

# How to configure SSA and WiFi Motion Detection

## Parameters\_2020

VONETS series products since 3.2.20.4.8 and later versions all support SSA\_1.2 version protocol (WiFi signal remote warning) and WiFi motion detection function. The specific configuration and parameters are described below:

1. Login configured web page==>WiFi Scanning

WiFi Hotspots

Select a Wireless Network to connect to. If not found, please click [Refresh List](#), or enter the SSID of the network manually. Then, click [Next](#).

SSID	MAC	Channel	Signal	Band
VONETS_2.4G_DFFA	00:17:13:10:df:fc	11	100(-48dbm)	2.4G
gat	04:95:e6:5c:df:b1	6	86(-56dbm)	2.4G
ChinaNet-I6lj	c8:50:e9:e9:a4:28	1	86(-56dbm)	2.4G
VONETS_2.4G_TEST	00:17:13:00:00:10	5	81(-58dbm)	2.4G
VONETS_2.4G_E8EA	00:17:13:11:e8:ec	7	76(-60dbm)	2.4G
H3C_VONETS_2.4G	48:7a:da:cf:cb:b1	5	76(-60dbm)	2.4G
ChinaNet-CPhM	a0:91:c8:39:4b:38	1	65(-64dbm)	2.4G
VONETS_2.4G_EA46	00:17:13:11:ea:48	7	65(-64dbm)	2.4G

there are 36 wireless network

SSID

[Refresh List](#) [Next](#)

WiFi Hotspots

Security Settings

SSID

Source WiFi hotspot password

Transmission mode  IP layer transparent  MAC layer transparent

The configuration parameters of WiFi repeater security is synchronized with source hotspot

2.4G WiFi Repeater SSID   Disable Hotspot

DHCP Server Settings

DHCP Server  Disable(Recommended configuration)  Enable

[Advanced Setting \( For specific applications only \) >>](#)

**Motion detection parameters[2.4G] <<**

Allows connect to the best hotspot during motion

Signal alarm service address(IP or Domain Name)	10.240.240.152
Signal alarm service port(1--65535,Default 6023)	6023
Motion detection time window(ms,500--2000,Default 2000)	2000
Signal strength alarm threshold (30--90,Default 40)	60
Signal drop threshold (10--100,Default 30)	40
Signal shake(0--20, default 10)	10

If you want to add one more hotspot, please click "Continue Add" button.

To make the new parameters effective, after parameters are configured, please click "Reboot" button.

Continue Add  
To Connect  
Reboot

2. WiFi motion detection, in motion automatically switch to the best hot spot  
 After the configuration as shown below, when the VONETS device is in the motion state, the signal strength of the connected hotspot meets any of the following conditions, the device will automatically switch to the best hotspot:

- a) The signal strength of hotspot is lower than warning threshold
- b) The signal strength drop at the hot spot is greater than the drop threshold

**Motion detection parameters [2.4G] <<**

Allows connect to the best hotspot during motion

Signal alarm service address(IP or Domain Name)	10.240.240.152
Signal alarm service port(1--65535,Default 6023)	6023
Motion detection time window(ms,500--2000,Default 2000)	2000
Signal strength alarm threshold (30--90,Default 40)	60
Signal drop threshold (10--100,Default 30)	40
Signal shake(0--20, default 10)	10

3. Hotspot signal strength warning function (SSA)

After the configuration as shown below, VONETS device will detect the currently connected or connected WiFi hotspot in real time, if the detected hot spot signal strength meets any of the following conditions, the device will automatically send an early warning report to the SSA server using the SSA communication protocol (for details, please refer to the SSA\_1.2 protocol document):

- a) The signal strength of hotspot is lower than warning threshold
- b) The signal strength drop at the hot spot is greater than the drop threshold

Motion detection parameter [2.4G] <<

<input type="checkbox"/> Allows connect to the best hotspot during motion	
Signal alarm service address(IP or Domain Name)	10.240.240.152
Signal alarm service port(1--65535,Default 6023)	6023
Motion detection time window(ms,500--2000,Default 2000)	2000
Signal strength alarm threshold (30--90,Default 40)	60
Signal drop threshold (10--100,Default 30)	40
Signal shake(0--20, default 10)	10

**Please pay attention to the parameters with red circle of 2.4G and 5G are separately, need to be set separately when adding hotspots.**

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