300M Professional Mini

WiFi Bridge

WiFi Repeater

VAP11G-300

Quick Setting Guide

Declaration

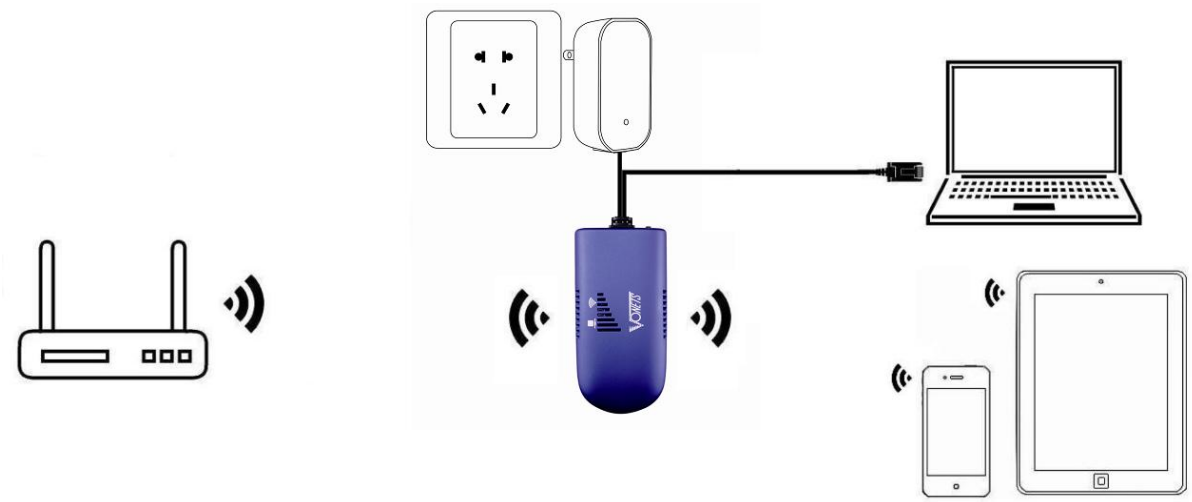
Note: It is recommended to use a standard 5V/1A independent power adapter!

1. The output power of the power supply is insufficient or the output voltage is too low, which may easily cause the equipment to work abnormally! It is very easy to cause flash memory damage (also easy to damage without saving parameters).
2. The power supply is bad, and the flash memory is damaged due to saving the configuration or restoring the factory!

VAP11G_300 Setting Guide

I. Connect Method:

1. Repeater+Bridge Mode



2. AP Mode

II. Set Network

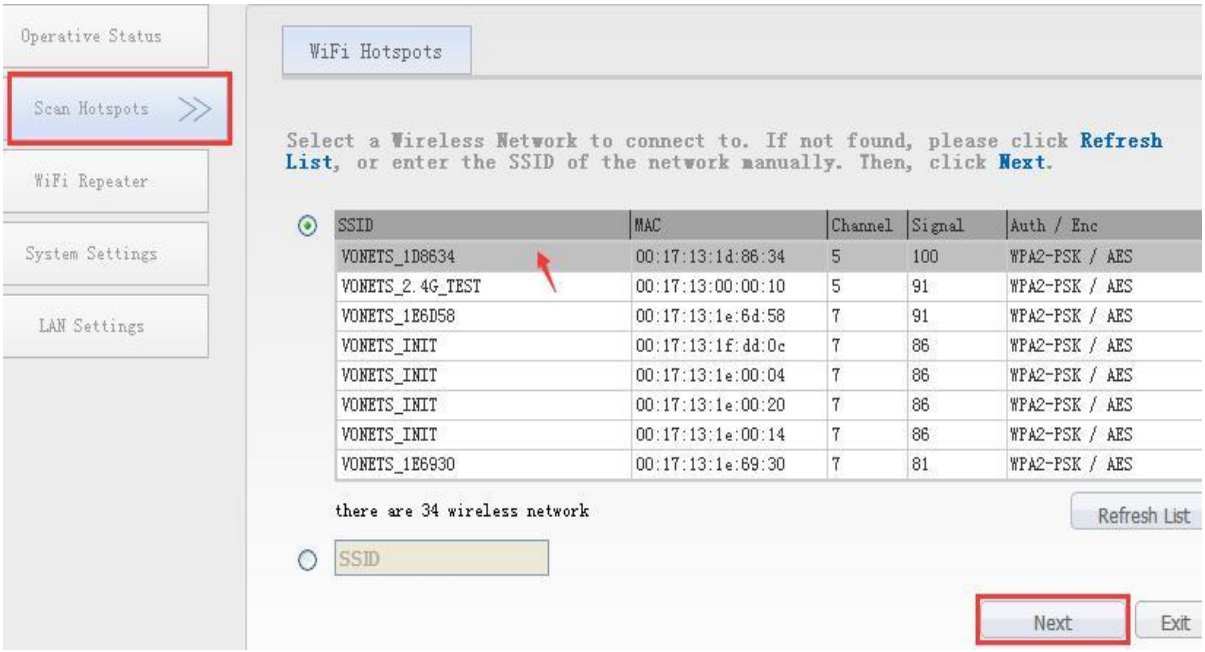
1. Repeater + Bridge Mode

1) Connect VAP11G_300:
   ① PC wired connect to the Ethernet port of VAP11G_300;
   ② Or connect WiFi signal of VAP11G_300 by Smart phone and PC, its hotspot parameters as below:
   WiFi SSID: VONETS_******
   WiFi Password: 1234578

2)Open Browser,input configured page:http://vonets.cfg/(or IP:192.168.254.254

3)Enter User name and Password in login page (both are admin), click “Login” button to enter configured page;

4) “Scan Hotspots”, choose the source hotspots, click “Next”;



5)Input “Source wireless hotspot password”, click “Apply”;

6)Reboot the device, VAP11G_300 will connect to the configured WiFi hotspot automatically, if connection is successfully, blue LED light will quick flash;

Remark 1: ①VAP11G_300 is not configured connect to any hotspot, hotspot connection status light (Blue Light) will quick flash;

②VAP11G_300 is connected successfully, hotspot connection status light (Blue Light) will quick flash;

③VAP11G_300 is connected failed, hotspot connection status light (Blue Light) will slow flash.

2. AP Mode

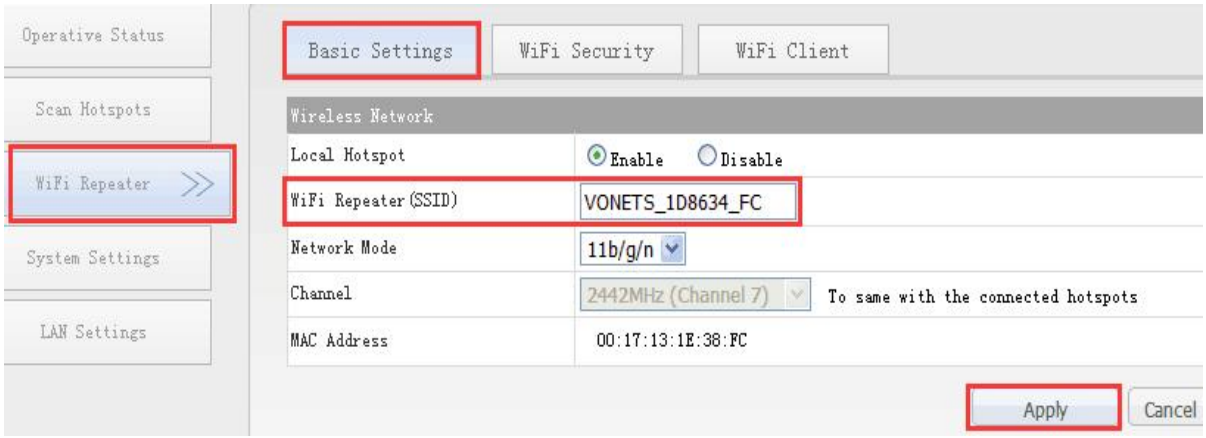
In AP mode, there is no need any configuration, wireless connection to the VAP11G_300 hotspot can be networked (For connection method, please refer to “Repeater+bridge mode” setting)

Remark 2: When VAP11G_300 is connected to external network, its IP address will be changed. At this time, if you need to login configured page, we suggest you to login : http://vonets.cfg . Or in the Windows command line window, enter command: ping vonets.cfg, to obtain the device IP, then login the page by this IP.

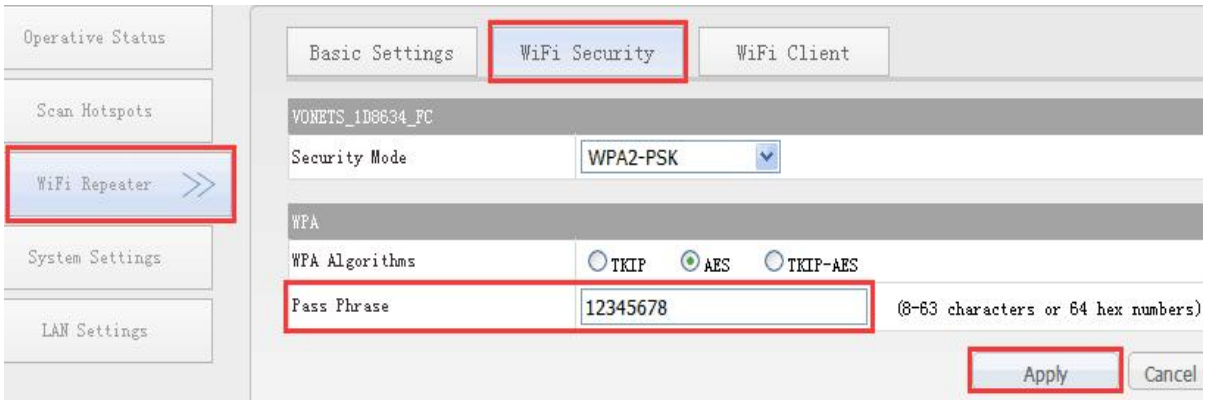
III. Revise WiFi name and WiFi password:

1)The network device connects to the VAP11G_300 and enters the configuration page (For connection method, please refer to “Repeater+bridge mode” setting);

2)Revise WiFi name: Jump to “WiFi Repeater”----”Basic Settings”, enter new WiFi name in “WiFi Repeater (SSID)”, click “Apply”;



3) Revise WiFi password, in “WiFi Repeater”----”WiFi Security”, enter new WiFi password in “Pass Phrase”, click “Apply”;



4) Reboot device, jump to “System Settings”----”Equipment To”, click “Restart”, when it is finished, then it will take effort;

Appendix Frequently Asked Questions

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 80 seconds to reset the device),_ during the recovery of the factory operation, the product can’t be powered off, otherwise it may cause the product to Damage.

2. Does VP11G_300 support firmware upgrade, how to upgrade?
   VAP11G_300 supports 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 hotspot?

● 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 hotspot, 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 <Remark 2>.

6. Precautions for product application and secondary development

1. Problems related to wireless interference:

1.1 Use the ping command to test the wireless transmission performance. If it is found that the delay of the ping packet response is extremely uneven, and there are many responses with a large delay, it can basically be judged that the wireless has been strongly interfered;

1.2 The product antenna should be kept as far away as possible from sources of interference, such as switching power supplies, antennas of other modules or wireless products, etc.;

1.3 If it is too close to the antenna of other wireless products, it will cause mutual interference, resulting in an increase in the transmission bit error rate and a slower transmission rate. At this point, the wireless signal must be properly attenuation. The methods of attenuating the signal include adding obstacles, extending the distance, and adding a resistor in series between the antenna feed point and the antenna, etc., to meet the actual application requirements;

2. Selecting a suitable power supply is the key to good and stable wireless transmission and stable operation of the product. Improper power supply will cause damage to the product or poor wireless performance. The selected power supply must meet the power supply Input voltage range and input power requirements, the ripple must be less than the required maximum power supply ripple (100mV).