



VAP11G-300 Product Specification

VAP11G-300 is a professional 300M WiFi repeater/bridge that is elaborately developed by HouTian Network, **the original creation D/A temperature compensated auto frequency control technology (TAFC)**, it solved the common failing of the traditional WiFi signal or WiFi products that easily drop the network, make sure the lasting stability to ensure that the WiFi signal is not dropped. It is based on IEEE 802.11N standard, can extend WiFi Network range, provides the stable transmission up to 300Mbps, also is compatible with IEEE 802.11B and IEEE 802.11G standard.

VAP11G-300 is an environmentally and safe WiFi signal repeater. Working in the repeater mode, VAP11G-300 can be doubled to extend the original WiFi signal coverage, while it can ensure the security of the WiFi signal, its working principle is: at the edges of the original WiFi hotspot signal coverage, the VAP11G-300 that in "repeater mode " is able to receive weak WiFi signal, and then zoom in to the normal, safe strength, and after optimization, error correction processing, to achieve signal coverage distance doubled extension under safe. This differs from traditional WiFi signal amplifier - only amplifies the signal and ignore the WiFi security.

- Environmental, Safe, Portable
- Support 802.11b/g/n WiFi transmission protocol, 300Mbps rate of transmission
- Professional smart WiFi repeater
- WiFi smart bridge function, WiFi to wired, wired to WiFi, smart exchange;
- WiFi smart repeater mode, it supports WiFi hotspots scan automatically and WiFi hotspot memory function
- Support turn off the WiFi hotspot function
- Support WEB remote firmware upgrade, can get the latest firmware free
- Support local WEB management, Chinese and English configuration interface
- It can be USB powered, easy to use power bank supply
- Adopt the original creation D/A temperature compensated auto frequency control technology (TAFC), make sure the lasting stability to ensure that the WiFi signal is not dropped
- Original creation VDNS virtual domain configuration technology to solve the user's trouble of configuration;
- WiFi hotspot memory, maximum memory 100 hotspots;
- Support connecting more than 20pcs WiFi terminal at the same time.
- Support WPA-PSK/WPA2-PSK、64/128/WEP security mechanism.
- Input voltage (DC5V-15V), Needn't extra power supply, reducing e-waste.
- The transmission distance (without obstacle) : 80m.



In the software operation, Houtian network uphold the consistent simple, user-friendly design, abandoned the verbose of IP setup for traditional WiFi repeater, using the virtual domain configuration techniques(VDNS)configuration, and also support the use of IE browser configuration and PC-specific software configuration(no IP connection), on the steps, it is even more concise, no redundant operations, which greatly facilitates the use of different levels of user.

Hardware Spec	
Protocol Standard	IEEE 802.11g, IEEE 802.11b, IEEE 802.11n
Rate of transmission	300Mbps
Interface	1 DC2.0 power hole; 1 dedicated two in one power supply cable, with a set of power supply and a set of 10/100M adaptive Ethernet cable
Button	Reset button (long press 5 seconds)
LED	Status instruction: WiFi state/Hotspot connection state (blue light); Ethernet port state (light green for success);
Antenna	Built-in 2pcs Smart omnidirectional 2dbm Antennas
Size	90mm x 45mm x 15mm(L x W x H)

WiFi Related	
Basic Function	Channel option: 1-14; WiFi Hotspot scan automatically; WiFi Hotspot memory; WiFi Hotspot exchange.
Working Mode	WiFi smart repeater mode: Repeater mode (WiFi signal repeater), it can extend the distance of WiFi transfer;
WiFi Security	64/128/WEP encryption WPA-PSK/WPA2-PSK、WPA/WPA2 security mechanism
System Function	Restart device Reset factory Administrate account and password revise Firmware upgrade

Product picture, see following:



Picture 1

Remark:

- 1) VAP11G-300 is not connected to any hotspot, hotspot connection status light (blue light) quick blink;
- 2) VAP11G-300 is connected to hotspot successfully, and WiFi hotspot signal is more than 50%, the status light(blue light) quick blink;
- 3) VAP11G-300 is connected to hotspot successfully, and WiFi hotspot signal is less than 50% but more than 10%, the status light (blue light) intermittent quick blink;
- 4) VAP11G-300 is connected to hotspot successfully, and the WiFi hotspot signal is less than 10%, the status light (blue light) slow blink;
- 5) VAP11G-300 is connected to hotspot failed, the status light (blue light) will slow blink.