### **300M** Professional Mini

## WiFi Bridge

## WiFi Repeater

## VAP11N

## Quick Setting Guide

### Declaration

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### **Product Introduction:**

### VAP11N supports two kinds of functions

1. WiFi Repeater (VAP11N) : is a functional device that assists the Internet communication gateway to expand wireless coverage area. It is mainly used for expansion of wireless network signal and area coverage to make sure the smooth running of home wireless network.



2. Intelligent WiFi Bridge mode(VAP11N): WiFi intelligent bridge function, wireless to wired, wired to wireless intelligent switching.



#### Remark:

1. When you want to restore the factory default setting, please press RESET button on the product for 5 seconds, after blue light blink a few, it will reset automatically (it will take about 30 seconds).

2. The operative mode of the device is "WiFi bridge+WiFi Repeater", user no need switch WiFi repeater and bridge.

# Chapter 1 Quick Setting Guide of WiFi Repeater mode

#### 1. Configure VAP11N

- > Wireless connect VAP11N by laptops, smart mobiles, IPAD and other wireless devices.
- > The default WiFi SSID (WiFi name) is: VONETS\_the last six characters of product MAC address.
- > The default WiFi password is 12345678

If you configure VAP11N by computer, please set computer IP address to obtain an IP address automatically, please see the words in the red circle of the following picture:

|                                | Alternate Configuration   |                                    |                  |                    |                       |
|--------------------------------|---|------------------------------------|------------------|--------------------|-----------------------|
| You car<br>this cap<br>for the | n get IP settings assigned au<br>ability. Otherwise, you need<br>appropriate IP settings. | itomatically if<br>d to ask your r | your n<br>networ | etwork<br>'k admir | supports<br>histrator |
| 00                             | btain an IP address automat   | ically                             |                  |                    |                       |
| O Us                           | se the following IP address:  |                                    |                  |                    |                       |
| IP a                           | ddress:   |                                    | - R              |                    |                       |
| Subr                           | net mask:   | 1                                  | - 6              | ×                  |                       |
| Defa                           | ult gateway:  |                                    | 10               | 2                  |                       |
| 00                             | btain DNS server address au   | tomatically                        | >                |                    |                       |
| OU                             | se the following DNS server a   | addresses:                         |                  |                    |                       |
| Pref                           | erred DNS server:   | 14                                 | - 83             | ÷.                 |                       |
| Alter                          | nate DNS server:  |                                    | ĸ                |                    |                       |
| Πv                             | alidate settings upon exit  |                                    |                  | Adv                | anced                 |

Remark:

1) If users wireless connect VAP11N by computer, please disable the Local Area Connection and other adapters.

2) If users wired connect VAP11N by computer, please disable the Wireless Network Connection and other adapters.

| LAN or High-Speed Internet                  | туре                    | Status    | Device Mane                                 |
|---|-------------------------|-----------|---|
| Local Area Connection                       | LAN or High-Speed Inter | Disabled  | Intel/P) 82562V-2 10/100 Network Connection |
| <sup>((p)</sup> Wireless Network Connection | LAN or High-Speed Inter | Connected | 802.11 n/g/b Wireless LAN USB Adapter       |
| 41394 Connection                            | LAN or High-Speed Inter | Disabled  | 1394 Net Adapter                            |

**2**.Open the browser, enter http://vonets.cfg or enter the IP address of VAP11N: http://192.168.2 54.254.

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Remark:

1)Enter domain name, then Enter, the login page will appear, the default user and password is admin.

2)After reset to the factory, the default IP of VAP11N is 192.168.254.254.

#### 3. Scan Hotspots

After entering the IE browser, the WiFi hotspots window will appear, can search the WIFI hotspots

signal that opened SSID broadcast around, please see the following:

| SSID                           | Chann | el | Signal | Authentication | Encryption | Wifi Mode | ExtCH |
|--------------------------------|-------|----|--------|----------------|------------|-----------|-------|
| sales                          |       | 2  | 96     | WPA2-PSK       | AES        | 11b/g/n   | ABOVE |
| haohao                         |       | 1  | 91     | WPA-PSK        | TKIP       | 11b/g/n   | NONE  |
| test                           |       | 11 | 60     | WPA2-PSK       | AES        | 11b/g     | NONE  |
| software                       |       | 1  | 55     | WPAPSK-WPA2PSK | AES        | 11b/g/n   | ABOVE |
| TP-LINK_WDR6500_2.4G           |       | 6  | 50     | WPAPSK-WPA2PSK | AES        | 11b/g/n   | BELOW |
| 0x6C6F7665E4B8B9E4B8B931333134 |       | 11 | 44     | WPAPSK-WPA2PSK | AES        | 11b/g/n   | BELOW |
| hy                             |       | 6  | 44     | WPAPSK-WPA2PSK | AES        | 11b/g/n   | BELOW |
| ChinaNet-RtJh                  |       | 11 | 39     | WPAPSK-WPA2PSK | AES        | 11b/g/n   | NONE  |

**4**. Choose a correct WiFi signal, then click Next, the following interface will appear:

| Security Settings  |  |
|--|--|
| Security Mode  | WPA2-PSK   |
| WPA Algorithms   | AES  |
| Pass Phrase  | abc123xyz  |
| <ul> <li>Automatic connect t</li> <li>The repeater parame</li> </ul> | e memory hotspots<br>er and the hotspots synchronization |
| WiFi Repeater SSID   | sales_90   |

**5.** Enter the correct password of the wifi hotspot that VAP11N connected, confirm it is correct one, then click Apply button.

#### VONETS—VAP11N 300M WiFi Repeater WiFi Bridge

| Security Settings     |                                     |  |
|-----------------------|-------------------------------------|--|
| Security Mode         | WPA2-PSK                            |  |
| WPA Algorithms        | AES 🗸                               |  |
| Pass Phrase           | abc123xyz                           |  |
| Automatic connect t   | memory hotspots                     |  |
| 🗹 The repeater parame | er and the hotspots synchronization |  |
| WiFi Repeater SSID    | sales_90                            |  |

**6.** After click Apply button, the above prompt will appear, after saved the configuration parameters successfully, in ensuring the correct password, please restart the device.

Remark: 1) After configured successfully, the WiFi name of the device is source WiFi name\_the last two character of Mac address, the password, encryption method and channel and some other parameters are the same as source hotspot, user can change SSID (hotspot name) and password in WiFi repeater option.

2) In local area network, there is more than one WiFi repeater, it is recommended users to use a static IP configuration. The method of how to set static IP, please click to refer to the documents: http://www.vonets.com/serviceView.asp?D\_ID=215\_

#### 4.WiFi Repeater

In "Basic Settings", user can choose to disable WiFi network, revise WiFi Repeater (SSID).

| Scan Hotspots   | Wireless Network     |   |
|-----------------|----------------------|---|
| WiFi Repeater 🚿 | Host Hotspot         | O Enable 💿 Disable  |
|                 | WiFi Repeater (SSID) | sales_90  |
| System Settings | Network Mode         | 11b/g/n 🗸   |
|                 | Channel              | 2417MHz (Channel 2) 👽 To same with the connected hotspots |
| Host Ip         | MAC Address          | 00:17:13:19:CF:90   |

In "WiFi Security", user can change Security mode and WiFi pass phrase.

| Scan Hotspots    | sales_90              |                      |                                    |
|------------------|-----------------------|----------------------|------------------------------------|
| WiFi Repeater >> | Security Mode         | WPA2-PSK             |                                    |
| System Settings  | WPA<br>WPA Algorithms | ⊖tkip ⊙aes ⊖tkip-aes |                                    |
|                  | Pass Phrase           | abc123xyz            | (8-63 characters or 64 hex numbers |

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http://www.vonets.com