Vonets VAP11AC

VONETS VAP11AC Dual Band AC1200 Wireless Bridge Repeater Mini Router User Manual

Model: VAP11AC

This manual provides comprehensive instructions for the VONETS VAP11AC device.

1. INTRODUCTION

The VONETS VAP11AC is a versatile dual-band AC1200 wireless device designed to function as a WiFi Bridge, Repeater, Mini Router, WiFi to RJ45 Ethernet Adapter, and WiFi Hotspot Signal Extender. It supports both 2.4GHz and 5GHz wireless frequencies, offering a combined theoretical data transfer rate of up to 1200Mbps. This device is equipped with a smart cooling fan for stable operation and includes a 12V/1A power supply adapter.

This manual will guide you through the setup, configuration, and operation of your VAP11AC device to ensure optimal performance in various networking scenarios.

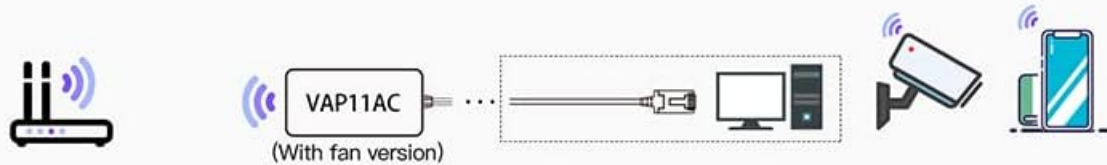Figure 1.1: VONETS VAP11AC device with included accessories.

2. PRODUCT FEATURES

- **Dual Band Wireless:** Supports 2.4GHz (300Mbps) and 5GHz (900Mbps) for a total of 1200Mbps theoretical speed.

- **Multiple Operating Modes:** Functions as a WiFi Router, WiFi Signal Repeater, WiFi AP Hotspot, and WiFi Bridge.

- **Ethernet Connectivity:** Features one 10/100Mbps adaptive Ethernet port for wired connections.

- **Smart Cooling Fan:** Integrated fan for automatic heat dissipation, enhancing device stability.

- **Wide Voltage Power Input:** Operates on DC5V-24V (typical 12V/1A), with a 12V/1A power supply included.

- **Compact Design:** Mini industrial design suitable for various environments.

- **Signal Strength Detection (SSA):** Supports reporting of signal strength.

- **Memory Hotspot Function:** Automatically connects to up to 100 remembered hotspots.

Repeater/Bridge Application

Expand existing WiFi network, easily realize network expansion, and convert WiFi to RJ45 network cable, connect a computer and attendance machine to the network, and used for desktop computers, printers, surveillance videos, attendance machines, etc.

VAP11AC
(With fan version)

AP Application

AP application implements wireless access function of wired network Suit for the scene where the network cable is connected to the computer and can access the Internet without dialing.

VAP11AC
(With fan version)

Router Mode

Routing mode implements wireless access function for dial–up access

Suitable for scenes that require dial–up access
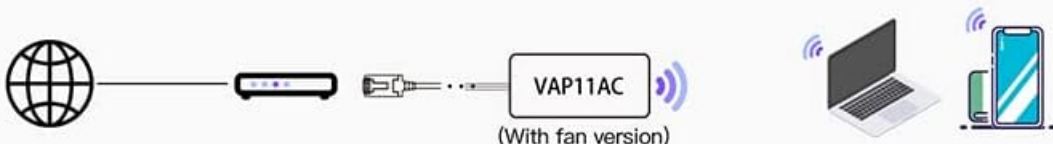
VAP11AC
(With fan version)

Figure 2.1: VAP11AC highlighting its dual-band 1200Mbps capabilities.

3. SETUP GUIDE

3.1 Package Contents

Before proceeding, ensure all items are present:

- VONETS VAP11AC Device

- 12V/1A Power Supply Adapter

- Ethernet Cable (approx. 30cm with RJ45 connector)

- Power Cable (approx. 30cm with DC and USB ports)

3.2 Initial Connection

1. Connect the power cable to the VAP11AC device's DC port.

2. Plug the 12V/1A power adapter into a power outlet and connect it to the power cable.

3. Wait for the device to power on. The LED indicators will illuminate.

4. For initial configuration, connect your computer to the VAP11AC device using the provided Ethernet cable. Alternatively, you can connect wirelessly to the VAP11AC's default WiFi network (SSID and password typically found on the device label or in the quick start guide).

3.3 Web Interface Access

1. Open a web browser on your connected computer.

2. Enter the default IP address (e.g., 192.168.254.254) into the address bar and press Enter.

3. Log in using the default username and password (refer to the device label or quick start guide for credentials).

4. Once logged in, you can configure the device's operating mode and network settings.

Figure 3.1: VAP11AC with power and Ethernet connections.

4. OPERATING MODES

The VAP11AC supports several operating modes to suit different networking requirements.

4.1 WiFi Bridge Mode

In Bridge mode, the VAP11AC converts a WiFi signal into a wired Ethernet connection. This is ideal for devices that only have an Ethernet port but need to connect to a wireless network, such as desktop computers, network printers, surveillance cameras, or DVRs.

1. Access the web interface and select Bridge mode.
2. Scan for available WiFi networks and select your desired network.
3. Enter the WiFi password if required.
4. Connect your wired device to the VAP11AC's Ethernet port.

Figure 4.1: VAP11AC in WiFi Bridge mode.

4.2 WiFi Repeater Mode

Repeater mode extends the coverage of an existing WiFi network. The VAP11AC receives the wireless signal from your main router and re-broadcasts it, eliminating dead zones and improving signal strength in areas with weak coverage.

1. Access the web interface and select Repeater mode.
2. Scan for available WiFi networks and select the network you wish to extend.
3. Enter the WiFi password. The VAP11AC will then extend this network.

Figure 4.2: VAP11AC in WiFi Repeater mode and AP application.

4.3 WiFi Router Mode

In Router mode, the VAP11AC acts as a primary router, creating a new wireless network. This is suitable for scenarios where you have a wired internet connection (e.g., from a modem) and need to share it wirelessly with multiple devices.

1. Access the web interface and select Router mode.

2. Configure WAN settings (e.g., DHCP, Static IP, PPPoE) based on your internet service provider.

3. Set up your new WiFi network's SSID and password.

4. Connect your modem's Ethernet cable to the VAP11AC's Ethernet port.

Figure 4.3: VAP11AC in WiFi Router mode.

4.4 AP (Access Point) Mode

AP mode allows the VAP11AC to create a wireless network from an existing wired network. This is useful for adding WiFi capabilities to a wired-only network, such as in hotel rooms or offices.

1. Access the web interface and select AP mode.

2. Configure the SSID and password for the new wireless network.

3. Connect the VAP11AC's Ethernet port to your wired network.

WiFi Repeater

Easily extend wireless coverage with VAP11AC(With fan version), simple setup for wireless connectivity between two wireless devices

AP Application

Easily implement wireless access to wired networks using VAP11AC (With fan version)

Compound signal extension

Suit for the housing is too large, a single wireless signal device can not be fully covered, using VAP11AC(With fan version) can effectively solve
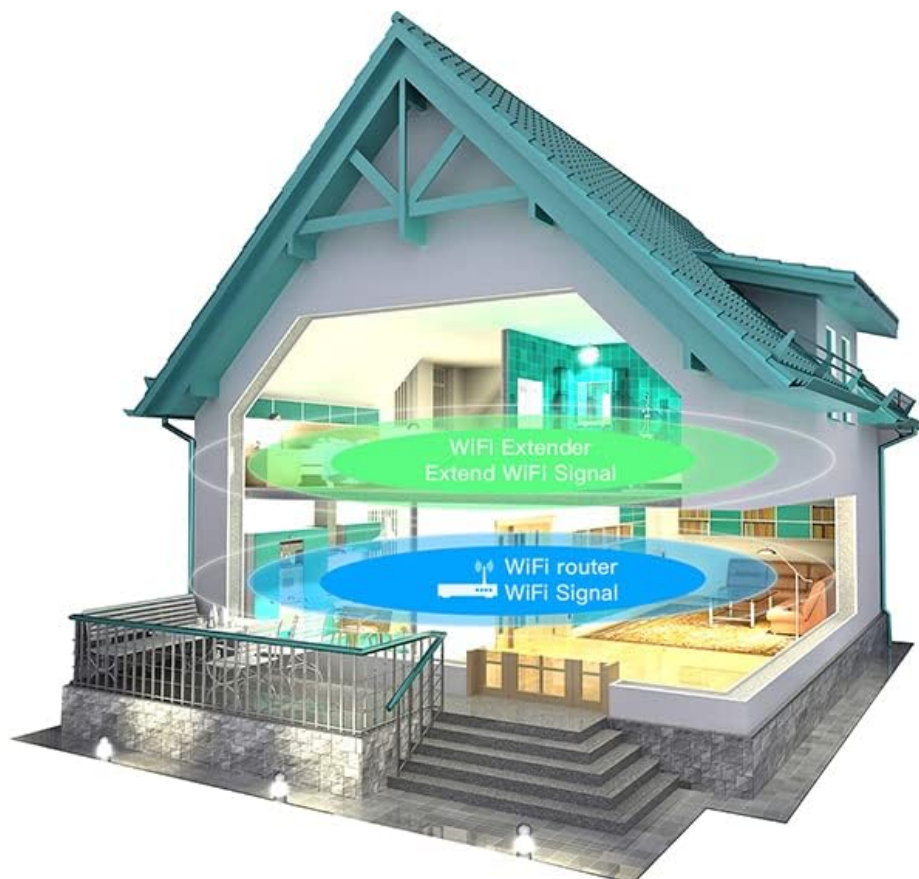
Figure 4.4: Overview of VAP11AC application modes.

5. MAINTENANCE

5.1 Smart Cooling Fan

The VAP11AC features a smart cooling fan designed to activate automatically after 5-10 minutes of normal operation to dissipate heat and ensure stable performance. The fan will also automatically shut down when cooling is no longer required.

This fan function can be configured manually via the web interface, allowing you to disable it, set it to automatic control, or periodic automatic control.

Figure 5.1: VAP11AC with smart cooling fan in operation.

5.2 General Care

- Keep the device in a well-ventilated area to assist with heat dissipation.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Clean the device periodically with a soft, dry cloth. Do not use liquid cleaners.
- Ensure all cables are securely connected.

6. TROUBLESHOOTING

6.1 Device Not Powering On

- Verify the power adapter is correctly connected to the device and a working power outlet.

- Ensure the power adapter is the correct 12V/1A type provided with the device.

6.2 Unable to Access Web Interface

- Confirm your computer is connected to the VAP11AC via Ethernet or its default WiFi network.

- Ensure your computer's IP settings are configured to obtain an IP address automatically (DHCP).

- Double-check the default IP address (192.168.254.254) in your browser.

- Try clearing your browser's cache or using a different browser.

- If you have changed the device's IP address and forgotten it, perform a factory reset (see 6.5 Factory Reset).

6.3 No Internet Connection

- In Repeater or Bridge mode, ensure the VAP11AC is successfully connected to your main router's WiFi network and the password is correct.

- In Router mode, verify your WAN settings are correctly configured for your internet service provider.

- Check the status of your main router or modem.

6.4 Overheating Concerns

While the VAP11AC has a smart cooling fan, some users have reported the device becoming warm during extended use. Ensure the device is placed in an area with adequate airflow and that the fan vents are not obstructed. If overheating persists, consider adjusting the fan settings in the web interface or contacting support.

6.5 Factory Reset

To restore the device to its factory default settings:

1. With the device powered on, locate the Reset button (usually a small pinhole).

2. Use a paperclip or similar pointed object to press and hold the Reset button for approximately 5-10 seconds.

3. Release the button when the device's lights flash or it reboots.

4. The device will restart with factory default settings. You will need to reconfigure it.

7. SPECIFICATIONS

Device with fan for fast heat dissipation More stable operation

Smart automatic start and stop of cooling fan

After 5–10 minutes of normal operation, the fan cooling function will be automatically turned on, and the mini wireless bridge for smart automatic startup and shutdown of the cooling fan

Note: This fan function can be set manually: disable/automatic control/periodic automatic control

Figure 7.1: VAP11AC product specification overview.

Feature	Detail
Product Name	VAP11AC (With fan version)
WiFi Function	Router/Repeater/Bridge
WiFi Band	2.4GHz/5.8GHz (5GHz)
WiFi Protocol	802.11a/b/g/n/ac
Transmission Rate	300Mbps (2.4GHz) + 900Mbps (5GHz)
Work Voltage	5V-24V (Typical 12V/1A)
Color	White

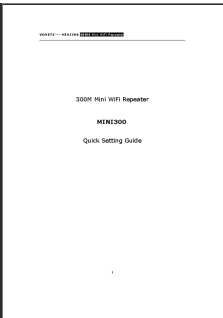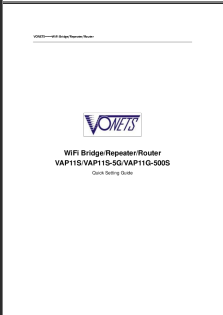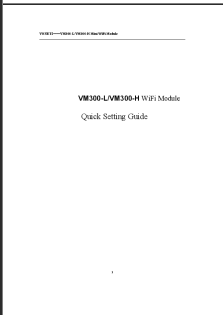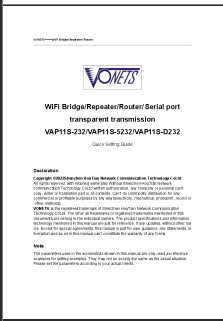| Feature	Detail
Device Dimensions	93 x 45 x 24 mm (3.7 x 1.77 x 0.59 inches)
Item Weight	4.2 ounces (78.8g)
Ethernet Port	1 x 10/100Mbps adaptive Ethernet port
Special Features	WiFi Hotspot Extender, WiFi to Ethernet Adapter, Wireless to Wired, Smart Cooling Fan

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official VONETS website or contact your retailer. Keep your purchase receipt for warranty claims.

Official VONETS Website: www.vonets.com (Note: This is a placeholder link, please verify the actual support website.)
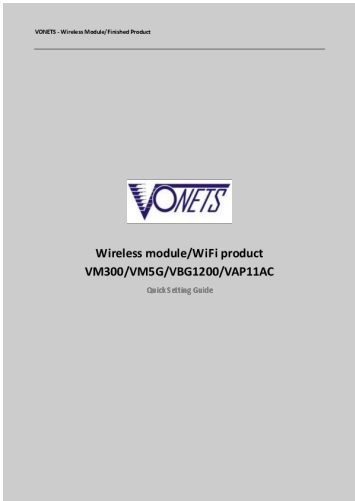
Related Documents - VAP11AC

	VONETS WiFi Bridge/Repeater - Przewodnik Szybkiej Konfiguracji Szczegółowy przewodnik konfiguracji urządzenia VONETS WiFi Bridge/Repeater, opisujący tryby pracy (Repeater, Bridge, AP), podłączanie, ustawienia sieciowe, konfigurację punktu dostępu oraz często zadawane pytania. Zawiera również informacje o certyfikacji zgodności CE.
	VONETS WiFi Bridge/Repeater Quick Setting Guide A quick guide to setting up and configuring VONETS WiFi Bridge and Repeater devices, including application methods and troubleshooting.

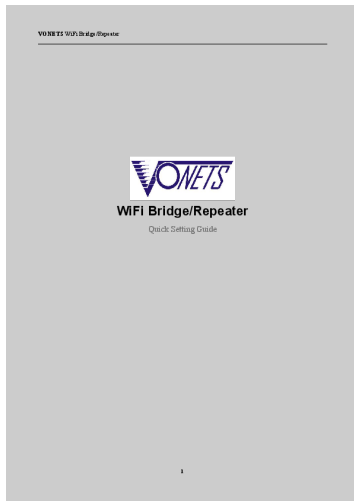|	
300M Mini WiFi Repeater MINI300 Quick Setting Guide	[VONETS MINI300 300M WiFi Repeater Quick Setting Guide](#) A concise guide to setting up the VONETS MINI300 300M Mini WiFi Repeater, covering its functions as a WiFi Repeater and Intelligent WiFi Bridge, with step-by-step instructions for wireless configuration.
WiFi Bridge/Repeater/Router VAP11S/VAP11S-5G/VAP11G-500S Quick Setting Guide	[VONETS WiFi Bridge/Repeater/Router VAP11S/VAP11S-5G/VAP11G-500S Quick Setting Guide](#) Quick setting guide for VONETS VAP11S, VAP11S-5G, and VAP11G-500S WiFi Bridge, Repeater, and Router devices. Learn how to configure modes, network settings, and installation.
VM300-L/VM300-H WiFi Module Quick Setting Guide	[VONETS VM300-L/VM300-H WiFi Module Quick Setting Guide](#) A comprehensive guide to setting up and configuring the VONETS VM300-L and VM300-H WiFi modules in Bridge+Repeater and Router modes, including WAN port settings and troubleshooting.
WiFi Bridge/Repeater/Router/Serial port transparent transmission VAP11S-232/VAP11S-5232/VAP11S-D232 Quick Setting Guide	[VONETS VAP11S Series WiFi Bridge/Repeater/Router & Serial Port Guide](#) This Quick Setting Guide from VONETS details the VAP11S series WiFi Bridge, Repeater, and Router devices (models VAP11S-232, VAP11S-5232, VAP11S-D232). It covers setup, configuration for various modes including serial port transparent transmission, and troubleshooting, designed for enhanced network connectivity.

Documents - Vonets – VAP11AC

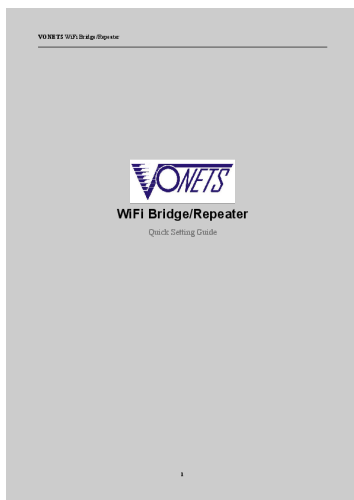|	
Wireless module/WiFi product VM300/VM5G/VBG1200/VAP11AC Quick Setting Guide	[pdf] User Manual Specifications Guide Decleration of Conformity Configuration Guide Warranty Administrator Wireless module WiFi product VM300 VM5G VBG1200 VAP11AC VAP11ACQuick Configuration Guide vonets ||| VONETS - Wireless Module/Finished Product Wireless module/WiFi product VM300/VM5G/VBG1200/**VAP11AC** Quick Setting Guide VONETS - Wireless Module/Finished Product Declaration Copyright 2023 Shenzhen HouTian Network Communication Technology Co.,Ltd All rights reserved, with retained ownership Withou... lang:en score:56 filesize: 1.82 M page_count: 23 document date: 2023-02-08

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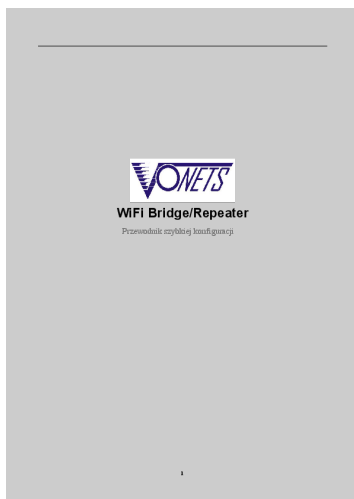lang:en score:51 filesize: 894.71 K page_count: 10 document date: 2018-11-16

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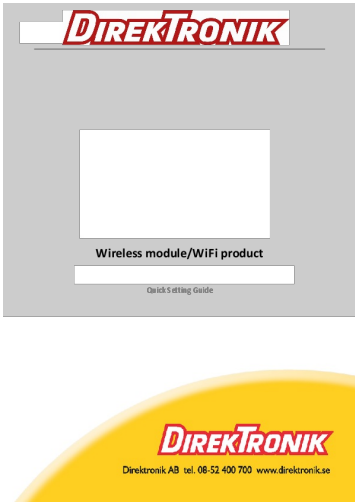lang:en score:45 filesize: 894.71 K page_count: 10 document date: 2018-11-16

VONETS WiFi Bridge/Repeater - Przewodnik Szybkiej Konfiguracji
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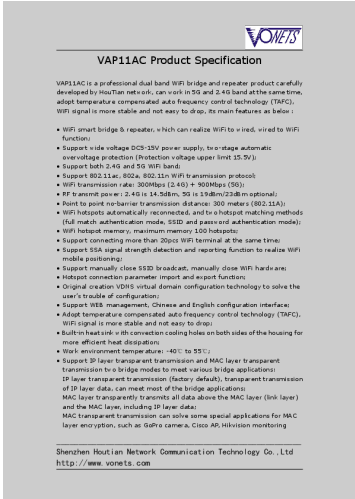lang:en score:38 filesize: 1.77 M page_count: 23 document date: 2025-02-14

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Manufacturer: Shenzhen Houtian NetworkCommunication Technology Co ,Ltd Add: Floor 3,Building B, No.29, LongfengRoad, longgang District, Shenzhen City.Guangdong Province Email:support Vonets.com Brand: VONETS Model: **VAP11AC** Batch No: 202406 Country of Origin: China EC UK eVatmaster Consulting GmbH ...

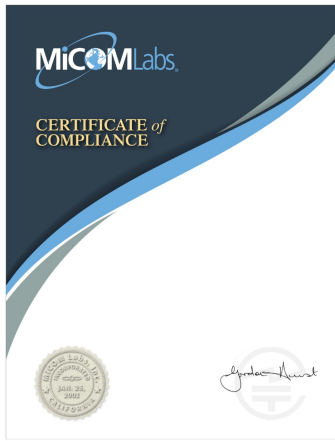lang:it score:33 filesize: 157.39 K page_count: 1 document date: 2024-08-29

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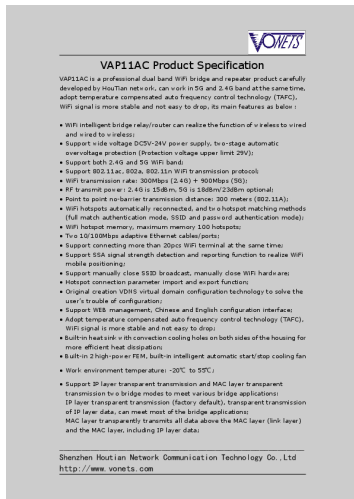lang:en score:31 filesize: 322.58 K page_count: 7 document date: 2021-07-01

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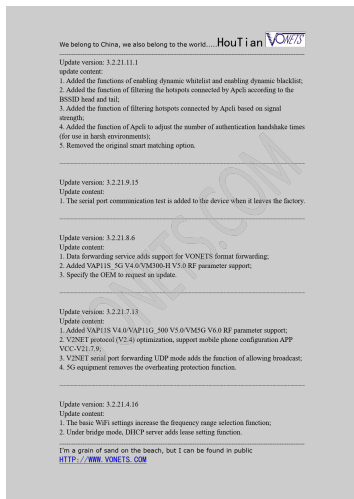lang:en score:29 filesize: 636.56 K page_count: 3 document date: 0000-00-00

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