VRP5G Product Specification

VRP5G is a professional dual band WiFi repeater/bridge that is elaborately developed by HouTian Network, can work both for 5G and 2.4G. VRP5G is a high performance WiFi repeater, **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 that the WiFi signal is not dropped. It is based on IEEE 802.11ac and 802.11n standard, can extend WiFi Network range, provides the maximum transmission up to 450Mbps, also is compatible with IEEE 802.11B and IEEE 802.11G standard.

VRP5G is an environmentally and safe WiFi signal repeater. Working in the repeater mode, VRP5G can be doubled to extend the original WiFi signal coverage, while it can ensure the security of the wireless signal, its working principle is: at the edges of the original WiFi hot spot signal coverage, put VRP5G that is in "repeater mode", VRP5G can receive the weak WiFi signal, and then zoom into the normal, safe strength, and after optimization, error correction processing, to achieve signal coverage distance doubled extension under safe. This differs from the traditional wireless signal amplifier - only amplifies the signal and ignore the wireless security. Its main features as below:

- Support both 2.4G and 5G band;
- Adopt **the original creation D/A temperature compensated auto frequency control technology (TAFC)**, make sure the lasting stability that the WiFi signal is not dropped;
- Original creation VDNS virtual domain configuration technology to solve the user's trouble of configuration;
- Low power consumption, the total power consumption is less than 4W;
- The professional intelligent WiFi Repeater;
- WiFi intelligent bridge function, Wireless switch wired, wired switch wireless, intelligent switch;
- WiFi intelligent repeater mode, it supports WiFi hot spots scan automatically and WiFi hot spot 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;
- Support 110-240V power supply;
- 2 10/100M adaptive Ethernet base;
- Support 802.11ac, 802.11n WiFi transmission protocol;
- Transmission rate: 450Mbps;
- Support connecting more than 20pcs WiFi terminal at the same time.

- The transmission distance (without obstacle) : 100m.
- Good compatibility, almost compatible with all smart phones, tablet PCs, laptops, Internet and other WiFi devices.

In the software operation, Houtian network uphold the consistent simple, user-friendly design, abandoned the verbose of IP setup for traditional wireless 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.

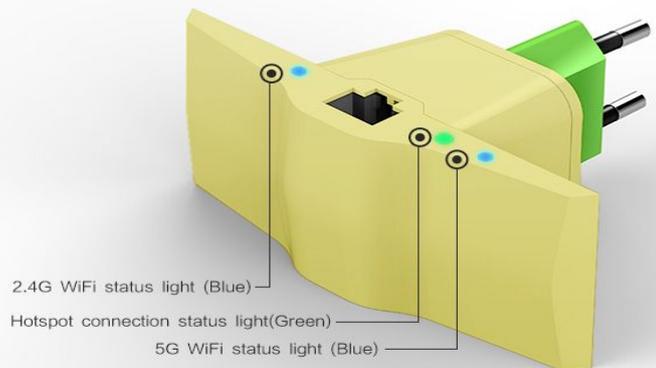| Hardware Spec	
Protocol Standard	IEEE 802.11ac, IEEE 802.11g, IEEE 802.11b, IEEE 802.11n technology
WiFi Transmission	450Mbps
Interface	2 10/100M adaptive Ethernet base
Button	Reset button (long press 5s then release)
LED	Status indicator: Ethernet port status light; 2.4G WiFi indicator light; 5G WiFi indicator light; Hot spot connection status light;
Antenna	Built-in 2pcs Smart omnidirectional 2.4G Antennas; Built-in 1pc intelligent omnidirectional 5G Antenna.
Size	mm x mm x mm（L x W x H）

WiFi Related	
Supported band	2.4G and 5G
Basic Function	WiFi Swtich; SSID broadcast switch; WiFi mode option:　11n only,　11 bgn mixed,　11 bg mixed, 11g only, 11b only; WiFi Hot spot scan automatically; WiFi Hot spot switches.
Working Mode	WiFi intelligent repeater mode; Repeater (WiFi signal repeater) mode, can extend WiFi

	transmission distance; WiFi intelligent bridge mode.
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:

Product Name	VRP5G
WiFi Function	Repeater/Bridge
WiFi Frequency	2.4GHz、5.8GHz
WiFi Protocol	802.11ac
transmission rate	750Mbps
Color	White
Device size	96x40x82mm
Work Voltage	5V–15V
Package	120x100x45mm
Weight	58.5g

2.4G WiFi status light (Blue)
Hotspot connection status light(Green)
5G WiFi status light (Blue)

Product Features

1、Repeater/Bridge mode
VRP5G has WiFi repeater mode and bridge mode

2、TAFC
The original creation D/A temperature compensated auto frequency control technology（TAFC），make sure the lasting stability, that the WiFi signal is not dropped.

3、Support Domain name configuration
Domain name configuration technology, support WEB management, Chinese and English configuration interface, solve the worries of user configuration

4、IEEE 802.11ac
Adopt advanced 802.11ac WiFi technology 750Mbps WiFi transmission rate

5、Industrial Solution
Using mature wireless solutions, wireless performance is stable

6、WiFi network can be disable
The user can turn off the WiFi network separately in the configuration interface

7、Good compatibility
Good compatibility, almost compatible with all of the smart phone, tablet computer, notebook and WiFi devices.

8、WiFi intelligent bridge mode
AP Station (WiFi hotspot) mode
AP Client (WiFi client) mode
Repeater (WiFi signal repeater) mode

_____