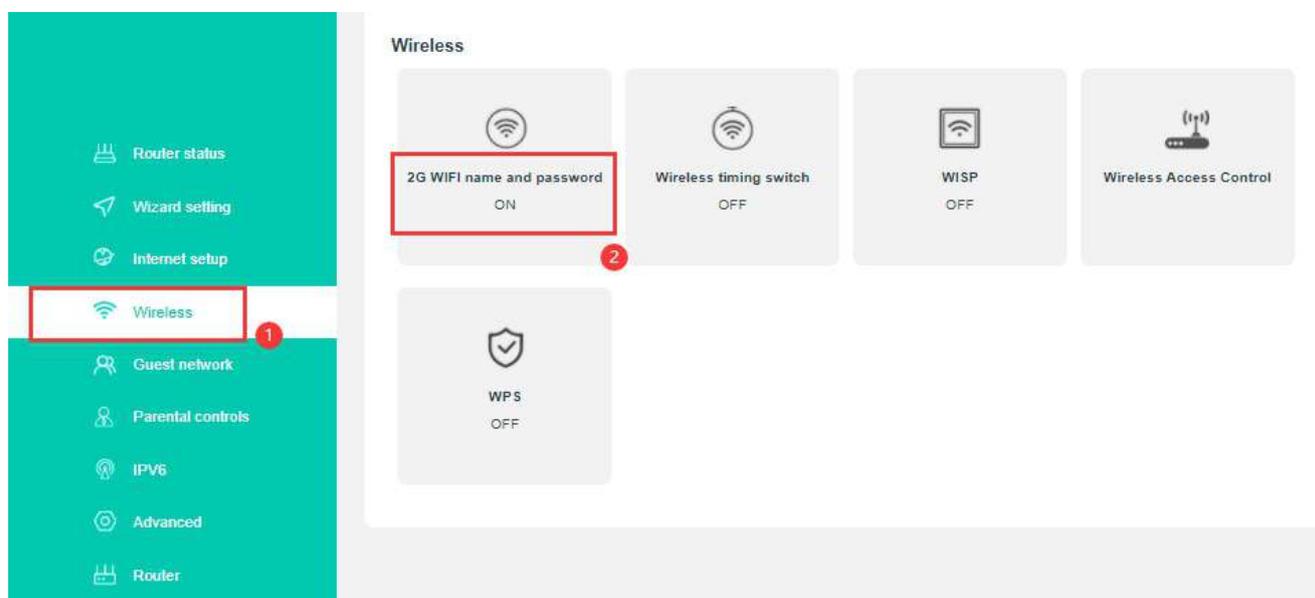
Base of message	
System time	2021/3/18 13:59:51
Running time	1Day3H18Min31S
Software version	V2.1.02_20200928

State Of WAN	
Mode	Dynamic IP
IP address	192.168.5.193
Mask	255.255.255.0
Gateway	192.168.5.1
DNS1	202.96.134.133
DNS2	114.114.114.114
MAC	6C:4D:51:00:06:BE

A 'Cancel' button is located at the bottom of the pop-up window.

4.2 View WIFI Router Wireless Information

1. Input WIFI router web main interface, then click **Wireless** -> **2G WIFI name and password**, then we can view WIFI mode, Channel and Bandwidth and etc:



2G WIFI name and password ✕

Switch

WI-FI	WiFi2	<input type="checkbox"/> Hide wireless
Password	123456789	
Country code	Default	▼
Channel	Automatic	▼
Signal	High	▼
Mode	802.11b/g/n	▼
Bandwidth	40/20MHz auto	▼

5 WIFI Router Internet WAN Configuration

For the WIFI router the internet access method is use routing mode,internet wan configuration is important things.WIFI router support 4 method internet access ways:PPPoE、Dynamic IP、Static IP、Bridge.

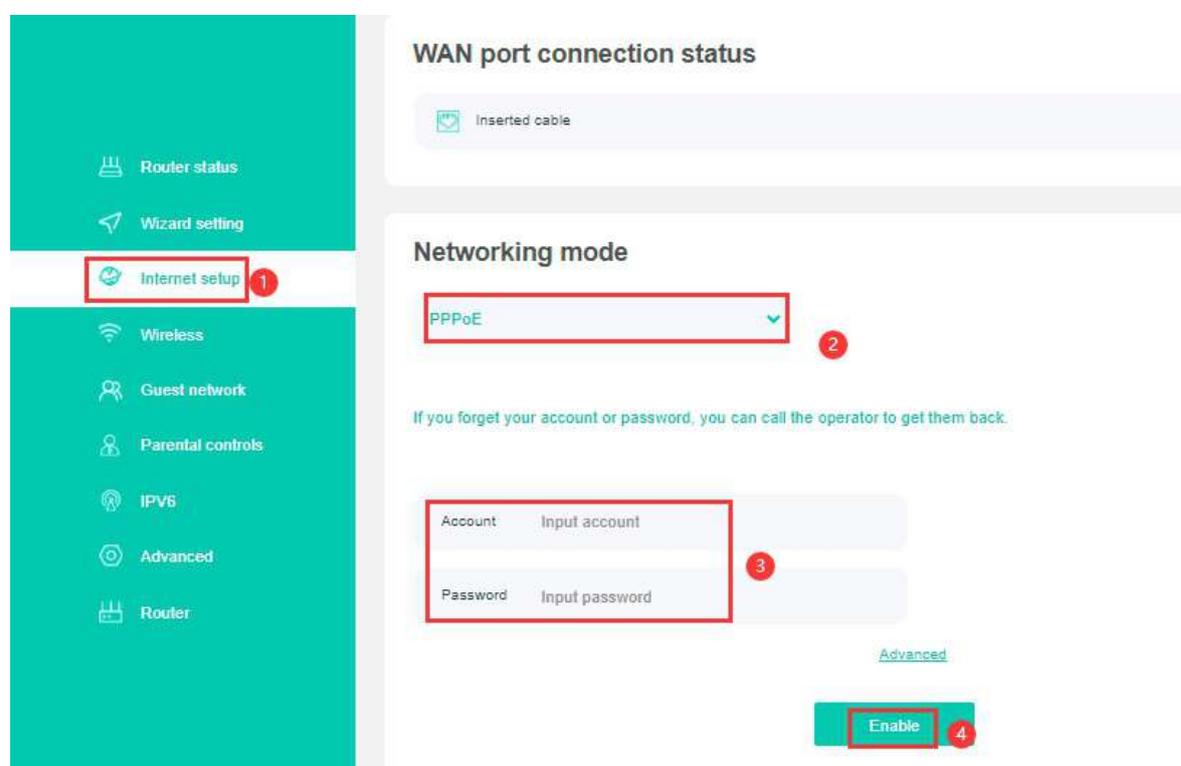
5.1 Set WIFI Router PPPoE Access Internet Method

Login WIFI router web main interface,then click “Internet setup”,then Select “PPPOE” in Networking mode,then setting wan as follows parameter:

【WAN Connection Mode】 Select ‘PPPOE’

【Account】 Input PPPOE account,the User Name provide by ISP

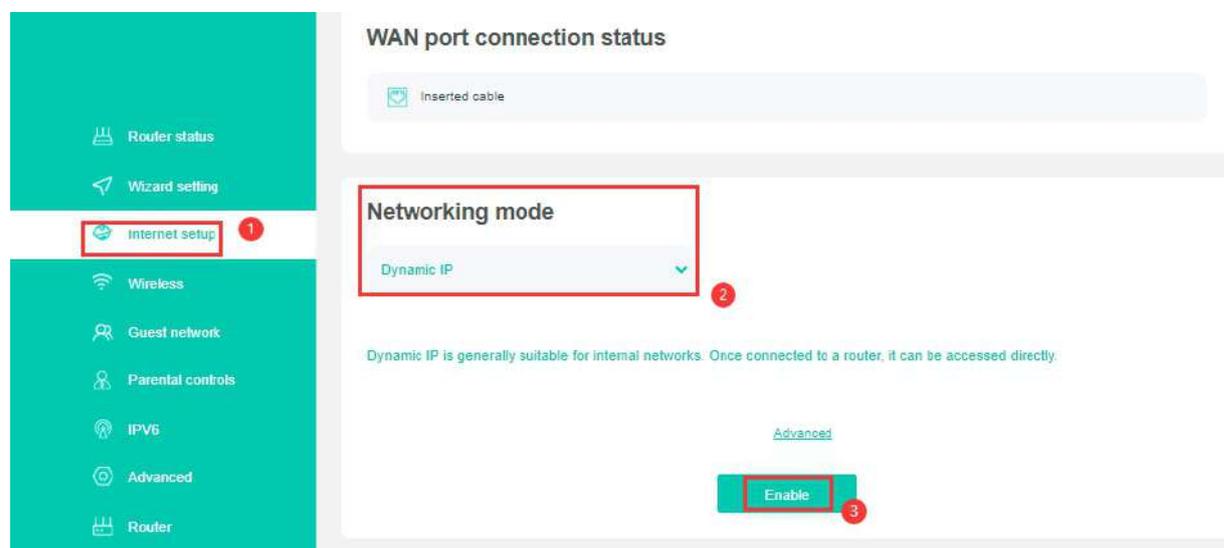
【Password】 Input PPPOE password,the Password provide by ISP



After finished all of the configuration,click ‘Enable’ button to finish “PPPOE” setting.

5.2 Set WIFI Router DHCP Access Internet Method

Login WIFI router web main interface, then click **“Internet setup”**, then Select **“Dynamic IP”** in Networking mode.



After finished all of the configuration, click **‘Enable’** button to finish **“DHCP”** setting.

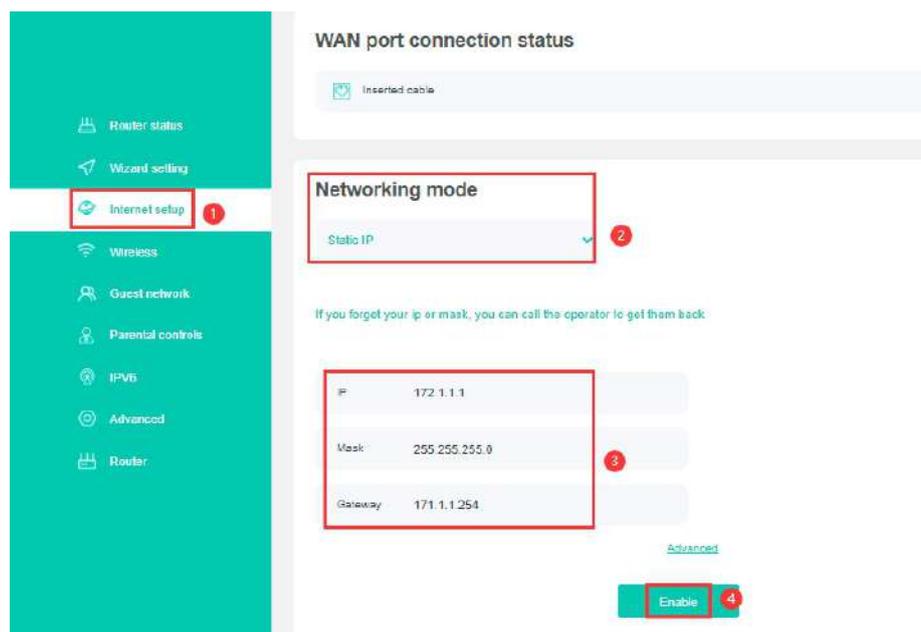
5.3 Set WIFI Router Static IP Address Access Internet Method

Login WIFI router web main interface, then click **“Internet setup”**, then Select **‘Static IP’** in Networking mode, then setting wan as follows parameter:

【IP】 Set static ip address for internet wan connection

【Mask】 Set subnet mask address for internet wan connection

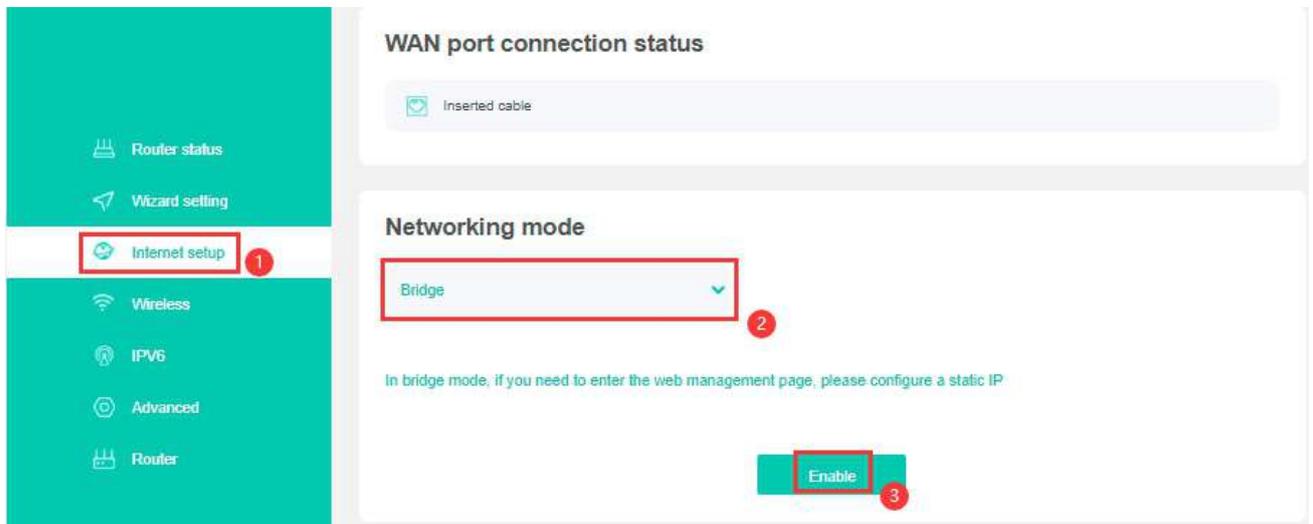
【Gateway】 Set default gateway for internet wan connection



After finished all of the configuration, click **‘Enable’** button to finish **“Static IP”** setting.

5.4 Set WIFI Router Bridge Address Access Internet Method

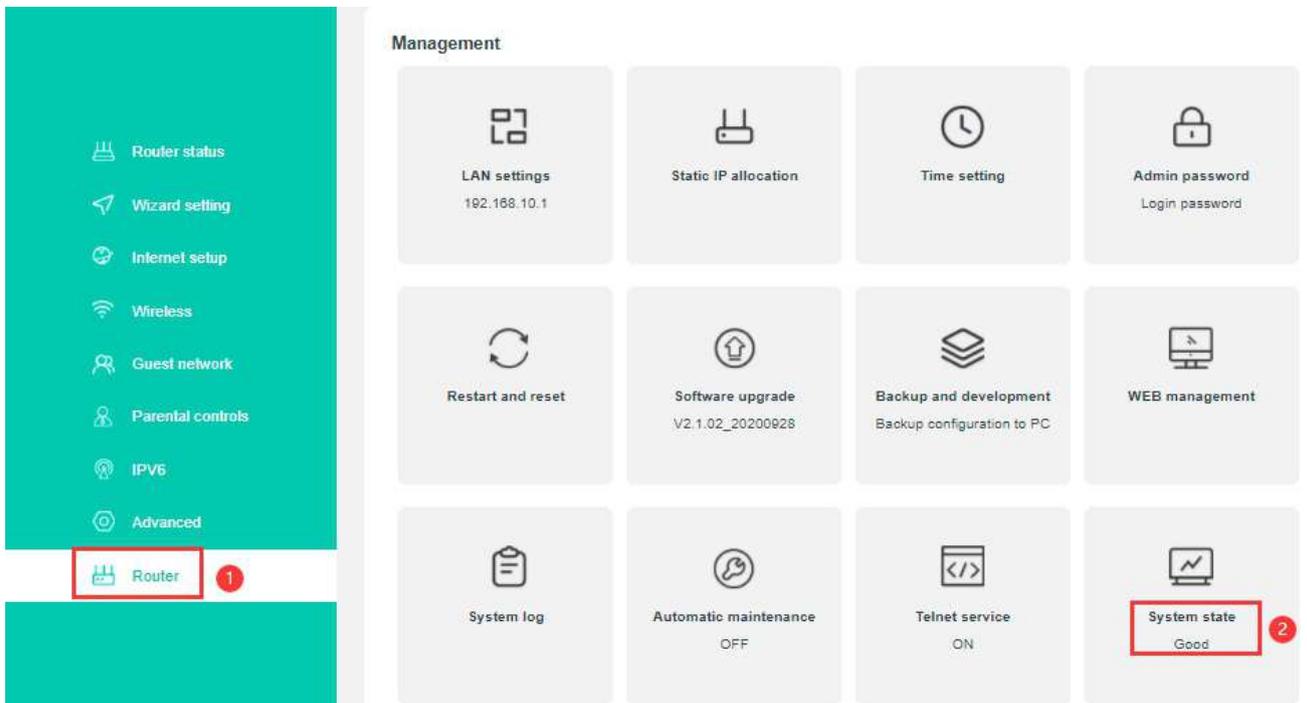
Login WIFI router web main interface, then click **“Internet setup”**, then Select **“Bridge”** in Networking mode.



After finished all of the configuration, click **“Enable”** button to finish **“Bridge”** setting.

5.5 View WIFI Router Internet WAN Connection Status

On WIFI router web main interface select **Router ->System state**, in this interface, we can check the WIFI router whether get ip, if wan connect is successful and ip address information .etc:



Base of message

System time 2021/3/17 09:46:44

Running time 19H2Min35S

Software version V2.1.02_20200928

State Of WAN

Mode	Dynamic IP
IP address	192.168.5.193
Mask	255.255.255.0
Gateway	192.168.5.1
DNS1	202.96.134.133
DNS2	114.114.114.114
MAC	6C:4D:51:00:06:BE

Cancel

6 WIFI Router LAN Port Configuration

6.1 LAN IP Address And DHCP Server Configuration

1. In WIFI router web main interface select **Router-> LAN Settings**, then config parameter as follows:

【 IP 】 Set local management IP address of WIFI router. The default IP address is 192.168.10.1

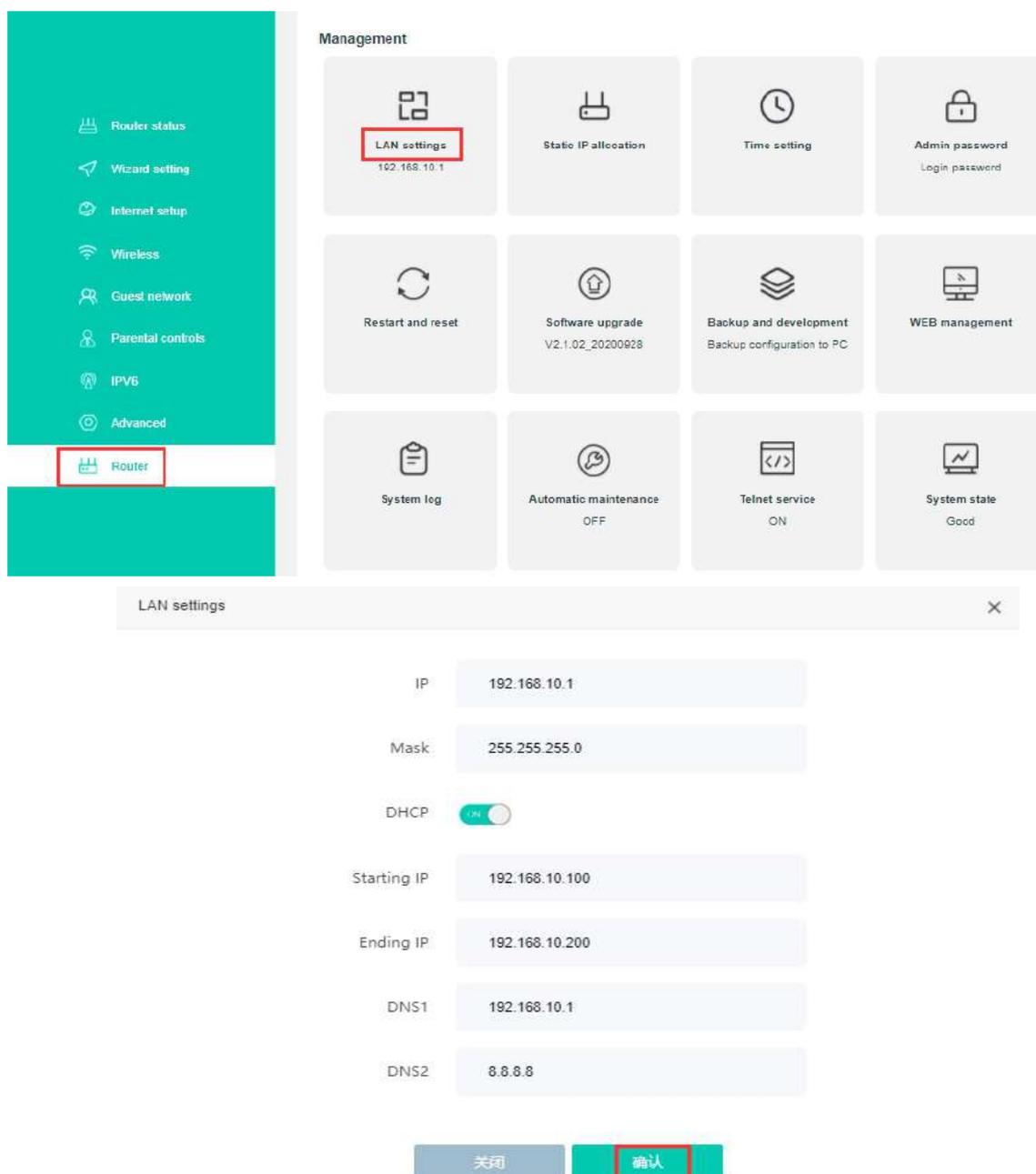
【mask】 Set the mask of local management IP address of WIFI router

【DHCP】 Click the button to enable or disable Router DHCP Server function.

【Start IP/ End IP 】 Configure the IP address interval that allocated to the terminal. The address interval must be on the same network segment as the management IP address of the Router.

【DNS1】 Set main DNS for internet wan connection

【DNS2】 Set second DNS for internet wan connection



After finished all of the configuration,click ‘confirm’ button to finish “LAN IP” setting.

7 WLAN Configuration

7.1 WLAN Basic Configuration

1. Login to WIFI router web main interface then click **Wireless->2G WIFI name and password** ,then config wireless as follows parameter:

Click the button next to switch to control the on and off of WIFI.

【Wifi】 Set the name of the WIFI; Check hide wifiless, then others cannot find this wifi;

【password】 Set WIFI password

【country code】 Select country;

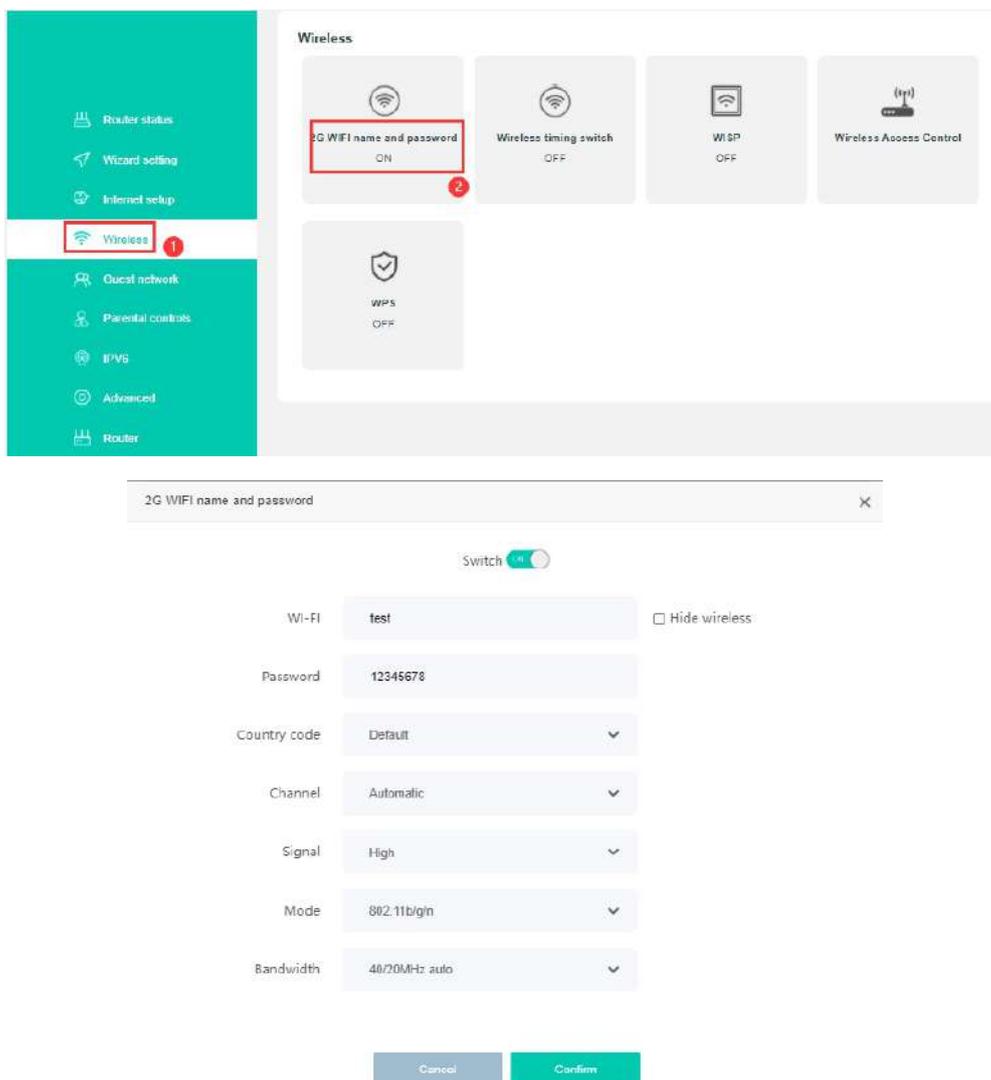
【Channel】 Default is Auto,we can select a suitable channel refer to surrounding wifi environment;

【signal】 Signal strength, there are three modes to choose;

【mode】 Four modes for selection,Usually choose 802.11.b/g/n;

【 Bandwidth 】 It is best to select 20MHz, because many PC don't support 40MHz ;

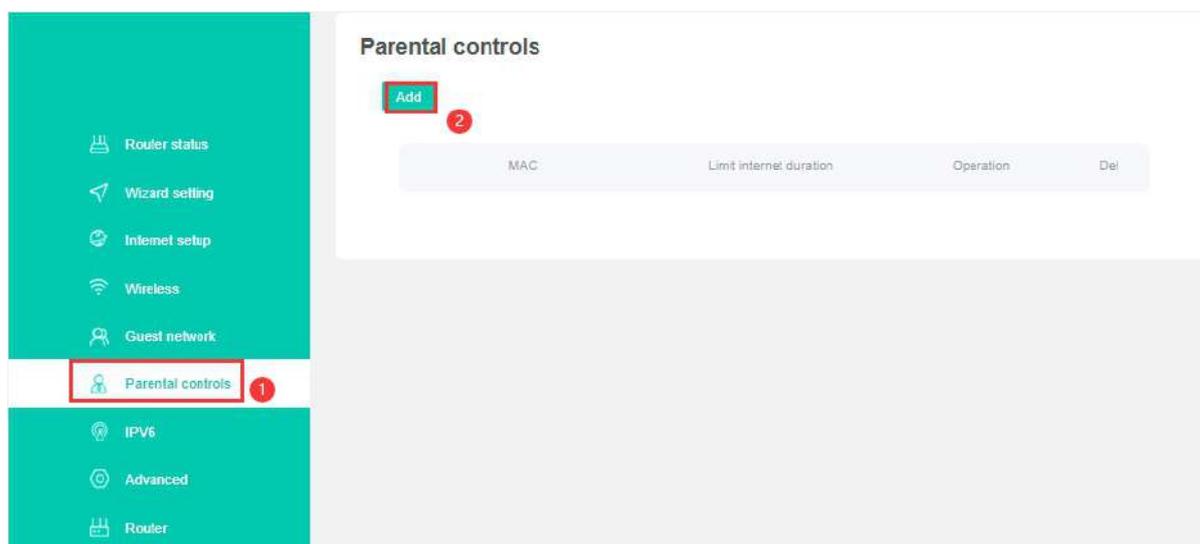
Sometimes, PCs can't connect to the WIFI if we select 40MHz or 20MHz/40MHz;



2. After setting wireless configuration, click 'Confirm' button to finish setting.

7.2 Config Parental Control Strategy

1. Login WIFI router web main interface, then click **Parental controls** -> **Add**, config rules “MAC” and “Limited Time” and “Repeat”:

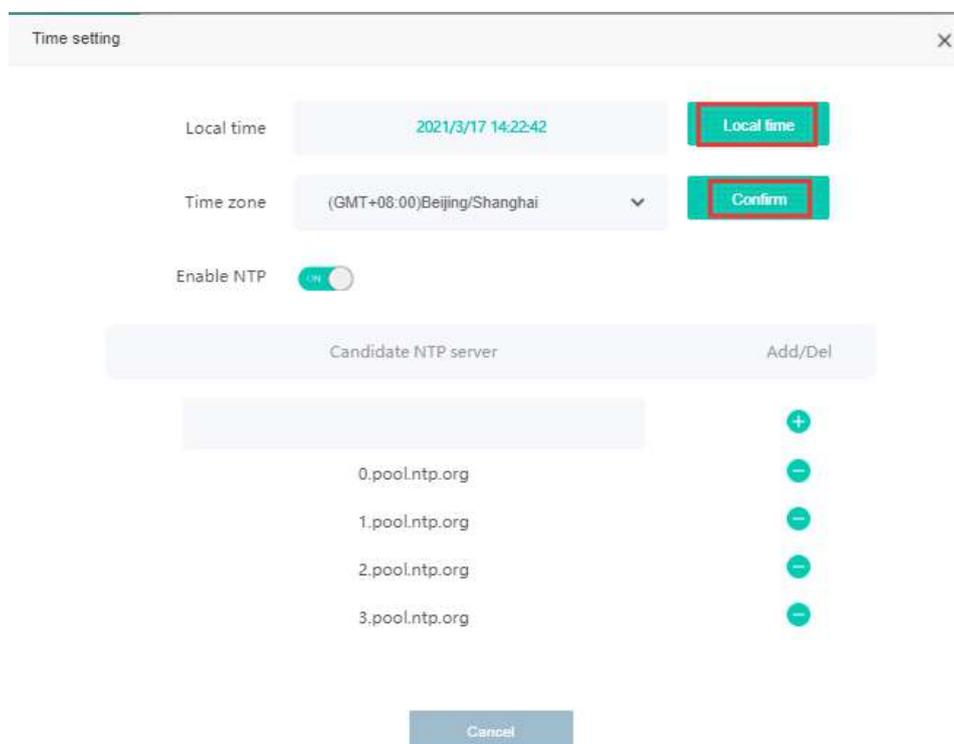
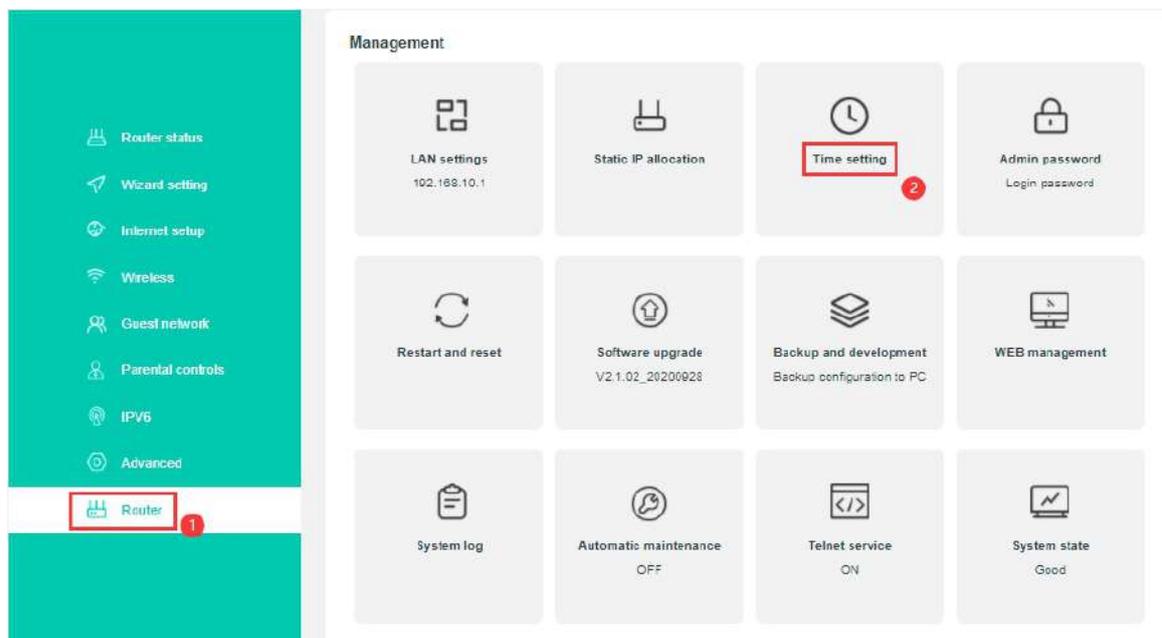


Click “**Confirm**” button to make configuration effect.

8 WIFI Router Management

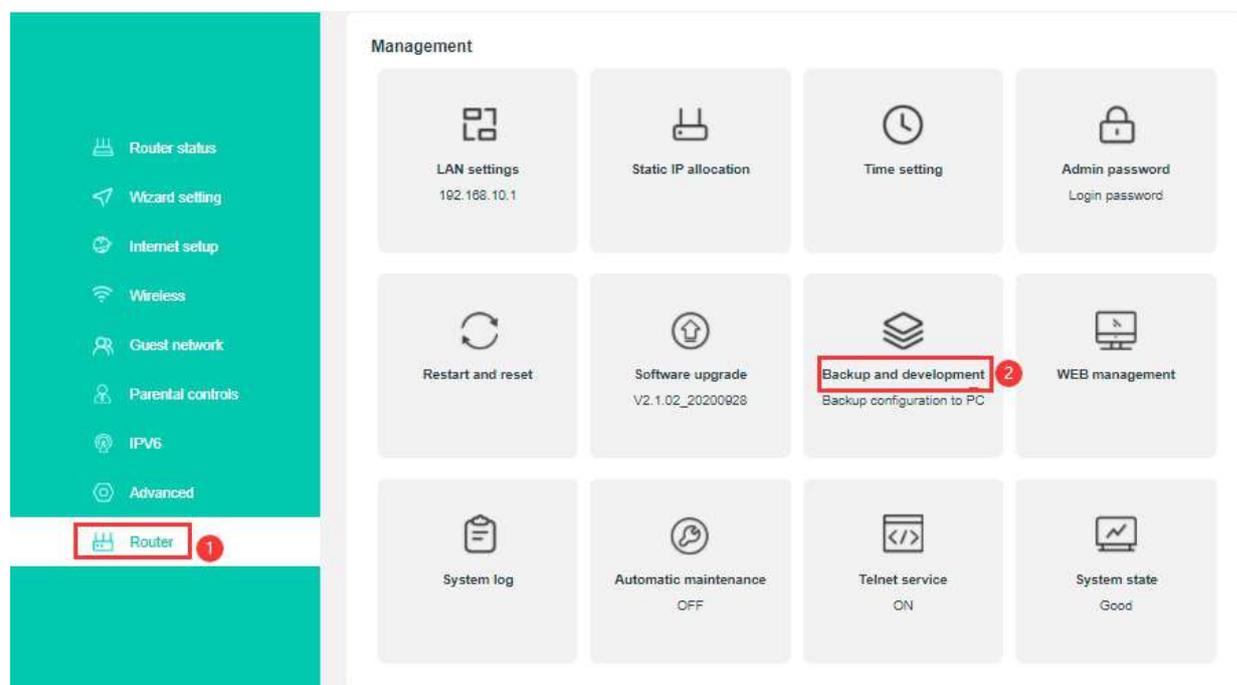
8.1 Time Zone Config

Login WIFI router web main interface,click **Router** -> **Time Setting**,in this interface,we can config “local time” and “select time zone”:

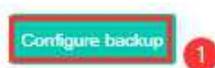
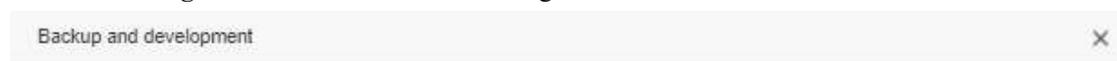


8.2 Backup And Restore Configuration Files

Login WIFI router web main interface,click **Router**-> **Backup and development**,then we can config WIFI router as follows:



1. Click “**configure backup**”button to save the system configuration locally.
- 2.Choose WIFI Router backup File to restore.
- 3 .Click“**Configuration**” button to make configuration effect.



Click the button to save the system configuration locally



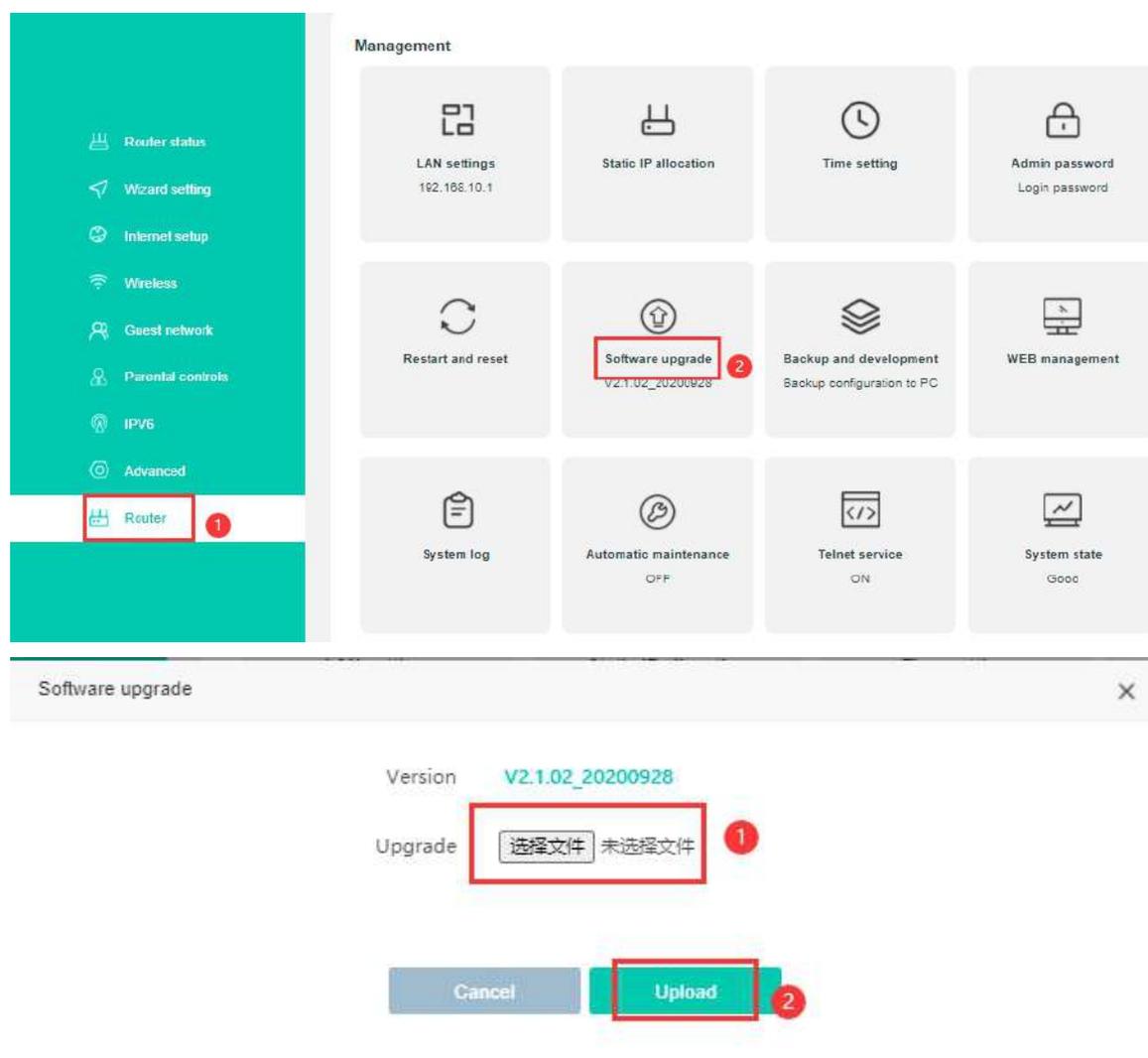
Click the button to select the backed up profile to restore the system configuration
Please restart the router after recovery



8.3 Firmware Upgrade

Login WIFI router web main interface,click **Router-> Software upgrade** ,then click **“Choose file”** button,then click **“Upload”** button to ungrade firemware:

Upgrade WIFI router need about four minuters,then WIFI router will auto reboot,don't need reboot manually.



8.4 Reboot And Restore Default Settings WIFI Router

Login WIFI router web main interface,click **Router -> Restart and reset**

【Reset】 Click **“Reset”** button to reset WIFI router

【reboot】 Click **“reboot”** button to reboot WIFI router.

Management

 LAN settings 192.168.10.1	 Static IP allocation	 Time setting	 Admin password Login password
 Restart and reset	 Software upgrade V2.1.02_20200928	 Backup and development Backup configuration to PC	 WEB management
 System log	 Automatic maintenance OFF	 Telnet service ON	 System state Good

Restart and reset ✕

Reboot router

Factory reset

8.5 Config WIFI Router Login Password

Login WIFI router web main interface,click **Router** -> **Admin password** login password:

The screenshot shows the router's web management interface. On the left is a teal sidebar with navigation options: Router status, Wizard setting, Internet setup, Wireless, Guest network, Parental controls, IPV6, and Advanced. The 'Router' option is highlighted with a red box and a '1' badge. The main area is titled 'Management' and contains a grid of 12 tiles. The 'Admin password' tile is highlighted with a red box and a '2' badge. Below this is a dialog box titled 'Admin password' with a close button (X). The dialog contains three input fields: 'Old' (containing 'admin'), 'New' (containing 'admin'), and 'Confirm' (containing 'admin'). The 'Old' field is highlighted with a red box. At the bottom of the dialog are two buttons: 'Cancel' and 'Confirm', with the 'Confirm' button highlighted with a red box.

Finish config,click “**confirm**”button to make config effect.

Note :After change the WIFI router login password,we need input new password login WIFI router web interface again.

Concluding Remarks

Thanks for using products of Shenzhen Ceres Technology Co., Ltd.

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