

VONETS OPENWRT Series Router Configuration Instruction

Declaration

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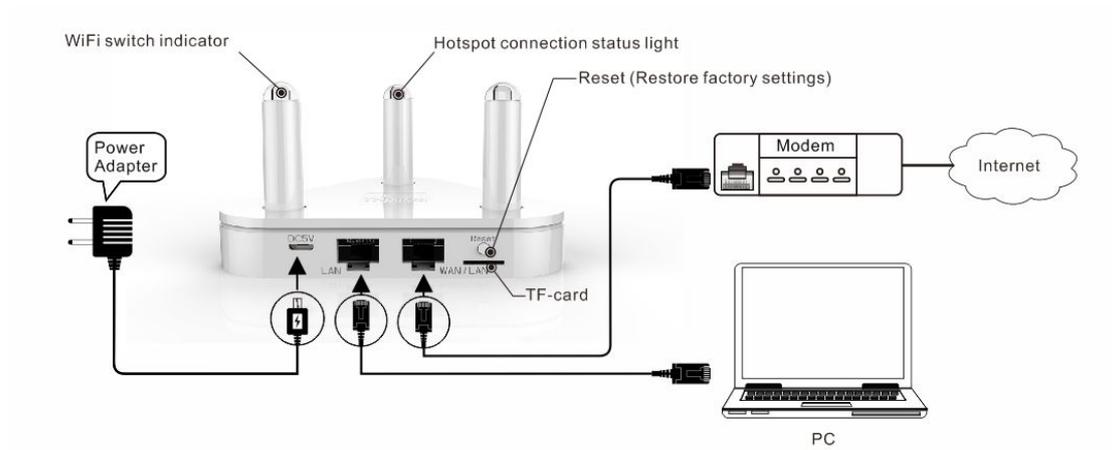
First: Vonets_openwrt Software function description

1. Support auto mount T-card (EXT2), Mount Directory: /data;
2. Support VNET-AD 1.4 Advertising router protocol;
3. Support PORTAL Authentication of iPhone;
4. Automatically start the web service of nginx , service configuration file:
/etc/nginx/nginx.conf;
5. Automatically start PHP service, service configuration should be set up, the configuration file is the same as nginx;
6. Automatically start dnsmasq (DNS agent)
7. Automatically start ntp client (Automatically time)
8. The web configure address of openwrt: http://:vonets.cfg:81
9. After reset to the factory status, support automatic formatting method (T card without OK mark)
10. Support SSH log in (user name: root, password: root)
11. Support luci script
12. Support python2.7, python-openssl

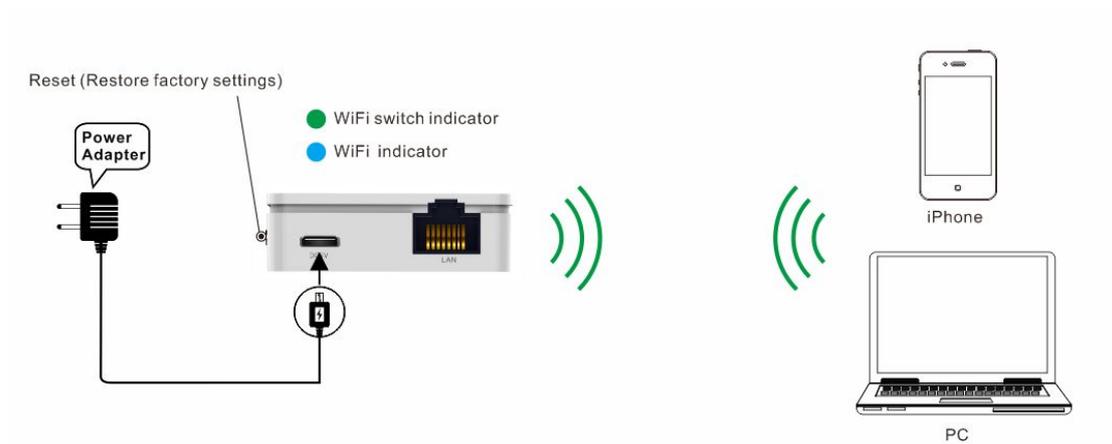
* VNET-AD Advertisement router protocol and configuration file:
http://www.vonets.com.cn/ProductViews.asp?D_ID=96#

Second: Application Diagram

1) VOPWRT Series application diagram



2) MINIOP Series application diagram



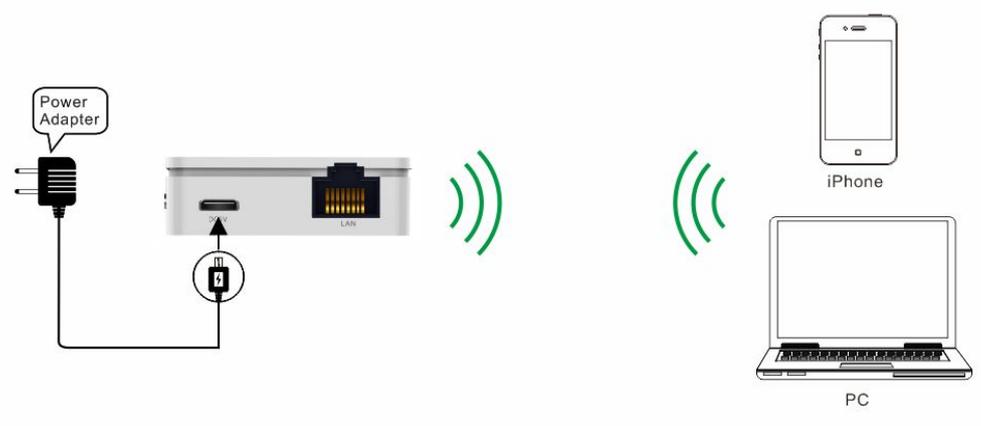
Third: Quick Setting of VONETS OPENWRT router

1. Configuration diagram

1) The diagram of configured by wired:

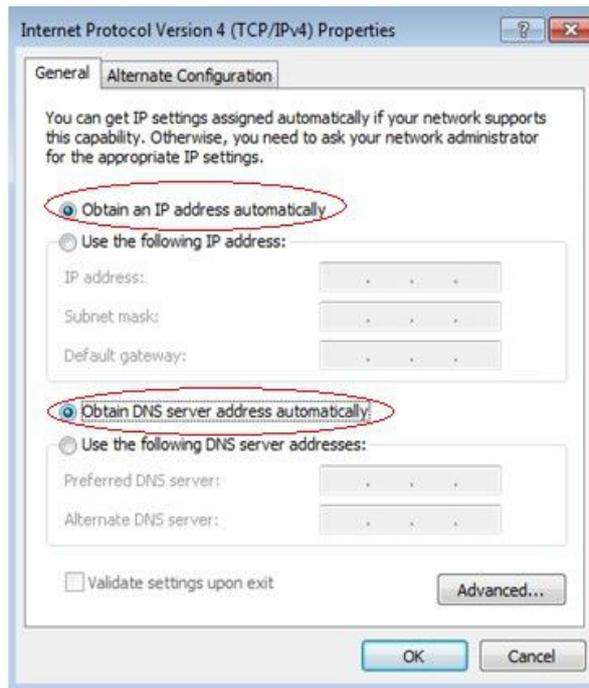


2) The diagram of wireless configuration

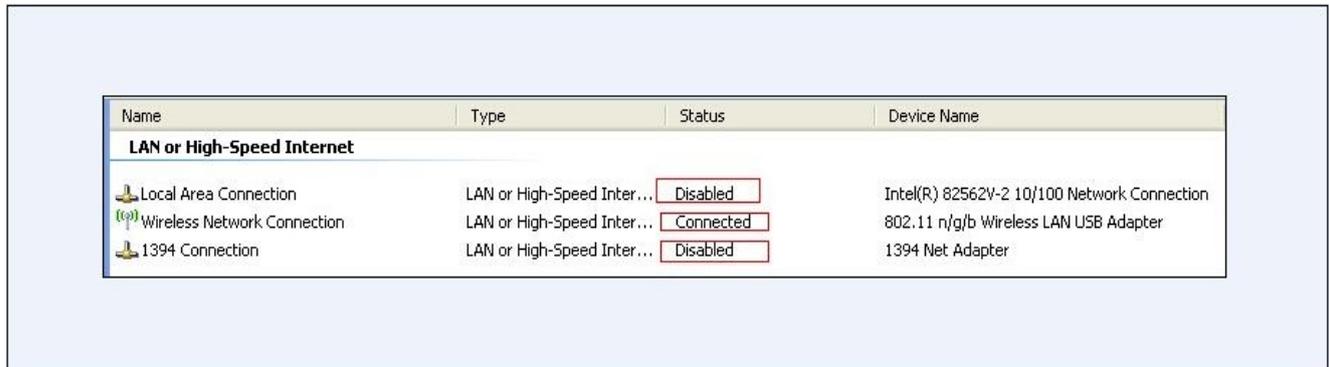


2. Power VONETS OPENWRT series router

1) If users wired connect VONETS OPENWRT by computer, please disable the Wireless Network Connection and other adapters, please set computer IP address to obtain an IP address automatically, please see the words in the red circle of the following picture:



2) If users wireless connect VAP11G-300 by computer, please disable the Local Area Connection and other adapters.



After searched the hot spot of VONETS OPENWRT series router, then connect

Tips:

The hot spot SSID of 2.4G is: VONETS_the last six characters of MAC_2.4G
(password: 12345678);

The hot spot SSID of 5G is : VONETS_the last six characters of MAC_5G
(password: 12345678);

3. VNET-AD configuration page log in:

- Browser address bar input: <http://vonets.cfg:81>

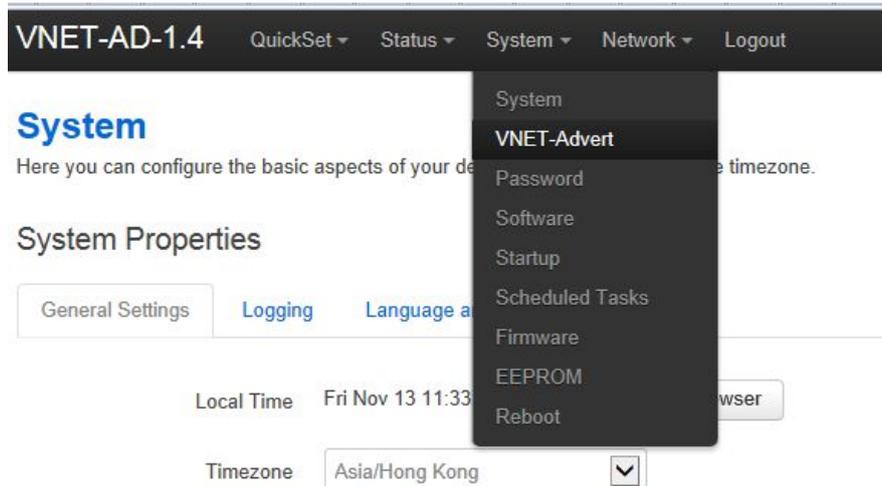
I'm a grain of sand on the beach, but I can be found in public
[HTTP: //WWW. VONETS. COM](http://www.vonets.com)

- Input user ID: root, password: root

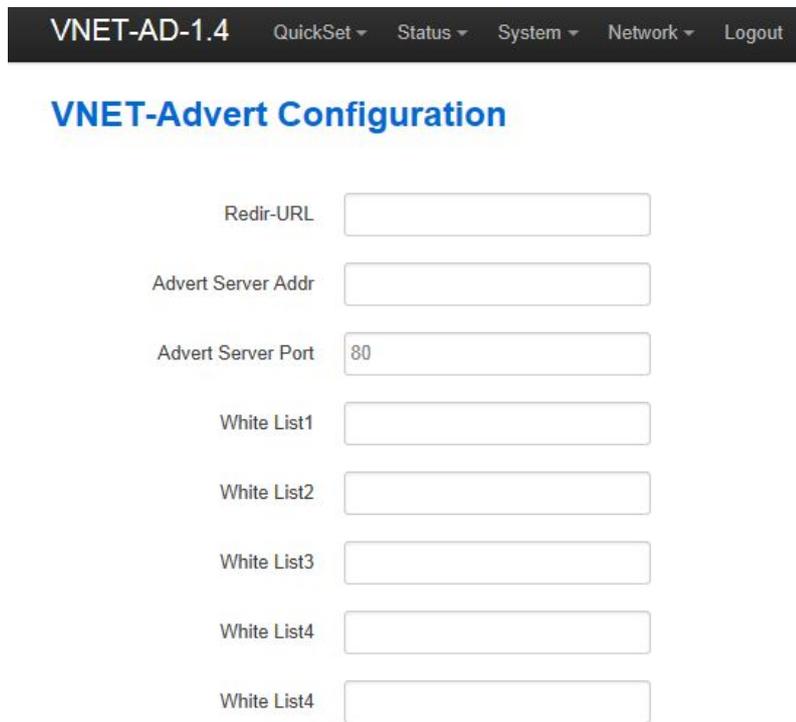
Username

Password

- Choose VNET-ADVERT Sub menu :



- VNET-AD configuration page as below:

A screenshot of the 'VNET-Advert Configuration' page. The top navigation bar is the same as in the previous image. The page title is 'VNET-Advert Configuration'. Below the title, there are several input fields: 'Redir-URL', 'Advert Server Addr', 'Advert Server Port' (with the value '80'), and five 'White List' fields (labeled White List1 through White List4).

4. VNET-AD method of using no authentication server :

- Fill Redir-URL (Redirect page address);

- Don't Advert Server Addr; see the drawing below:

Redir-URL	<input type="text" value="xiaojicity.com/ad/auth.html"/>
Advert Server Addr	<input type="text"/>

- The redirect page must contain a POST form with VNET-Advert protocol, for the details, please check VNET-Advert protocol;
- No authentication server is used, after users finish visiting the redirect page, and submit post form, users can access the internet;

5. The using method of enable authentication server:

- Fill Redir-URL;
- Fill Advert Server Addr (Protocol authentication server address);
- Fill Advert Server Port (Protocol authentication service port); please see the drawing below:

Redir-URL	<input type="text" value="xiaojicity.com/ad/auth.html"/>
Advert Server Addr	<input type="text" value="120.25.57.81"/>
Advert Server Port	<input type="text" value="80"/>

- After enabling authentication server, users must follow the VNET-Advert protocol when accessing the internet;
- After enabling authentication server, if you want to use this machine as a [HTTP server](#), the redirection page must contain a POST form that is in compliance with the VNET-Advert protocol, and the form's submit address is the authentication server, not the machine.

6. The use method of enabling redirection to this machine HTTP service

- Fill Redir-URL (Redirect page address) as this machine IP or this machine domain name;
- Don't fill Advert Server Addr, see the drawing below:

Redir-URL	<input type="text" value="192.168.1.1"/>
Advert Server Addr	<input type="text"/>

Under this configuration, there are two cases, the analysis is as follows:

1) Internet offline state, all DNS requests are intercepted by the kernel (all packets sent to the machine), and resolved 101.12.30.56, then all get HTTP requests sent to the IP are redirected to

the address of the machine (Redir-URL), this redirection by advert - portal in the IP provides Visual HTTP service, then provided by this machine IP nginx HTTP service;

2) Internet connection state, all DNS normal analysis, kernel block forwarding packet (not all packets sent to this machine), to all GET request of HTTP, reply redirection response, all GET requests are also being redirected to this machine (Redir-URL), then HTTP services of this machine provided by nginx;

- In this case, the Advert server will automatically invalid, all requests are pointing to the HTTP service, users can not access the Internet.

7. The use method of stopping the function of VNET-AD advertising

- Don't fill the contents of redir_url column, will automatically disable the VNET-AD function;

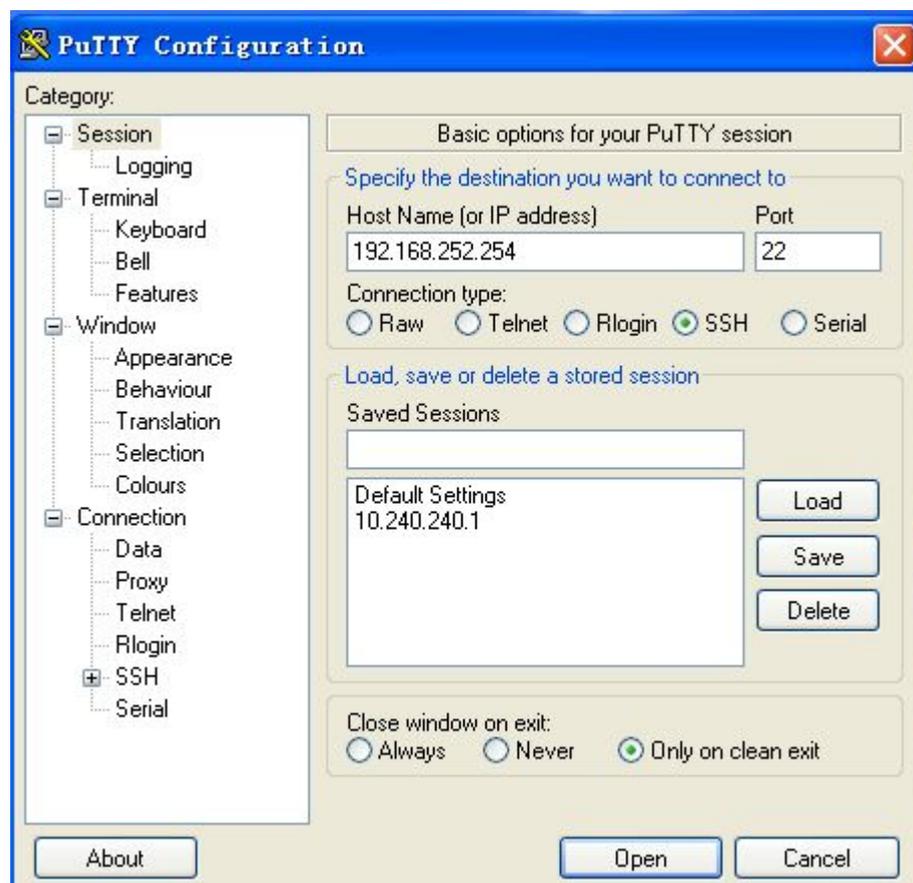
Redir-URL

8. Log in SSH

Use the terminal that supports SSH log in (such as fterm or putty)

Use putty.exe (for example), use #advert stop command to stop VNET-AD function;

- Open putty.exe, input 192.168.252.254;
- In the pop-up interface input account and password are: root.



```
-----  
ATTITUDE ADJUSTMENT  
-----  
* 1/4 oz Vodka      Pour all ingredients into mixing  
* 1/4 oz Gin        tin with ice, strain into glass.  
* 1/4 oz Amaretto  
* 1/4 oz Triple sec  
* 1/4 oz Peach schnapps  
* 1/4 oz Sour mix  
* 1 splash Cranberry juice  
-----  
root@VNET-AD-1:~# uname -a  
Linux VNET-AD-1.4 3.3.8 #94 Sat Nov 14 07:48:13 PST 2015 mips GNU/Linux  
root@VNET-AD-1:~# █
```

- Use Shell command or run VNET-AD Advertisement software
#advert start (Start)
#advert stop (Close)

Forth: VONETS OPENWRT Series Optional Parameter

Parameter Product item	Memory (MB)	Flash(MB)	T card (GB)	Support POE
VOPWRT	128	16	8	No
VOPWRT-1	128	32	8	No
VOPWRT-2	256	32	8	No
VOPWRT-P	64	16	8	Yes
VOPWRT-1P	128	32	8	Yes
VOPWRT-2P	256	32	8	Yes
MINIOP	128	16	8	No
MINIOP-1	128	32	8	No
MINIOP-2	256	32	8	No
MINIOP-P	64	16	8	Yes
MINIOP-1P	128	32	8	Yes
MINIOP-2P	256	32	8	Yes