VONETS Series Product Manual

Declaration

Form 1

Class A: Professional WiFi Repeater + bridge Series Product				
Model	Power Supply Parameters	Point to point Transmission distance	Transmission Rate（Mbps）	Frequency
VAP11G-300	DC5V-15V/500mA	80m--100m	300	2.4G
VAP11N-300	DC5V-15V/500mA	50m--80m	300	2.4G
MINI300	DC5V/500mA	50m--80m	300	2.4G
VRP300	AC110V-240V	50m--80m	300	2.4G
VRP300 PLUS	AC110V-240V	50m--80m	300	2.4G
VRP5G (Dual Band)	AC110V-240V	50m--80m	300+450	2.4G/5G
VAP11G-500 (High power)	DC5.5V--15V/2A	300m--500m	300	2.4G
VAP11G-1000(High power)	DC5.5V--15V/2A	800m-1000m	300	2.4G
VAP11G-2000(High power)	DC5.5V--15V/3A	1500m--2000m	300	2.4G
Class B: WiFi Router + Repeater + Bridge Series Product				
VAR11N-300	DC5V/500mA	50m--80m	300	2.4G

VHA300(Module)	DC5V-15V/500mA	50m--80m	300	2.4G
WIFI-ROOM	AC110V/240V	50m--80m	300	2.4G
VAR5G (POE power supply)	DC5V/3A or POE	500m--800m	300+450	2.4G/5G
VM300(Module)	DC5V-15V/500mA	80m--100m	300	2.4G
Class C: Professional Portable Router				
VAR11N -PLUS (Router)	DC5V/500mA	50m--80m	300	2.4G

VONETS Product Application

1. **WiFi Repeater+bridge:** It is mainly used for WiFi signal transfer connection and regional coverage, so as to achieve the family, office, public wireless network operation.
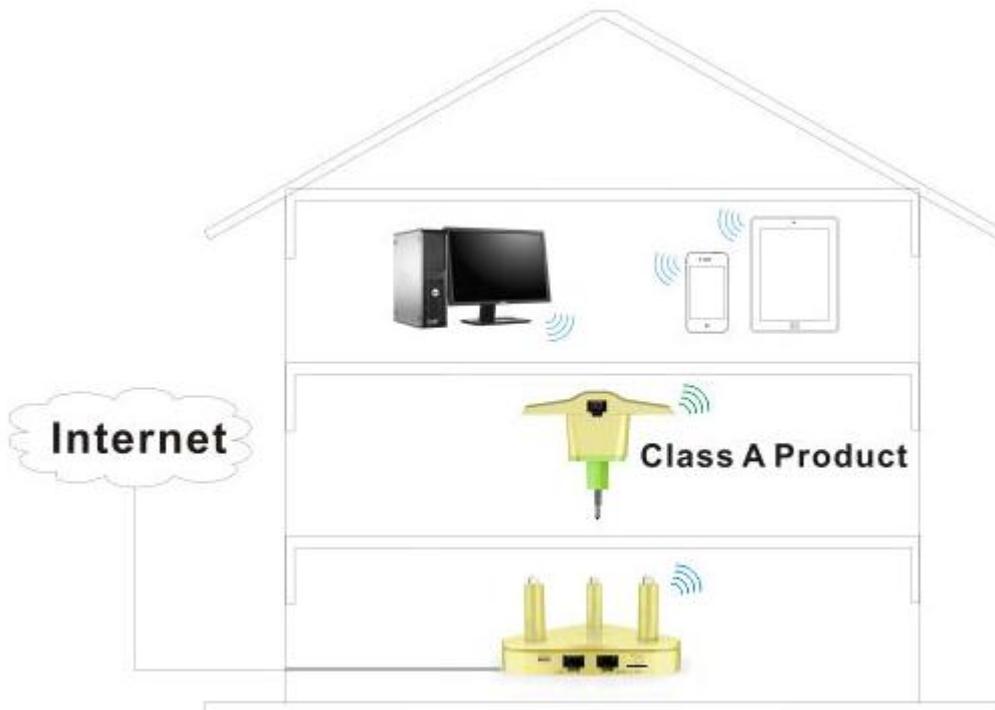
2. **Router Mode:** It is used as WiFi Router, connect to Internet by Modem or Broadband access line.

VONETS Class A: (WiFi Repeater + bridge) Series Product Setting Guide
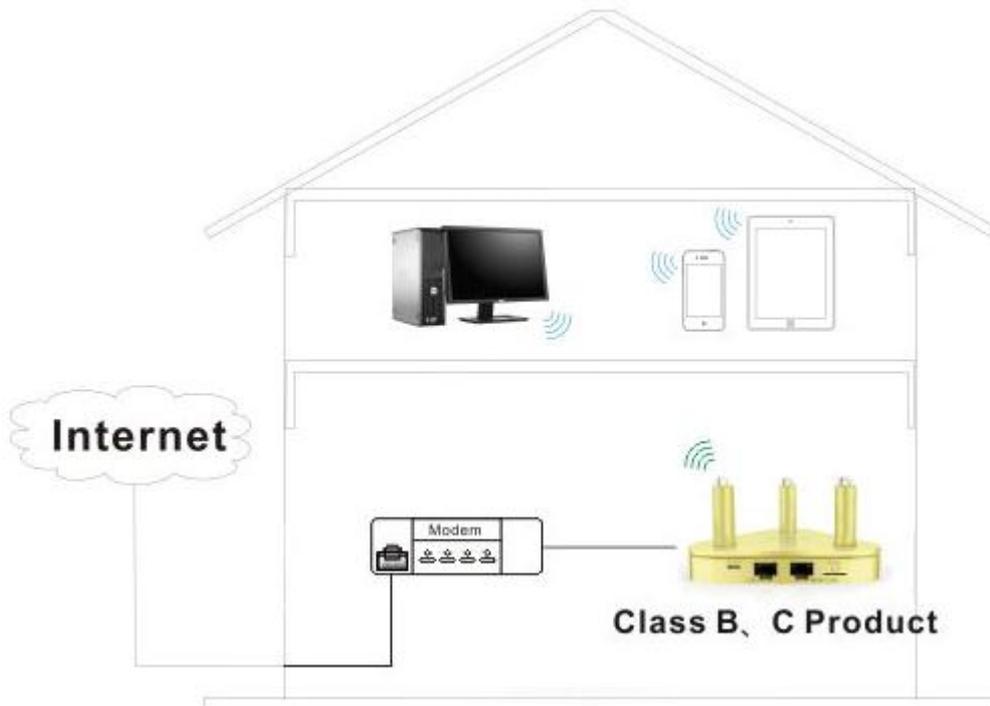
Step1. Connect -- There are two methods to connect when configured.

Method 1. -- Connect WiFi bridge LAN port to PC by Ethernet cable, see the 2 drawing below:

Class A : Repeater/Bridge product series

Class A : Repeater/Bridge product series

USB or DC2.0 parallel power supply interface, USB and DC can not be supplied at the same time

DC2.0
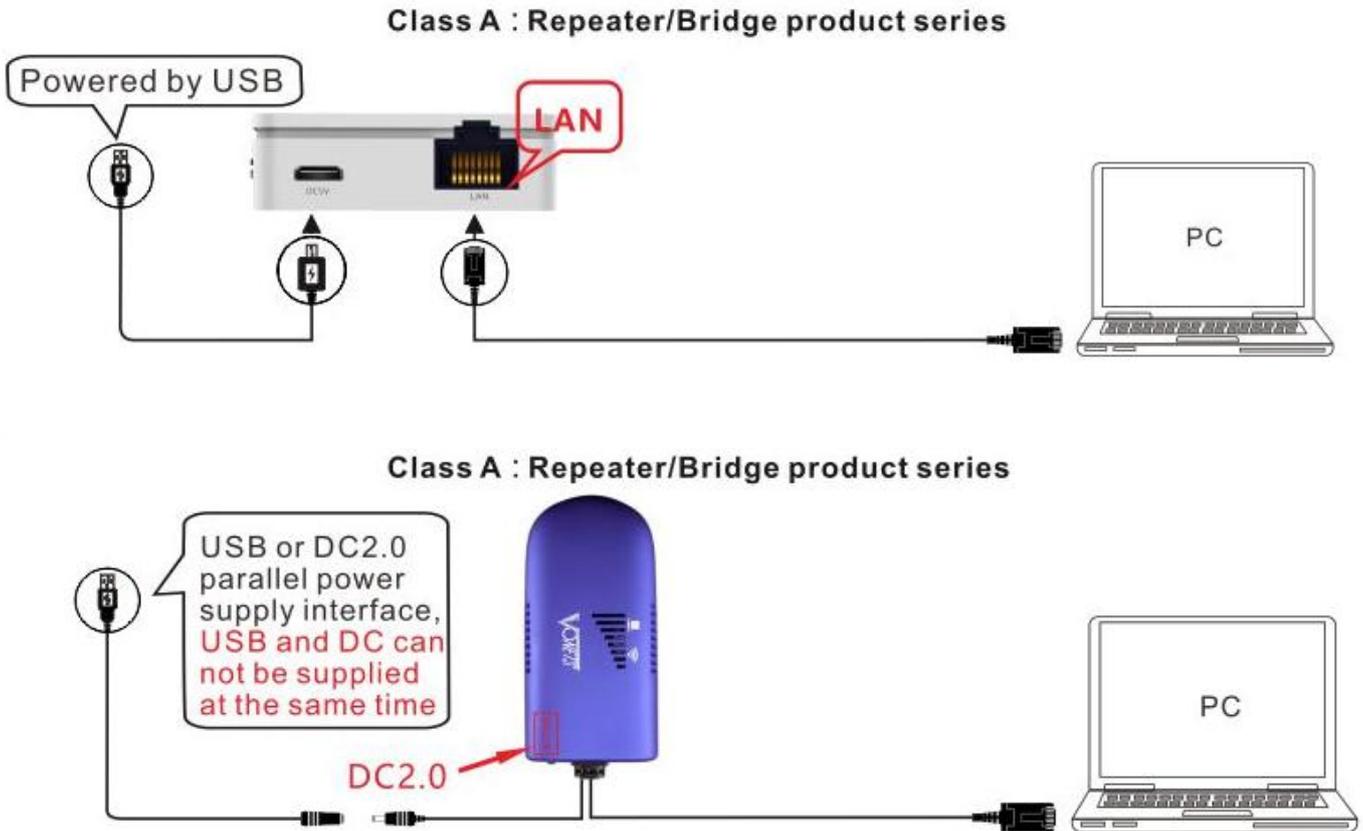
Method 2. -- WiFi connect to bridge by PC or smart phone, see the 2 drawing below:

Class A : Repeater/Bridge product series

Class A : Repeater/Bridge product series

USB or DC2.0 parallel power supply interface, USB and DC can not be supplied at the same time

DC2.0

Cable is idle

iPhone

PC

Step 2. Power on the device (Please refer to the supply parameters of <VONETS wireless products table to power,this series product does not contain the power adapter from original factory,users need to buy power adapter according to supply parameters)

Step 3. Connect to WiFi bridge hot spot by smart phone or PC (**This step is fit for <Step 1. Method 2>**)

WiFi hot spot parameters of VONETS series bridge as below:

WiFi SSID: **VONETS_********

WiFi password: **12345678**

Step 4. Log in WEB configured page, configure the parameters of source WiFi hot spot

1) Open browser (IE, Google Chrome, Safari, the mobile phone browser and so on), enter IP address (192.168.254.254) or configured domain name of configured page (http://vonets.cfg);

- Windows Internet Explorer

http://192.168.254.254/

2) Enter user name and password (it is admin) on the log in page, click "Login" button to enter configured page;

English
简体中文
admin
•••••
Login
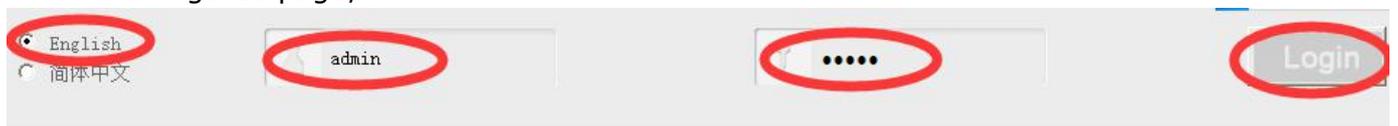
3) Search the source WiFi hot spot
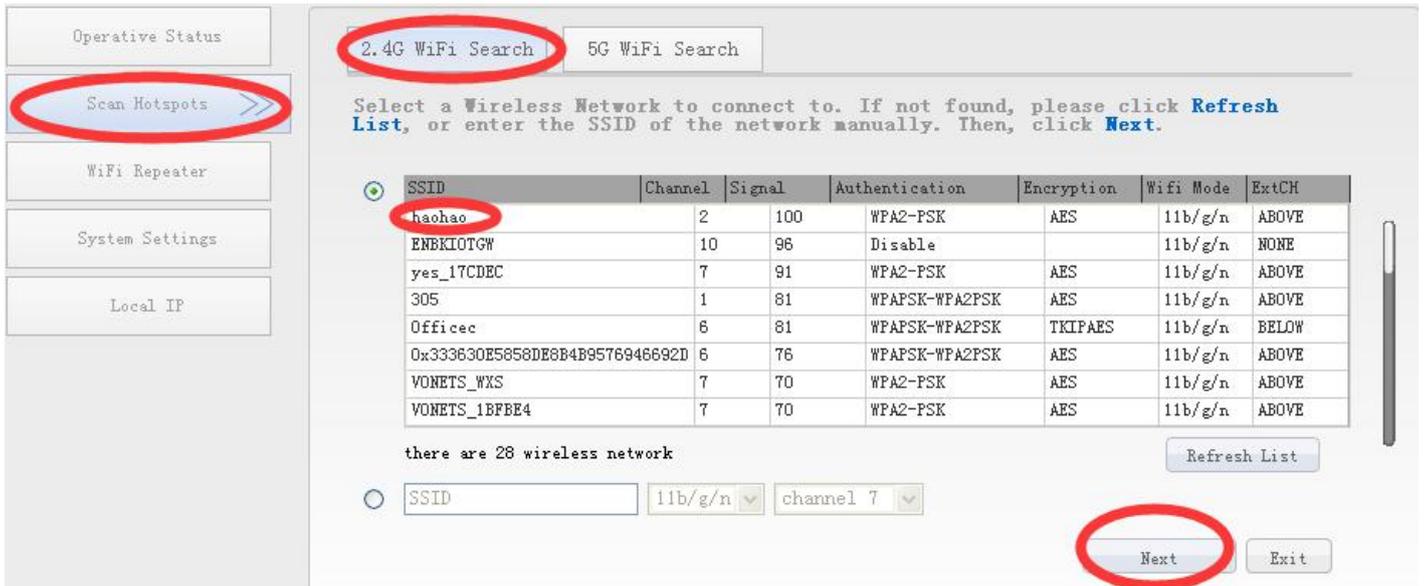
4) Set up the source WiFi hot spot password, extended WiFi hot spot SSID (the default configuration: The password of extended WiFi hot spot is the same as the source WiFi hot spot password)
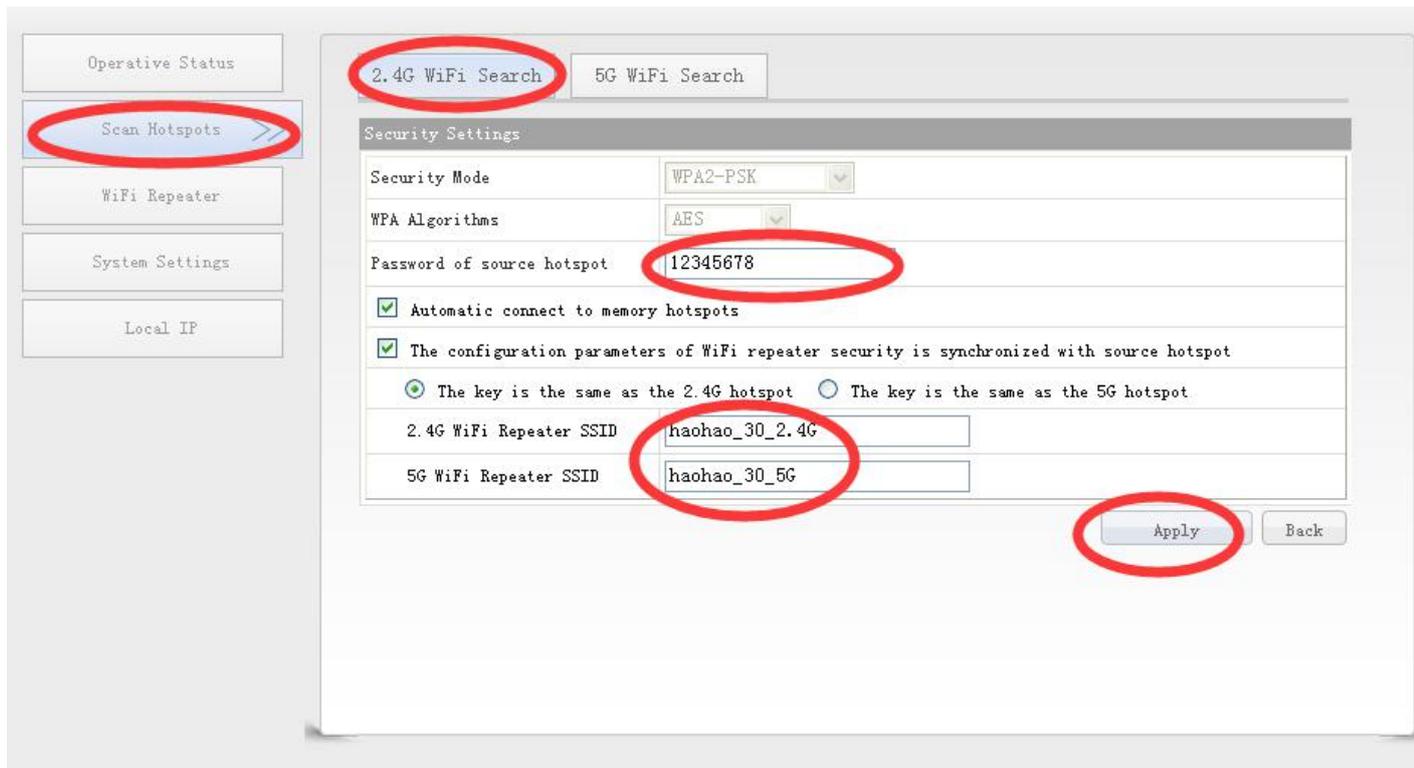
5) Configure WiFi Transmit power (This is just fit for VAP11G-500, VAP11G-1000, VAP11G-2000)
- The default is Normal WiFi power, at this point the point to point transmission distance can not reach the farthest remote;
- If you want to reach the farthest transmission distance, this product must be paired to use, the device is configured to high power mode, please the drawing below:
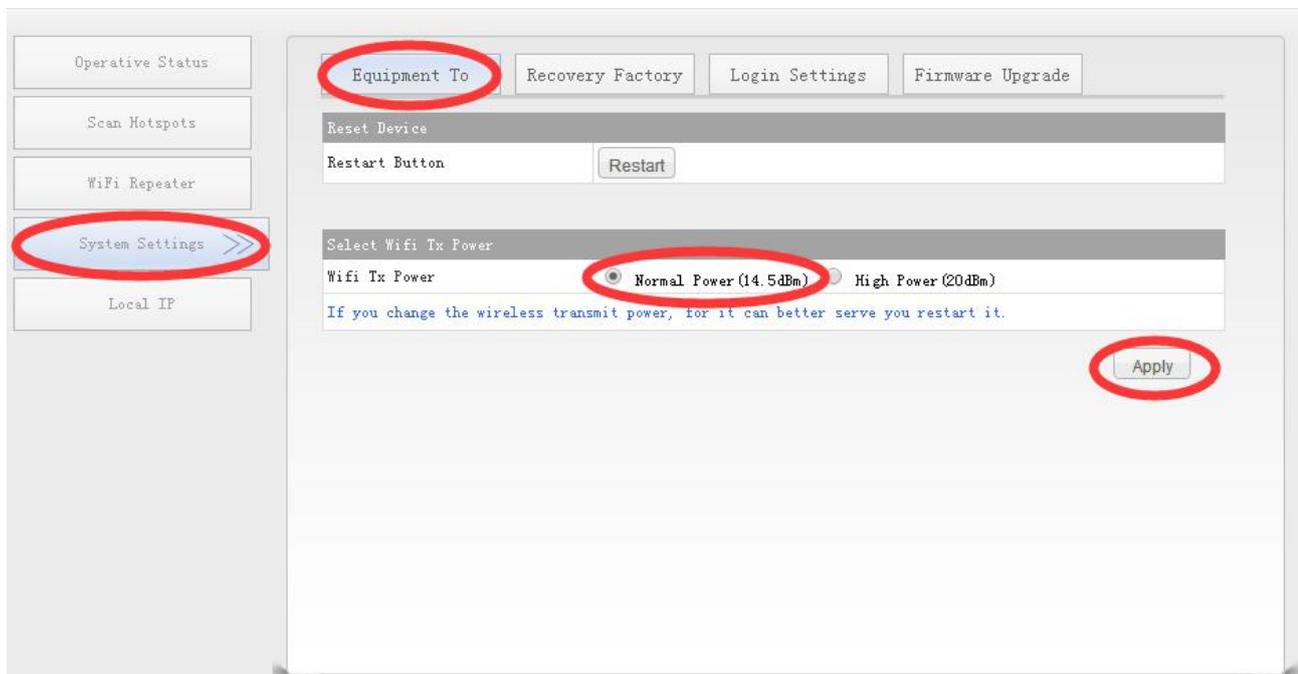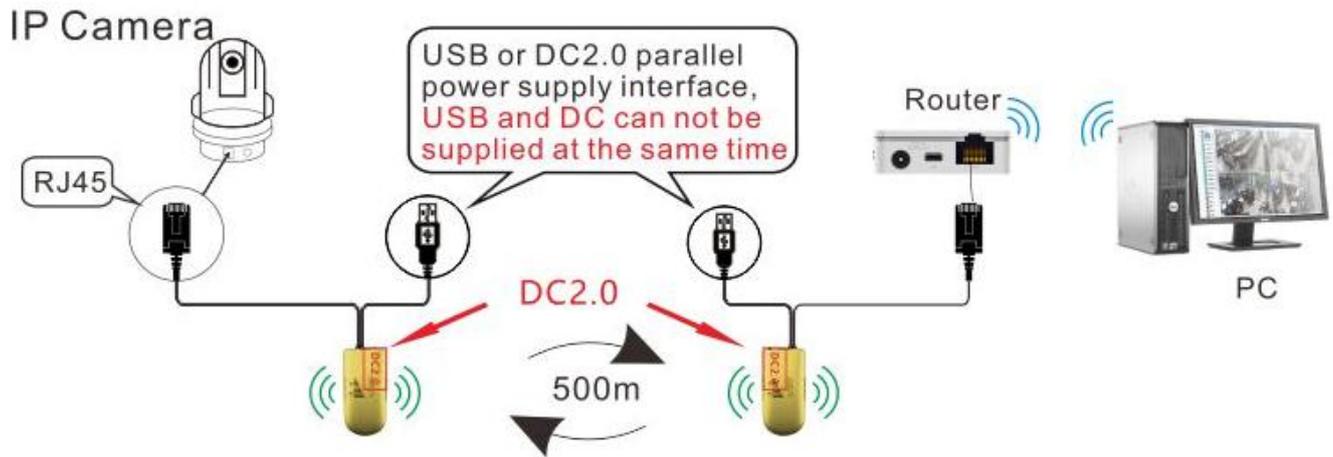
6) After rebooting the device, the device will automatically connect to the configured WiFi hot spot, if it is configured successfully, the green indicator will flash quickly.

Note 1: When bridge/repeater product connect to external network, the IP address of the device will change.　At this time, when log in configured page, we suggest you enter configured domain name: http://vonets.cfg.　Or in Windows command window, enter the command: ping vonets.cfg,　to get the IP address of the device, then log in configuration page with this IP.

VONETS Class B, C: (WiFi Router + Repeater + bridge) Series Product

Setting Guide

Step1. Connect -- There are two methods to connect when configured.

Method 1. -- Connect the device LAN port to PC by Ethernet cable, see the 2 drawing below:
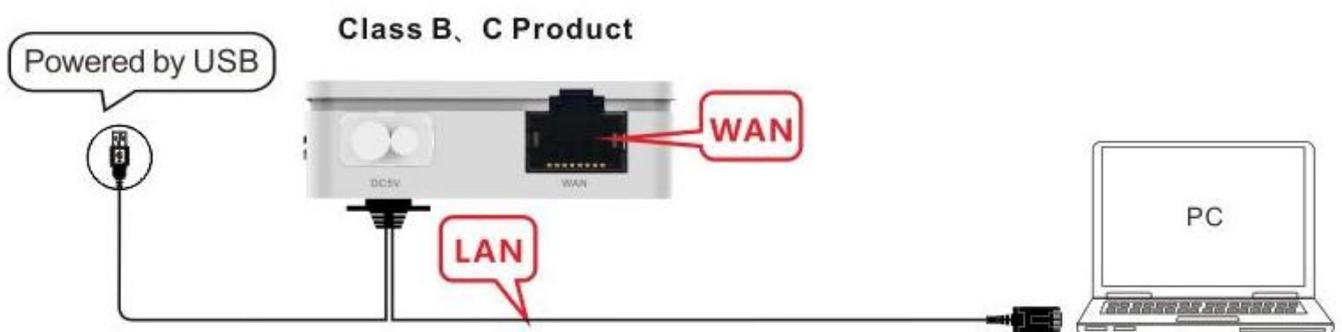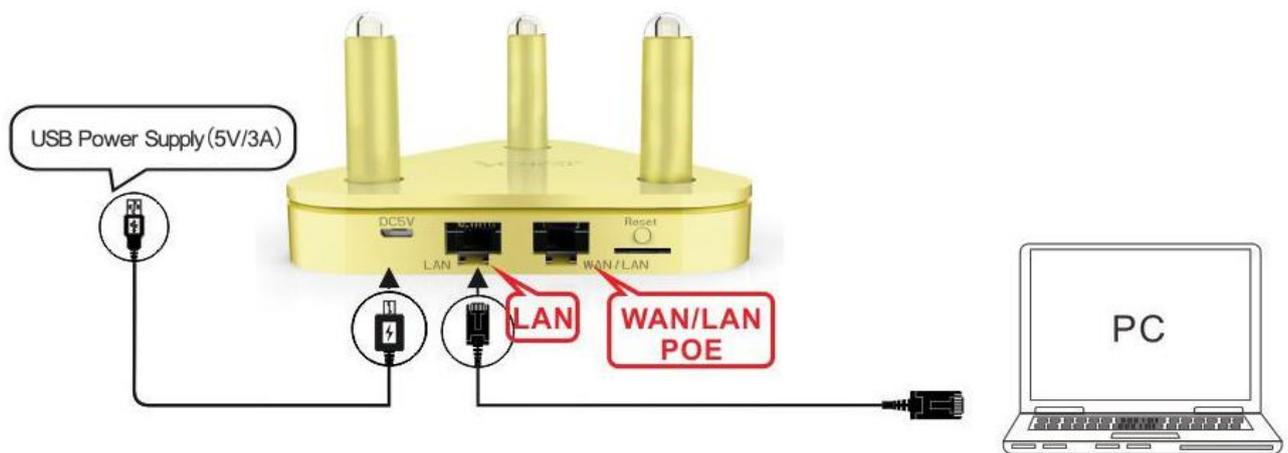
Method 2. -- WiFi connect to router by PC or smart phone, see the 2 drawing below:

Class B、C Product

Powered by USB

PC

USB Power Supply (5V/3A)

PC

VONETS Class B, Class C Products

Step 2. Power on the device (Please refer to the supply parameters of <VONETS wireless products table to power,this series product does not contain the power adapter from original factory,users need to buy power adapter according to supply parameters)

Step 3. Connect to WiFi bridge hot spot by smart phone or PC (**This step is fit for <Step 1. Method 2>**)

    WiFi hot spot parameters of VONETS series bridge as below:

    WiFi SSID: **VONETS_********

    WiFi password: **12345678**

Step 4. Log in WEB configured page, configure the parameters of source WiFi hot spot

        1) Open browser (IE, Google Chrome, Safari, the mobile phone browser and so on), enter IP address (192.168.253.254) or configured domain name of configured page (http://vonets.cfg);

- Windows Internet Explorer

    http://192.168.253.254/

        2) Enter user name and password (it is admin) on the log in page, click "Login" button to enter configured page;

3) Set the Internet parameters, for WAN settings, there are two common connection methods: DHCP and PPPOE;

● The default setting is DHCP;
● If it is PPPOE connection, please refer the drawing below, enter the account and password provided by ISP;
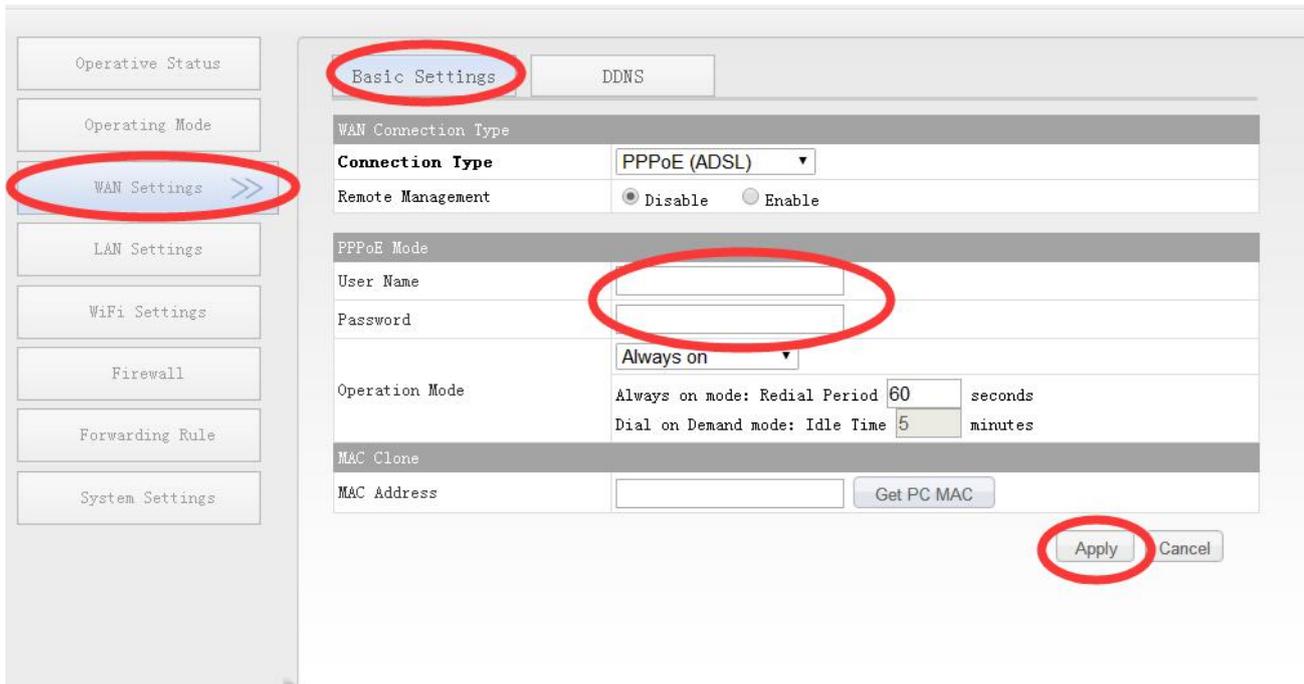
4) WiFi Settings

● In "Basic Settings", user can disable WiFi Network, revise WiFi Repeater (SSID) and change WiFi channel;
● In "WiFi Security", user can revise WiFi security mode and pass phrase;

5) The function interchange of WAN and LAN (This operation is just fit for VAR11N-300, VAR5G)
- In default setting, the WAN/LAN attribute is the same as the mark on the shell;
- Choose "Operating Mode" to switch LAN and WAN function, please see the drawing below:
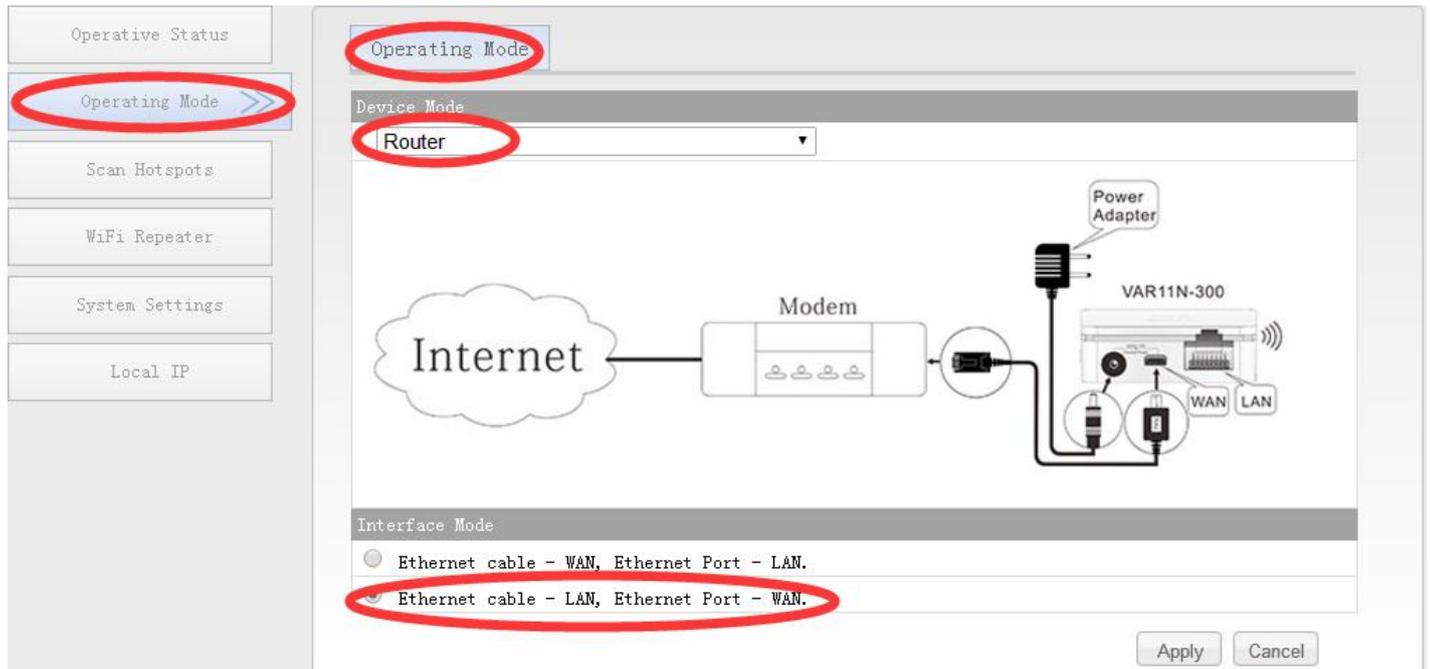
Class A 2.4G product (Repeater/bridge) Indicator Light Instruction

WiFi Status Light	Hot spot connection Status	Note
(Blue Light) Continuous Quick Flash	Not connected	Products are not configured for any hot spots
(Blue Light) Continuous Quick Flash	Connected	WiFi hot spot signal >50%
(Blue Light) Intermittent Slow Flash	Connected	WiFi hot spot signal is 10%-50%
(Blue Light) Continuous Slow Flash	Connected	Being connected to a hot spot
(Blue Light) Continuous Slow Flash	Connection failed	Password is wrong or not connected to a hot spot

Class A Dual band repeater (VRP5G, VAR5G) Indicator Light Instruction

WiFi Status Light	Hot spot connection Status	Note
(Green Light)Continuous Quick Flash	Not connected	Products are not configured for any hot spots
(Green Light)Continuous Quick Flash	Connected	Connected to 5Ghz WiFi Hot spot
(Green Light) Intermittent Quick Flash	Connected	Connected to 2.4Ghz WiFi Hot spot
(Green Light) Continuous Slow Flash	Connecting	Connecting the source hot spot
(Green Light) Continuous Slow Flash	Connection failed	Password is wrong or not connected to a hot spot

General operation and common faults of VONETS series products

1. How to reset to the factory default parameters?
   Power on the device, after 60 seconds, long press Reset button until 5 seconds, the green light will flash a few, then the device will automatically reset to the factory default parameters (it will take about 60 seconds to reset the device), during the recovery of the factory operation, the product can't be powered off, otherwise it may cause damage to the product.

2. Does the VONETS series product support firmware upgrade, how to upgrade?
   All VONETS series products support firmware upgrade, and support online upgrade, please visit website: www.vonets.com to refer to the related documents.

3. The device WiFi hot spot can be found, but the smart phone or PC can't connect to this device hot spot?
   - Reason 1. Due to some unexpected operation or power down, caused the destroy of device parameters. At this time, just need to reset the device to factory default parameters;
   - Reason 2. The device WiFi doesn't work at the best channel, make the performance worse. At this time, you can try to change the source WiFi hot spot and this device WiFi channel to make the performance better;
   - Reason 3. The smart phone or PC haven't configured the correct WiFi password;

4. The device has been configured the source WiFi hot spot parameters, the smart phone or PC has connected to the device WiFi hot spot, but still doesn't get internet?
   - First, check the status light to know the current state of the device, then according to the state of the device to analyze the fault reasons;
   - Reason 1. The distance between the device and source WiFi hot spot is too long, cause the communication performance degradation, finally effect the user's access to the Internet. At this time, just need shorten the distance between the device and source WiFi hot spot to solve this problem;
   - Reason 2. Due to some unexpected operation or power down, caused the destroy of device parameters. At this time, just need to reset the device to factory default parameters;
   - Reason 3. The device WiFi doesn't work at the best channel, make the performance worse. At this time, you can try to change the source WiFi hot spot WiFi channel to make it the same as the default channel of the device, the reboot the device, the device will automatically exchange to the same channel as the source WiFi hot spot, to make the performance better;
   - Reason 4. There are several WiFi hot spot around the device, WiFi channel mutual interference, make the performance worse. At this time, you can try to change the source WiFi hot spot and this device WiFi channel to make the performance better;
   - Reason 5. The configured source WiFi hot spot parameters are not correct. At this time, just

need to configure the correct parameters then reboot the device;

5. The smart phone or PC has been connected the device by WiFi or Ethernet cable, but user can't log in the device WEB page, or after log in the WEB it shows error?

- Reason 1. The users don't use the browser recommended by VONETS(IE, Google Chrome, Safari, the mobile phone browser);
- Reason 2. The smart phone or PC installed the firewall, the security level is set too high, caused the above problem. At this time, only need to close the firewall;
- Reason 3. The security level of browser is too high, it will also cause the above problem. At this time, just need to reduce the browser's security level, then log in again;
- Reason 4. The IP address of the device input error. For the new device from the factory, user only need input the correct IP address according to the instruction guide; for the device that has connected the source hot spot, user only operate according to <Note 1>.

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