1. Overview

Thank you for choosing smart home terminal products, this manual is intended to guide you to understand the functions and characteristics of the router and complete the basic operation; Enjoy your high-speed and convenient Internet access.

The pictures on the instruction manual are for illustrative purposes only. The company reserves the right to improve the products described in this manual, and the specifications are subject to change without notice, and the actual product shall prevail.

2. Package contains:

Router *1   Net cable *1   Power adapter *1   QIG *1

Item name	quantity
Router host	1
Power adapter	1
Cable	1
Product Manual	1

3. Indicator light description

Solid green light: Normal function, Internet access

Solid red light:

Primary route: Started, no external network

1. Please make sure that the broadband network port or modem is not damaged and reconnect to the external network

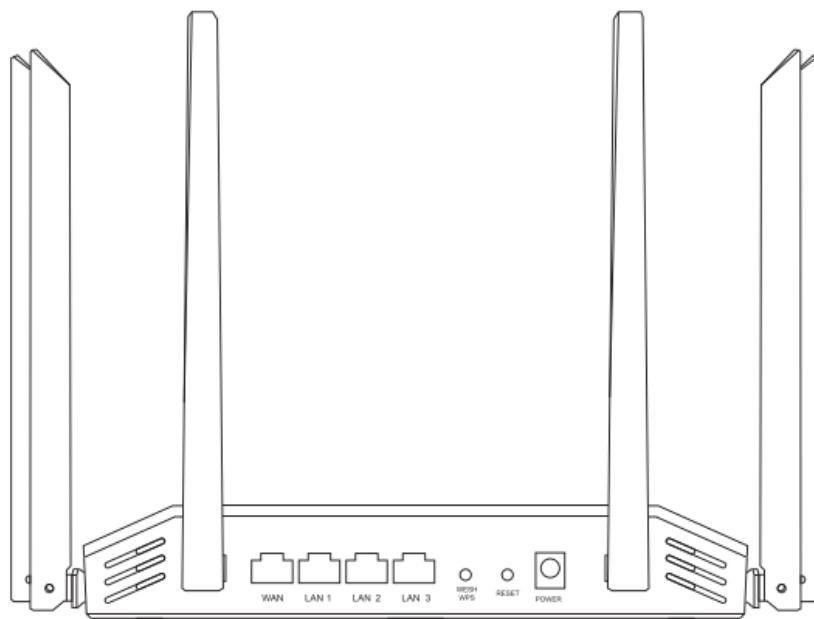2. Please make sure that the Internet settings are correct

3. Contact the operator to confirm whether there is a fault in the network

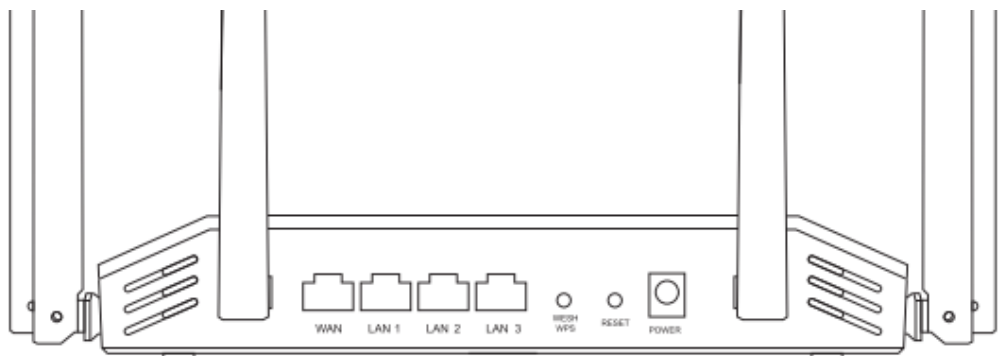Subroute: After the startup is complete, the networking is pending or the networking fails

Solid blue: The router system is booting

Flashing red light: Factory reset (do not power off)

BLUE FLASHING: MESH NETWORKING OR WPS CONNECTION

4. Interface/button description

| interface	illustrate
MESH/WPS button	Press 1-3s to start MESH networking
	After turning off the MESH function, press briefly for 1-3 seconds to start WPS
RESET button	Press and hold the device RESET for more than 5s
WAN port	Used to connect to the Internet
LAN1~3 ports	Used to connect wired devices

5. Go online with a home gateway

*Before setting up, make sure that your home broadband device is successfully connected to the Internet.

The router's default wireless network information can be viewed on its **bottom shell sticker**.

Step 1: Connect the power adapter in the box to the router's power LED indicator blue light is solid.

Step 2: Connect the external network port of the router to the LAN port of the

home gateway with a network cable.

Step 3: Connect wireless devices such as mobile phones to the wireless network of

the router, or connect the computer to any network port of the router with a
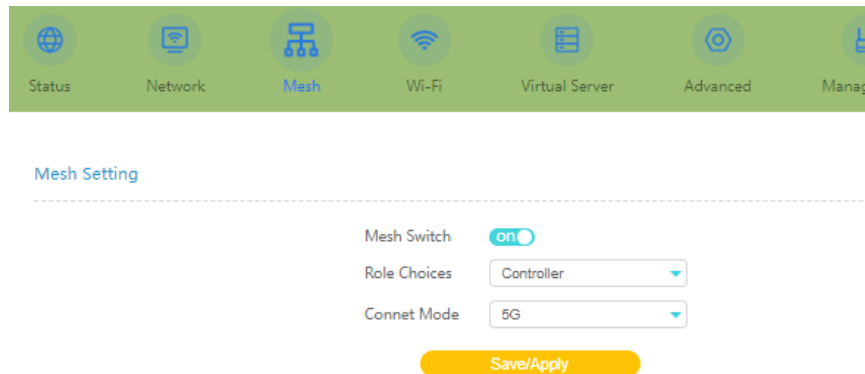
network cable.
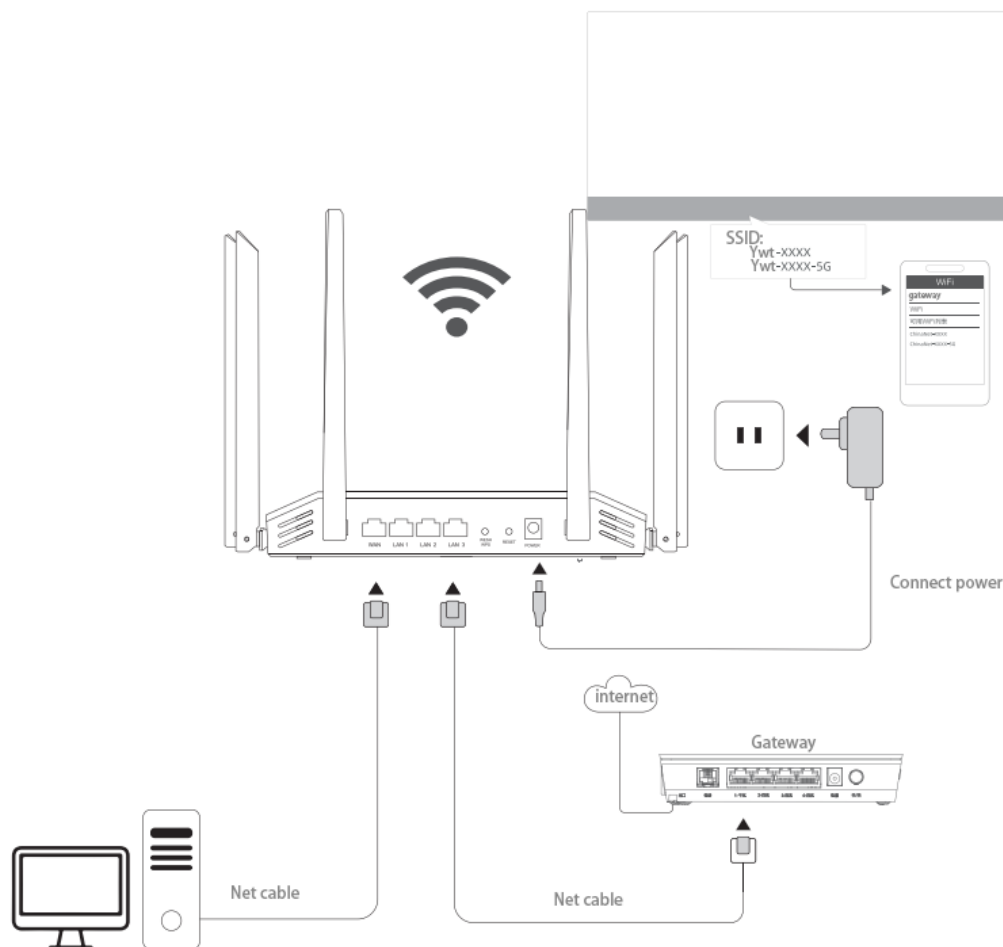
6. Mesh networking

6.1 **Determine the master node**: the default of the router is Agent in the factory

state, first of all, we must determine the router that we can now access the Internet

as the Controller router, , the steps of 7.1 to complete the quick setting, The router

will be configured as a controller, or you can enter **login WEB** — > Mesh

— > **Role Choices — > Controller/Agent/b32>**Make modifications.


6.2. **Wired networking**: The new secondary router is powered on in the factory state by default, and after the LED indicator is turned on after startup, it is always red and on, and then the wired network cable is used to connect to the LAN port of the main node determined by 6.1 and the LAN port of the new secondary router respectively, and waitThe primary and secondary routers can complete the networking configuration synchronization in about 15s, at which time the SSID and Wi-Fi passwords of the two routers become consistent, and wireless clients can enjoy a seamless roaming experience between the two routers.

6.3 **Wireless networking**: The new secondary router is powered on in the factory state by default, and after the LED indicator is turned on to solid red, it is placed within 3 meters near the main node determined by 6.1, and then press the MESH/WPS buttons of it and the main route respectivelys-3s to the LED indicator blue flashing, then release the MESH/WPS key to start the pairing networking, when the new sub-routing LED indicator green light is always on, it

means that the networking is successful; At this time, the main route in the original

networking immediately stops flashing with the LED indicator and returns to the

original solid color, which becomes solid to indicate successful networking; At this

time, the SSID and Wi-Fi passwords of the two routers become the same, and

wireless clients can enjoy a seamless roaming experience between the two routers.

6.4 **The child node is disconnected from the network**: you need to press

the child node RESET button for 5~8s and release it to perform factory reset

operation;

*When the new route is not successfully networked for more than 2 minutes,

the LED indicator will no longer flash and return to the original solid color, and you

need to press the 1-~3s ad hoc network button again to enter the

MESH networking state

Connect power

internet
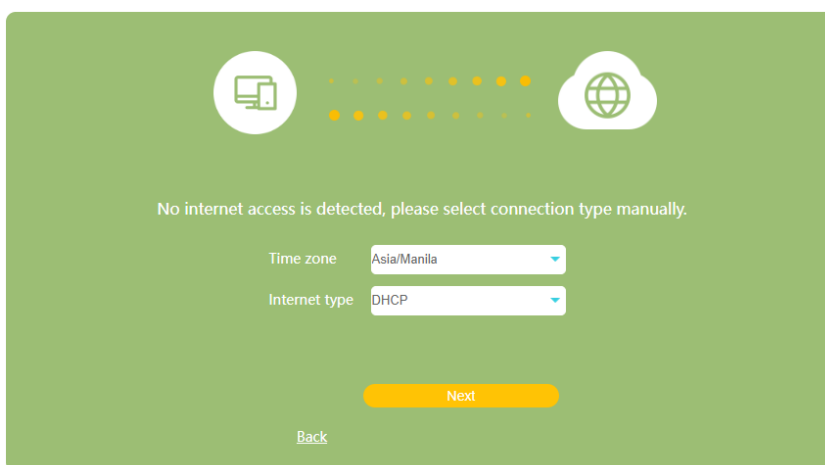
Gateway

Net cable

Net cable
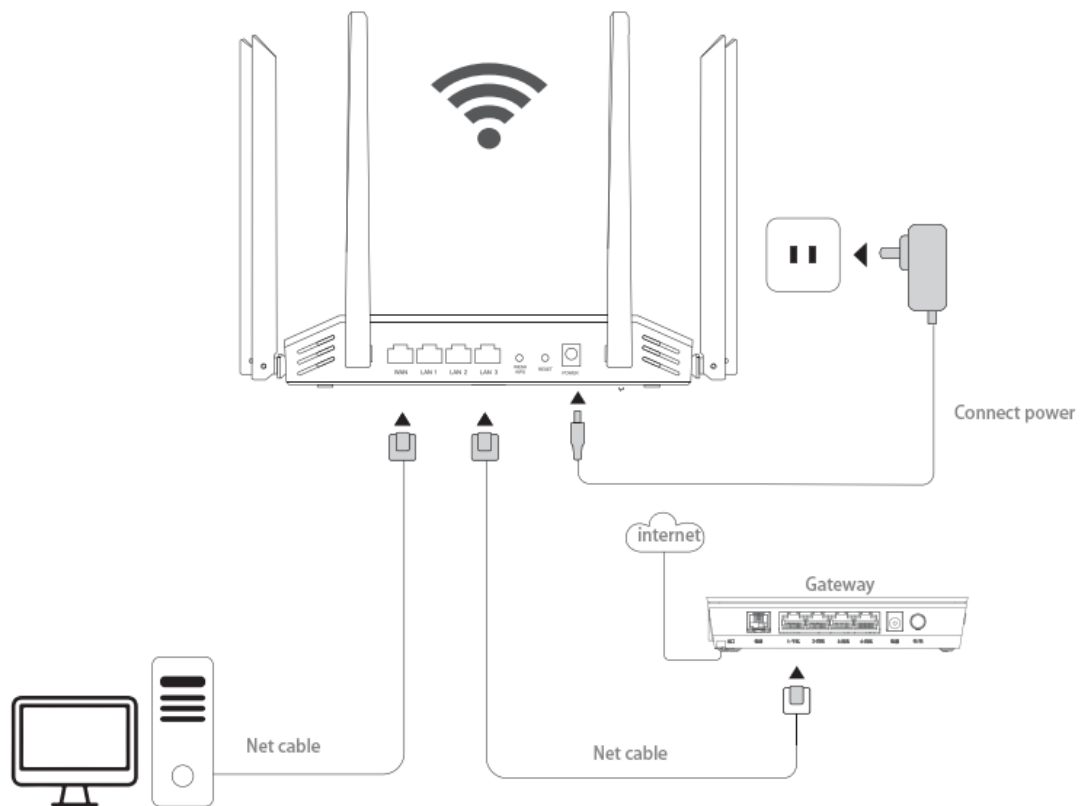
7. Manage the router

7.1. Managing Pages for the First Time

Step 1: Connect the computer to any network port of the router, the router will automatically detect the access mode of the superior, such as detection errors can be manually modified.

Step 2: Open a browser on the computer, access the management address of the router, the default is **192.168.2.1 or http://ywtwifi.com**, you can enter the management page, the first time you enter will jump to the quick settings page (not the first time to open will jump to the following login page).
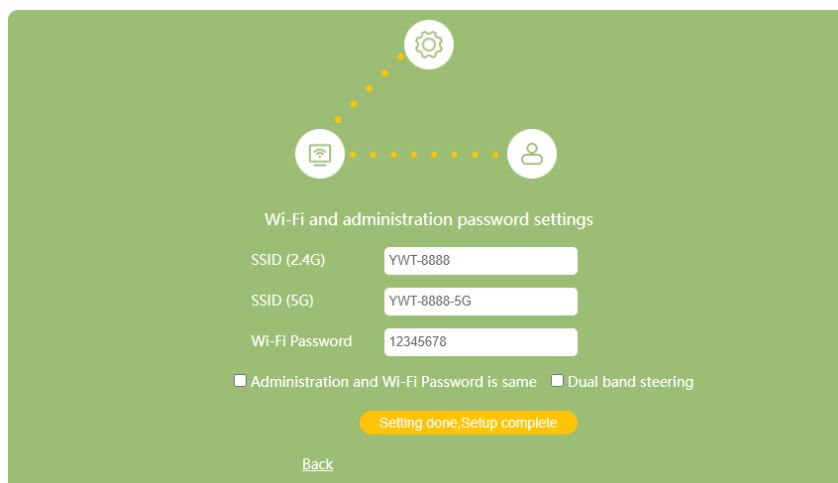
Step 3: If you need to enter the login username and password, the default login information can be viewed on the router **bottom shell sticker**.

Step 4: Start the quick setting, start to configure the **WAN port access mode**, please configure it in the way provided by your ISP (misconfiguration will not be able to go online), and click the **"Next"** button to configure wirelessly after the configuration is completed

Step 5: Start to configure wireless information and login password, configure **wireless SSID,** password, login password according to your preferences, if you forget the login password, you can only restore it through factory operation.

Step 6: Complete network access and wireless information configuration, click the "**Setting done, Setup** complete" button to complete all configurations, wait for all configurations to take effect in about 30s, and start enjoying the network.

2.4G SSID   : YWT-8888
5G SSID   : YWT-8888-5G
Wi-Fi Password : 12345678

The network configuration process takes about 25 seconds. Please wait...

2.4G SSID   : YWT-8888
5G SSID   : YWT-8888-5G
Wi-Fi Password : 12345678

Start surfing

Device management

Setting success, start surfing

7.2 Set up the router

After successfully logging in to the router management page, you can set up the router as needed, and the following is an example to modify the wireless name and wireless password.

Step 1: Tap **Wireless Settings**.

Step 2: **Modify the wireless name** and **wireless password** as needed.

Step 3: Click **OK** at the bottom of the page.

Ps：1.If the device you are using does not support Wi-Fi 6, you can manually turn on the backup Wi-Fi 5 network and associate the device with the Wi-Fi 6 network with the backup Wi-Fi 5 network

2. If you need to provide guests with wireless networks without allowing them to configure and manage, you can use the guest Wi-Fi network, and you can configure Wi-Fi on the wireless settings page.

2.4G Wi-Fi Settings
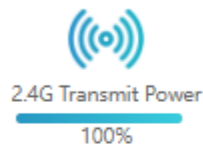
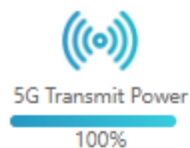|	
Wi-Fi Switch	on
Wireless Mode	b/g/n/ax ▼
SSID	YWT-8888 ☐ Hide SSID
Encryption	WPA2/WPA ▼
Wi-Fi Password	········ ⌇
Algorithm	AES ▼
Channel	Auto ▼
Bandwidth	20MHz ▼
Transmit Power	High Power Mode ▼

2.4G Transmit Power
100%

5G Wi-Fi Settings

Wi-Fi Switch	on
Wireless Mode	a/n/ac/ax ▼
SSID	YWT-8888-5G ☐ Hide SSID
Encryption	WPA2/WPA ▼
Wi-Fi Password	········ ⌇
Algorithm	AES ▼
Channel	Auto ▼
Bandwidth	80MHz ▼
Transmit Power	High Power Mode ▼

5G Transmit Power
100%

Second Wi-Fi 5

Wi-Fi Switch

Guest Wi-Fi

Guest Wi-Fi Switch

Save/Apply

Setup complete. You can connect to the wireless network you just set up to access

the Internet, or connect your computer to the gigabit Ethernet port of the router

with a network cable.

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.

FCC Warning

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.

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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Shenzhen Waterworld Information Co., Ltd.

Service hotline: 400-882-5299

9. FAQs

Q1: What should I do if I cannot log in to the router management page after accessing 192.168.2.1?

A: Please try the following methods to solve the problem

1. Make sure that the IP address of the currently used access device is 192.168.2.X, and you can ping 192.168.2.1

2. Enter the domain name of the router in) the browser address bar (not the search bar**) http://ywtwifi.com**.

3. If you set up the router with a wireless device such as a mobile phone, make sure that the router is successfully connected to Wi-Fi.

4. If you're setting up your router with your phone, make sure your data is turned off.

5. Restore the router to factory settings.

Q2: What should I do if my computer or mobile phone still can't access the Internet after setting?

A: Try the following method to solve it:

1.   Verify that the parent gateway has successfully connected to the Internet.

2. Make sure that the external WAN port of the router is connected to the Internet, and the LED light of the router is solid green.

3. Log in to the router's management page, check the network connection status, if not connected to the Internet, please enter the **Internet settings** page and follow the prompts on the page.

4. If you can't access the Internet after connecting to Wi-Fi, make sure you are connected to the correct wireless name.

5. If you have connected the correct wireless name but still cannot access the Internet, log in to the router wired to go to the wireless **settings** page, change the wireless name and wireless password, and reconnect to Wi-Fi.

6. If the computer connected to the router network port with a network cable cannot access the Internet, please make sure that the IP address of the computer is obtained automatically.

Q3: How do I factory reset the router?

A: Try any of the following methods to solve it:

Method 1: When the router LED light is long, press and hold the RESET button for about 5 seconds to release, when the indicator flashes, the router will be restored to factory settings.

Method 2: Log in to the router management page and enter the system management page settings.

Q4: Why can't I search for the Wi-Fi signal of my router?

A: Please log in to the router management page by wire, then go to **the wireless settings** page and try the following method to solve it:

1. Confirm whether it is within the coverage range of the router, the signal of the router is range, and the signal cannot be scanned beyond a certain distance.

2. Check whether the wireless network is turned on, if it is off, please turn on the wireless network and save. Search again with your phone.

3. Check whether the wireless name contains special non-English characters, and if so, set it to the wireless name without special characters.

4. Check whether the synchronization is the SSID of the uplink router, this router supports mesh networking, after networking, the subnodes will automatically synchronize to the SSID and password of the uplink master node router, if the synchronization is the SSID of the uplink router, you can directly use the Wi-Fi of the uplink router/b24>Password access.

Q5: Why can't the phone search for the router's 5GHz Wi-Fi signal?

A：1. Only devices compatible with 5GHz networks can search for 5GHz wireless network names.

2. If the mobile phone can search for other 5GHz wireless networks, please refer to Q4 to solve the problem.

3. Confirm whether the dual-band all-in-one function is enabled, and the SSID of 5G will be modified to be consistent with 2.4G after this function is enabled

4. Log in to the management program to check the wireless settings and confirm whether to turn off the 5G Wi-Fi signal

5. Check whether the synchronization is the SSID of the uplink router, this router supports mesh networking, and the subnodes will automatically synchronize the SSID and password of the uplink master node router after networking, if the synchronization is the SSID of the uplink router, you can directly use the Wi-Fi of the uplink router/b24>Password access to 5G network.

Q6: Why can't the phone search for 2.4GWi-Fi signal?

A：1. Check whether the synchronization is the SSID of the uplink router, this router supports mesh networking, after networking, the subnodes will automatically synchronize to the SSID and password of the uplink master node router, if the synchronization is the SSID of the uplink router, you can directly use the Wi-Fi password of the uplink router to access 2.4G/b26>Internet.

2. Log in to the management program to check the wireless settings and confirm whether to turn off the 5G Wi-Fi signal

Toxic and hazardous substance declaration form

Part name	Toxic and harmful substances or elements					
	Lead (Pb) .	Mercury (Hg) .	Cadmium (Cd) .	Hexavalent chromium (Cr(VI)	PBB	PBDE
Structural parts	○	○	○	○	○	○
Single board/circuit module	×	○	○	○	○	○
Power adapter	×	○	○	○	○	○
Cable	○	○	○	○	○	○
annex	○	○	○	○	○	○

This form has been prepared in accordance with SJ/T 11364

○ indicates that the content of the hazardous substance in all homogeneous

materials of the part is below the limit requirements specified in GB/T26572.

× indicates that the content of the hazardous substance in at least one of the homogeneous materials of the component exceeds the limit requirements specified in GB/T26572.

The appearance parts of this product are made of non-toxic and harmless green environmental protection materials, and the non-environmental protection substances or elements contained in them can not be completely replaced by non-environmental protection substances or elements due to global technology and process level restrictions, but the content of non-environmental protection substances in this product is extremely small, long-term use will not cause harm to the human body, please use with confidence.

*The radio transmitting equipment type approval code is printed on the nameplate of the product shell body, and can be viewed on the surface of the prototype when unpacked and packaged

*Device name: Router

Warranty card

Dear Users,

Thank you for using our productsIn order to ensure that you receive high-quality service, we make the following service commitments to you:

1. Warranty period

Within 1 year from the date of your purchase of this product (subject to the date of the official purchase invoice) your product can enjoy free maintenance if it has a performance failure listed in the "National Three Guarantees Policy".

2. Warranty certificate

The purchase invoice and this card will be used as the warranty certificate of the product.

Note: This card should be filled in completely and accurately and stamped with the seller's seal; The valid invoice shall indicate the host body number, product model, date of sale, seller's seal, amount, etc.

3. Those who fall under the following circumstances will no longer enjoy the "three guarantees"

1. This product has exceeded the validity period of three guarantees.

2. Damage caused by failure to use, maintain and store in accordance with the requirements of the manual.

3. The user opens the casing by himself to operate and modify the damage.

4. No warranty card and valid invoice.

5. The number in the product certificate does not match or is altered with the maintenance product number.

6. Damage caused by force majeure (including accidents, power)

7. Reasonable and normal consumption or damage (such as natural wear and tear, wear, aging, etc. of shells, buttons, insertion parts, etc)

8. Failure and damage caused by the use of pirated or other illegally authorized software.

9. Network and wireless information services require support from relevant operation service providers, please contact your local service provider for details. Our company does not assume the responsibility of three guarantees for failures caused by network, wireless information service providers, etc.

Note: For the case of not being able to enjoy the "three guarantees", our company will charge a certain fee according to the standard.

After-sales service card

Product name, model

Numbering:

User Name:

Contact:

Address:

Phone:

Fax:

Zip:

Maintenance Records:

date	Symptom	Repairman

Manufacturer:

Service Hotline:

Product certificateQ.C.Passed

Date of manufacture: : _____

Finished product manual

Device name: Router

Device model: AX3000 FCC ID: 2BAII-AX3000