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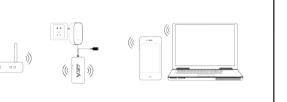
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|            | 传输距离参数         | 收表             |     |
|------------|----------------|----------------|-----|
| 型 号        | 无障碍点对点<br>传输距离 | 传输速率<br>(Mbps) | 频 段 |
| VAP11N-300 | 50m80m         | 300            |     |
| VAP11G-300 | 80m100m        | 300            |     |
| VAP11G-500 | 250m300m       | 300            |     |
| VAP11AC    | 250m300m       | 900            | 5G  |

I. WiFi中继: 比应用中VONETS设备用于拓展已有AP或无线路由器的无线信号覆盖范围 计算机可以通过无线连接到该设备。VONETS设备添加源热点后,它的

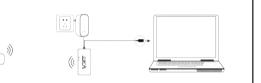
应用方式



# 2. WiFi网桥:

DHCP服务器默认停用。

计算机可以通过有线连接到该设备。VONETS设备添加源热点后,它的



比应用中VOENTS设备实现有线局域网的无线接入功能。计算机可以通过无 WiFi密码: 12345678



VONETS设备接通电源(5V/2A),然后与电脑连接,具体连接方式有以<sup>-</sup> 1) 电脑有线连接VONETS设备的LAN口;



# 2) 电脑无线连接VONETS设备的WiFi信号,它的热点参数如下

WiFi SSID: VONETS \*\*\*\*\*\* (与VONETS设备MAC地址对应)



### 中继+网桥的应用配置(中继与网桥的应用配置方法基本相同) ) 电脑连接上VONFTS设备后,打开电脑浏览器,在地址栏输入配置域名。 http://vonets.cfg(或者IP: 192.168.254.254),然后按下回车键;

← → C http://vonets.cfg

2) 在登录页输入用户名和密码(均为admin),点击"Login"按钮进入配置页



# 3) "WiFi搜索",选中上一级热点,点击"下一步";

NEW TRANSPORT SECURETAL PROMETE LINE (SECURE DELLE)

1) 输入上一级无线热点的密码,点击"提交";(此处的"高级设置"可以不作

更改,若需要了解关于此选项的说明可以到网站www.vonets.com.cn下载文

P层诱传(出厂默认),诱明传输P层的数据,能满足绝大部分的网桥应用;

MAC层透传,可透明传输MAC层(链路层)及MAC层以上的所有数据。

括IP层数据。MAC诱传可以解决一些针对MAC层加密的特殊应用,如GoPro

"WiFi中继安全参数与热点同步"默认勾选,即VONETS中继器的SSID与源热

value of the last of the last

RESIDENCE

档"V系列网桥高级功能说明")

相机,思科AP,海康威视监控系统等;

0 80



成功 WiFi状态灯会快速闪烁。



# 绿灯 以太网线连接状态灯 以太网线连接状态灯 以太网线连接状态灯 5G WiFi连接状态灯 以太网线连接状态灯

VONETS网桥未连接任何热点时、WiFi连接状态灯快闪。 2) VONETS网桥连接热点成功时, WiFi连接状态灯快闪。 3) VONETS网桥连接热点失败时、WiFi连接状态灯慢闪。

1) 在电脑浏览器登录配置页面http://vonets.cfg(或者IP: 192.168.254.254) 用户名和密码均为admin;

LED Light Form

Green Light Yellow Light

5G WiFi connection Ethernet cable

status light status light

connection

Ethernet cable

connection status light

Ethernet cable

connection status light

Ethernet cable

connection status light

VONETS设备作为AP应用时可以不配置,无线终端设备连接VONETS的

热点即可以联网,但为了网络的安全性最好更改它的WiFi名称和密码。

指示灯对应表



# "系统设置"下的"高级设置",选中合适的发射功率后,点击"应用";

THE DESCRIPTION OF DE Dident Charles II V C seasesage

2) 更改WiFi名称:跳转至"WiFi中继"下的"基本设置",在SSID后的文本框

3) 更改WiFi密码:在"WiFi中继"下切换至"WiFi安全",在密钥后的文本框输

eri com aucerspeintes

Revise WiFi name: Jump to "WiFi Repeater"---- "Basic Settings"

-lanet design

Harris Control of the Control of the

The District State of State of

[Miles Phase] [1 4] O and place in Decimal

THE CASE SET Y C SALES IN SEC.

enter new WiFi name in "WiFi Repeater (SSID)", click "Apply";

\$100 the above to have it became

输入新的WiFi名称,点击"应用";

入新的WiFi密码,点击"应用";

Distribution of Consesses GROWING SERVICES. THE RESERVE ) 重启设备:跳转至"系统设置"下的"设备重启",点击"重启",完成后即

> I. 设备已配置了上一级热点的参数, 手机或PC也连接上了设备的WiFi热点, 但仍 NAME NAME NAME ROOM

附录 常见问题解答

 原因1. 设备与上一级WiFi热点距离太远, 使设备与上一级热点的通信性能下 隆、影响用户的上网操作。此时只要话当缩短设备与上一级热点的距离即可

原因3. 用户的手机或PC未配置正确的WiFi密码。

• 原因2. 设备由于意外的操作或掉电. 导致设备参数受损。此时只要对设备进 行恢复出厂参数操作即可: ● 原因3. 设备的WiFi未工作在最佳通道。使其的工作性能变差。此时可以尝试。

- 改变上一级WiFi热点的WiFi通道, 使其与设备的默认通道相同, 并重启设备 设备会自动切换到与上一级WiFi热点相同的通道,从而使设备工作性能最佳; ● 原因4. 设备所外环境的WiFi热点过多, WiFi通道相互干挠, 使设备的工作性

设备进行恢复出厂参数操作即可;

### 如何恢复设备的出厂默认参数?

设备上电开机约60秒后,长按Reset按钮5秒后松开,蓝色指示灯会闪烁厂 F. 然后设备会自动恢复出厂默认参数 (恢复出厂过程大约需要80秒)。

在恢复出厂操作时,产品不能掉电,否则可能会造成产品的损坏。

• 原因3. 浏览器的安全级别过高, 亦会导致以上现象。此时可尝试降低浏览器 VONETS网桥支持固件升级,并且支持在线升级,具体操作请查阅后天网 络网站www.vonets.com.cn相关文档。

设备的WiFi热点有显示,但手机或PC无法连接上设备的热点? 原因1. 设备由于一些意外的操作或掉电, 导致设备参数的破坏。此时只要对

只要关闭防火墙即可

的安全级别 然后面次登录

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS

THIS DEVICE MAY NOT CAUSE INTERFERENCE, AND

AY CAUSE UNDESIRED OPERATION OF THE DEVICE."

PRÉSENT APPAREIL EST CONFORME AUX CNR D'INDUSTRIE CANADA APPLICABLES

C APPAREILS RADIO EXEMPTS DE LICENCE, L'EXPLOITATION EST AUTORISÉE C DELIX CONDITIONS SUIVANTES :

L'APPARETT NEDOTT PAS PRODUTRE DE BROUTLLAGE E L'UTILISATEUR DE L'APPAREIL DOIT ACCEPTER TOUT BROUILLAGE RADIOÉLECTRIQUI

能变差。此时可以尝试改变上一级WiFi热点和本设备的WiFi的通道, 使其工

Appendix Frequently Asked Questions

the product to Damage.

How to reset to the factory default parameters?

Power on the device, after 60 seconds, long press Reset button until 5

automatically reset to the factory default parameters (it will take about

60 seconds to reset the device), during the recovery of the factory

operation, the product can't be powered off, otherwise it may cause

2. Does VONETS bridge support firmware upgrade, how to upgrade?

VONETS bridge supports firmware upgrade, and support online upgrade

Reason 1. Due to some unexpected operation or power down, caused

the destroy of device parameters. At this time, just need to reset the

seconds, the green light will flash a few, then the device will

原因5. 设备的上一级WiFi热点的参数配置错误。此时只要重新配置正确的参



http://www.vonets.com

# Declaration

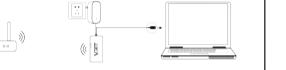


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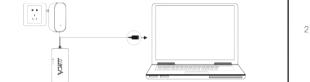
| 供电电源参数表    |        |      |        |  |
|------------|--------|------|--------|--|
| 型 号        | 供电电压范围 | 输入功率 | 典型供电电源 |  |
| VAP11N-300 | DC515V | ≥5W  | 5V/1A  |  |
| VAP11G-300 | DC515V | ≥5W  | 5V/1A  |  |
| VAP11G-500 | DC515V | ≥10W | 5V/2A  |  |
| VAP11AC    | DC515V | ≥10W | 5V/2A  |  |
|            |        |      |        |  |

# DHCP服务器默认停用。

# 此应用中VONETS设备用于拓展已有AP或无线路由器的无线信号覆盖范围



线连接到该设备。VONETS设备成功连接有线局域网后,它的DHCP服务器



点的SSID关联。而且WiFi密码与源热点的密码相同; 若勾选SSID右侧的"禁用热点",则该设备将不会发射对应热点,只能作为网



VAP11N-300

VAP11G-300

VAP11G-500

VAP11AC

Model Blue Light

VAP11N-300 |

VAP11G-300

VAP11G-500

VAP11AC

light will quick flash;

light will slow flash.

status light will guick flash;

died binned

录配置界面,建议使用配置域名: http://vonets.cfg。或者在Windows的句 3.6

行窗口,输入命令: ping vonets.cfg, 获取设备的IP,然后用IP登录配置页。 数并重启设备即可

4) VAP11G-300、VAP11G-500和VAP11AC可更改WiFi发射功率: 跳转至

ARESHALESPE SEEDINGS

4) For model VAP11G-300, VAP11G-500 and VAP11AC, "WiFi Tx Power

can be changed, jump to "System Settings" ---- "Advance Settings",

5) Reboot device, jump to "System Settings"--- "Reboot Device".

the command: ping vonets.cfg, to get the IP address of the device, then

click "Reboot", when it is finished, then it will take effort;

specified that the State of the

choose suitable transmit power, then click "Apply";

2. VONETS网桥能否支持固件升级,如何升级?

● 原因2. 设备的WiFi未工作在最佳通道, 使其的工作性能变差。此时可以尝试

改变上一级WiFi热点和本设备的WiFi的通道, 使其工作性能最佳;

DEVICE COMPLIES WITH INDUSTRY CANADA LICENCE-EXEMPT RSS STANDARD(

) THIS DEVICE MUST ACCEPT ANY INTERFERENCE, INCLUDING INTERFERENCE THAT

. 手机或PC已经用WiFi或网线连接上设备, 但无法登录设备的WEB配置页. 或登

• 原因1. 用户使用的不是VONETS推荐使用的浏览器 (IE、Google Chrome、

● 原因2. 手机或PC安装了防火墙, 设置的安全级别过高, 导致以上现象。此时

原因4. 设备的IP地址输入错误。对于新出厂的设备, 用户只需按说明书输入

正确的IP地址即可;对于已连接了上一级热点的设备,用户只需按《备注1》操

BI, MÊME SI LE BROUILLAGE EST SUSCEPTIBLE D'EN COMPROMETTRE LE

shorten the distance between the device and source WiFi hot

Reason 2. Due to some unexpected operation or power down,

Reason 3. The device WiFi doesn't work at the best channel,

to reset the device to factory default parameters:

caused the destroy of device parameters. At this time, just need

make the performance worse. At this time, you can try to chan

the source WiFi hot spot WiFi channel to make it the same as the

channel mutual interference, make the performance worse. At



使用配置说明书

配置视频

深圳市后天网络通信技术有限公司

http://www.vonets.com.cn 电话:0086-755-26642519/26645879



# Video User Guide

TEL:0086-755-26642519/26645879



Shenzhen HouTian Network Communication Technology Co.,Ltd

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# Quick Setting Guide



### Transmission distance parameters form Communication Technology Co.,Ltd Model No-barrier point to point Transmission rate Band Transmission distance (Mbps) All rights reserved, with retained ownership Without VAP11N-300 50m--80m 300 Shenzhen HouTian Network Communication Technology "Ltd written authorization, any company or personal VAP11G-300 80m--100m an't copy, writer or translation part or all contents.

VAP11AC 250m--300m 900 5G

# Power supply parameter list Power Supply Input Power Typical Power Supply VAP11N-300 DC5--15V ≥5W 5V/1A VAP11G-300 DC5--15V ≥5W 5V/1A VAP11G-500 DC5--15V ≥10W 5V/2A VAP11AC DC5--15V ≥10W 5V/2A

# VAP11G-500 250m--300m

2. WiFi Bridge:

# 

# n this application, VONETS devices are used to extend the wireless signal coverage of existing AP or wireless router. The computer can connect to the device wired. After the VONETS device adds a source





### this application, VONETS devices are used to extend the wireless signal coverage of existing AP or wireless router. The computer can connect to the device wirelessly. After the VONETS device adds a source hotspot, its DHCP server is disable by default.

notspot, its DHCP server is disable by default.



# Application Method



VONETS device is powered on (5V/2A) and then connected to the computer. There are two connection ways to do this:



### n this application, VOENTS device implements the wireless access unction of the wired LAN. The computer can connect to the device wirelessly. After VONETS device successfully connects to the wired LAI ts DHCP server is disable by default.

# 

# 1. Connect Device

1) The computer is wired connected to the LAN port of VONETS device

# ← C | http://wonets.cfg

### as below: WiFi SSID: VONETS \*\*\*\*\*\* (Corresponds to the MAC address of the VONETS device)

# 

 After the computer is connected to VONETS device, open Browser. input configured page: http://vonets.cfg (or IP: 192.168.254.254), then oress Enter:



2) The computer is connected to WiFi signal of VONETS device, its



# The application configuration of Repeater + bridge (The application configuration method of repeater & bridge is basically the same).

# MAC layer encryption, such as GoPro camera, Cisco AP, Hikvision monitoring system, etc. The option "The configuration parameters of WiFi repeater security is

0 100

Product Instruction Guide").

"Scan Hotspots", choose the source hotspots, click "Next":



4) Input "Source wireless hotspot password", click "Apply"; (The "Advanced Setting" here can be kept unchanged, for instructions on th option, go to www.vonets.com and download the "VONETS Series"

IP layer transparent transmission (factory default), transparent transmission of IP layer data, can meet most of WiFi bridge applications MAC layer transparent transmission, transparent transmission of all data above the MAC layer (link layer) and MAC layer, including IP layer data. MAC transparent transmission can solve some special applications for

ynchronized with source hotspot" is default ticked, it means The SSID

of the VONETS repeater is associated with the SSID of the source

hotspot, and the WiFi password is the same as the password of the

### you select "Disable hotspot" on the right side of the SSID, the device will not transmit the corresponding hotspot and can only be used as a

source hotspot;



to lode to percent between partitions of the processing day options of the processing and processing the percent partition of the percentage and processing the percentage and processing the percentage and percentage ) Click "Reboot", VONETS device will connect to the configured WiFi notspot automatically, if connection is successfully, the WiFi LED light vill quick flash;

SAN SHEET STREET, STRE

er bever # posterbensente techspetter. II beite

# 3. The application configuration of AP VONETS device can be configured as an AP application. The wireless

password is "admin":

### terminal device can connect to VONETS hotspot to connect to the network; however, it is best to change its WiFi name and password for network security.

# ) Log in to the configuration page http://vonets.cfg (or IP: 192.168.254.254) in your computer browser, both user name and

VONETS bridge is not connected to any hotspot, WiFi connection status

VONETS bridge is connected to hotspot successfully, WiFi connection

3) VONETS bridge is connected to hotspot failed, WiFi connection status

 Revise WiFi password, in "WiFi Repeater" ---- "WiFi Security", enter new WiFi password in "Pass Phrase", click "Apply"; and the same of the same of the same

11-11-11

100

Remark 1: When VONETS Bridge connect to external network, the IP address of the device will change. At this time, when log in configured page, we suggest you enter configured domain name: http://vonets.cfg. Or in Windows command window, enter

log in configuration page with this IP.

# still doesn't get internet?

the smart phone or PC has connected to the device WiFi hot spot, but • First, check the status light to know the current state of the device,

too long, cause the communication performance degradation, finally

effect the user's access to the Internet. At this time, just need

# level is set too high, caused the above problem. At this time, only need o close the firewall

- Reason 3. The security level of browser is too high, it will also cause

- Reason 4. The IP address of the device input error. For the new device from the factory, user only need input the correct IP address according to the instruction guide; for the device that has connected the source hot spot, user only operate according to<Remark 1>.

# security level, then log in again

### default channel of the device, then reboot the device, the device will automatically exchange to the same channel as the source WiFi hotspot, to make the performance better; Reason 4. There are several WiFi hot spot around the device, Wi

parameters then reboot the device;

snot to solve this problem:

### please visit website: www.vonets.com to refer to the related documents. time, you can try to change the source WiFi hot spot and this device WiFi channel to make the performance better; The device WiFi hot spot can be found, but the smart phone or PC Reason 5. The configured source WiFi hot spot parameters are can't connect to this device hotspot? not correct. At this time, just need to configure the correct

### device to factory default parameters; The smart phone or PC has been connected the device by WiFi or • Reason 2. The device WiFi doesn't work at the best channel, make the Ethernet cable, but user can't log in the device WEB page, or after performance worse. At this time, you can try to change the source Wil log in the WEB it shows error? hot spot and this device WiFi channel to make the performance better

 Reason 1. The users don't use the browser recommended by Reason 3. The smart phone or PC haven't configured the correct WiFi VONETS(IE, Google Chrome, Safari, the mobile phone browser); • Reason 2. The smart phone or PC installed the firewall, the security

# . The device has been configured the source WiFi hot spot parameters,

then according to the state of the device to analyze the fault reasons Reason 1. The distance between the device and source WiFi hot spot in

the above problem. At this time, just need to reduce the browser's

### **FCC STATEMENT:**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

**Warning:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

## **FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.