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› [VENTION AC600 USB WiFi Bluetooth 5.0 Adapter KDU User Manual](#)

VENTION KDU

VENTION AC600 USB WiFi Bluetooth 5.0 Adapter KDU User Manual

Model: KDU

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your VENTION AC600 USB WiFi Bluetooth 5.0 Adapter, Model KDU. This device is designed to provide wireless network and Bluetooth connectivity for your desktop or laptop computer.

2. PRODUCT OVERVIEW

2.1 Package Contents

- VENTION AC600 USB WiFi Bluetooth 5.0 Adapter (Model KDU)
- User Manual (this document)
- Driver CD (for systems requiring manual driver installation)

2.2 Key Features

- **Bluetooth 5.0 Connectivity:** Enables wireless connection to Bluetooth-enabled devices.
- **AC600 Dual-Band Wi-Fi:** Supports 802.11ac standard for fast and stable wireless internet.
- **6dBi High-Gain Antenna:** Enhances signal reception and transmission range.
- **Dual-Mode Operation:** Functions as both a Wi-Fi adapter and a Bluetooth adapter.
- **Wide Compatibility:** Supports Windows XP/7/8/8.1/10/11 operating systems.
- **Easy Installation:** Plug and play for most modern Windows systems.

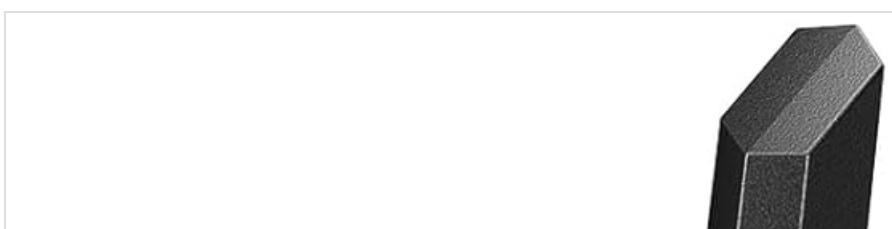




Image: The VENTION AC600 USB WiFi Bluetooth 5.0 Adapter, featuring a compact USB design with an attached 6dBi high-gain antenna for enhanced wireless performance.

3. SETUP AND INSTALLATION

3.1 System Requirements

- Operating System: Windows XP, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11.
- Available USB 2.0 port or higher.
- Not compatible with macOS or Linux operating systems.



The chart illustrates the supported Windows operating systems for the VENTION AC600 USB WiFi Bluetooth 5.0 Adapter. It shows compatibility across Windows 11, 10, 8.1, 8, 7, and XP, detailing the required external antenna and driver installation methods for each.

	External Antenna & Bluetooth Type				External Antenna Type
Function	Wi-Fi	Bluetooth 5.0		Wi-Fi	
Systems	Windows 7/8/8.1/10/11	Windows 7	Windows 8/8.1/10/11	Windows XP 7/8/8.1/10/11	
Driver	Easy Setup		Driver CD/Driver Download	Plug & Play	Easy Setup

Image: A compatibility chart illustrating supported Windows operating systems for Wi-Fi and Bluetooth functions, along with driver installation methods.

3.2 Driver Installation

1. **Plug and Play:** For most Windows 10 and Windows 11 systems, the adapter may be recognized

AP MODE

Create A WiFi Hotspot for Sharing



STATION MODE

Search for WiFi Signal to Connect



Image: Illustrations of the adapter operating in AP Mode (creating a Wi-Fi hotspot) and Station Mode (connecting to an existing Wi-Fi network).

4.2 Bluetooth Connection

1. Ensure the VENTION AC600 adapter is plugged into your computer and Bluetooth drivers are installed.
2. Go to your computer's Bluetooth settings (e.g., "Bluetooth & other devices" in Windows Settings).
3. Turn on Bluetooth.
4. Put your Bluetooth device (e.g., headphones, mouse, keyboard) into pairing mode.
5. Click "Add Bluetooth or other device" on your computer and select "Bluetooth".
6. Choose your device from the list and follow any on-screen prompts to complete the pairing process.

7 DEVICES CONNECTED SIMULTANEOUSLY

Support multiple bluetooth devices to connect at the same time with equal stable and smooth signal.



Note: Only supporting devices with Bluetooth.

Image: A visual representation of the adapter supporting simultaneous connections with up to seven Bluetooth devices, such as headphones, mice, and keyboards.

5. PERFORMANCE AND SECURITY

5.1 Enhanced Range and Stability

The integrated 6dBi high-gain antenna significantly improves wireless signal reception and transmission. This allows for a wider coverage area and more stable connections, even through walls and over longer distances, compared to standard internal network cards.

STRONG & STABLE WIFI CONNECTION

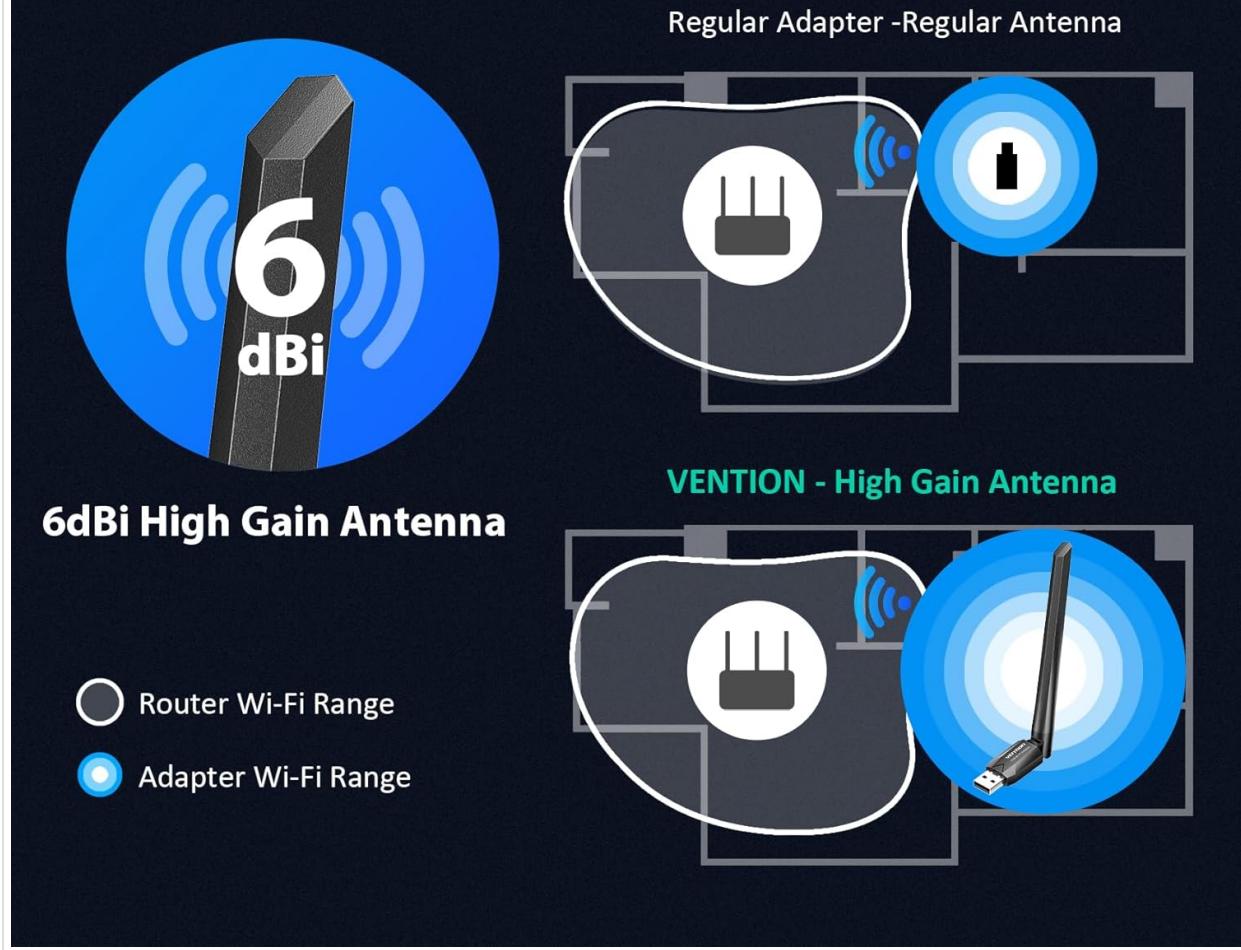


Image: A diagram comparing the Wi-Fi signal range and penetration of a regular adapter with a standard antenna versus the VENTION adapter with its 6dBi high-gain antenna, demonstrating increased coverage.

5.2 Data Transfer Rates

The adapter supports the Wi-Fi 5 (802.11ac) standard, offering superior data transfer speeds:

- **2.4 GHz Band:** Up to 200 Mbps, providing strong penetration and long transmission distance.
- **5 GHz Band:** Up to 433 Mbps, offering larger bandwidth, less interference, and lower latency, ideal for streaming and gaming.

SMOOTH LAG-FREE CONNECTIONS

Adapting the Wi-Fi 5 technology, data transfer rates on the LAN is faster and more stable in any situation.

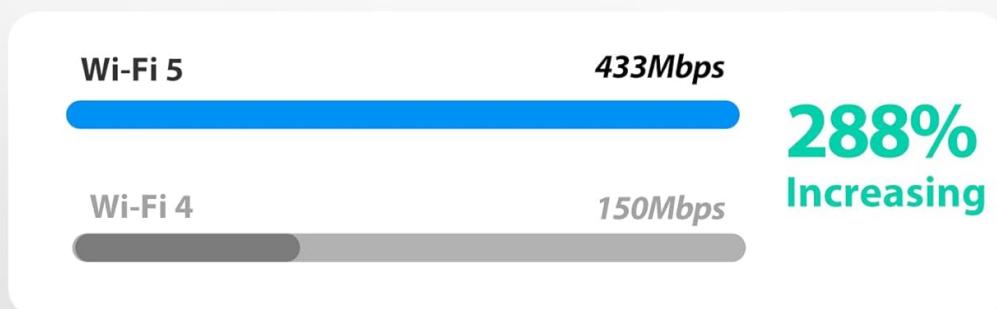


Image: A graphic illustrating the speed increase from Wi-Fi 4 to Wi-Fi 5, showing the VENTION adapter's capability for smooth, lag-free connections with an indicator light for operational status.

5.3 Security Protocols

The VENTION AC600 adapter supports multiple encryption and security protocols to protect your personal data and network integrity. These include:

- WPE
- WPA/WPA2
- WPA-PSK/WPA2-PSK
- MU-MIMO

SECURE YOUR PERSONAL DATA



Image: Icons representing various security features supported by the adapter, such as anti-hijacking, anti-hacking, anti-decryption, anti-information leak, anti-Wi-Fi freeloader, and anti-attack.

6. TROUBLESHOOTING

- **No Wi-Fi or Bluetooth connection:**

- Ensure the adapter is securely plugged into a USB port.
- Verify that the correct drivers are installed. Check Device Manager for any error symbols next to the network or Bluetooth adapters.
- Restart your computer.
- Try a different USB port.

- **Slow Wi-Fi speed:**

- Ensure you are connected to the 5 GHz band if your router supports it, as it generally offers faster speeds and less interference.
- Reduce the distance between the adapter and your Wi-Fi router.
- Minimize physical obstructions (walls, large metal objects) between the adapter and the router.
- Check for other devices causing interference on the same frequency band.

- **Bluetooth device not pairing:**

- Ensure your Bluetooth device is in pairing mode.
- Verify that Bluetooth is enabled on your computer.
- Remove any previously paired instances of the device from your computer's Bluetooth settings and attempt to pair again.
- Ensure the device is within range of the adapter.

- **Adapter not recognized:**

- Reinstall the drivers from the provided CD or VENTION's official website.
- Ensure your operating system is supported (Windows XP/7/8/8.1/10/11).

7. SPECIFICATIONS

Brand	VENTION
Model	KDU
Hardware Interface	Bluetooth 5, USB 2.0
Data Transfer Rate	433 Mbps (Wi-Fi)
Data Link Protocol	IEEE 802.11ac, IEEE 802.11b, IEEE 802.11a, IEEE 802.11n
Operating System Compatibility	Windows XP, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11
Compatible Devices	Desktop, Laptop
Antenna Gain	6dBi
Product Dimensions	19 x 11 x 1 cm; 60 g
Color	Black
Country of Origin	China

8. MAINTENANCE

- Keep the adapter clean and free from dust.
- Avoid exposing the adapter to extreme temperatures or humidity.
- Do not attempt to disassemble or repair the adapter yourself, as this will void the warranty.
- Ensure the antenna is not bent or damaged, as this can affect signal performance.

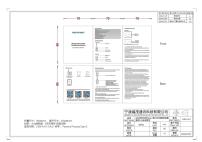
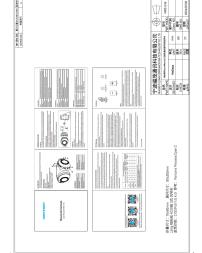
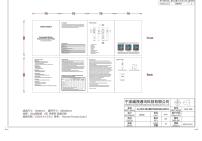
9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official VENTION website or contact VENTION customer service. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: VENTION

Contact: Refer to VENTION's official support channels for assistance.

Related Documents - KDU

	<p><u>Vention USB Bluetooth 5.1 Adapter Black Mini Type User Manual</u></p> <p>User manual for the Vention USB Bluetooth 5.1 Adapter, Black Mini Type (Model: NAFBO). Includes product parameters, how it works, driver installation steps, FCC warning, and notes on usage.</p>
	<p><u>Vention ADO Wireless USB-C to HDMI Transmitter and Receiver (VWS-G47) User Guide</u></p> <p>Comprehensive guide for the Vention ADO Wireless USB-C to HDMI Transmitter and Receiver (Model: VWS-G47), detailing its features, setup, and usage for seamless wireless display connectivity.</p>
	<p><u>VENTION NBB Bluetooth Earbuds User Manual and Specifications</u></p> <p>Comprehensive user manual for VENTION NBB Bluetooth Earbuds (Model VWS-E45), covering specifications, controls, safety, and package contents. Includes FCC compliance information.</p>
	<p><u>Vention Laser Presentation Clicker User Manual VWS-H86</u></p> <p>User manual for the Vention Laser Presentation Clicker, model VWS-H86. This device offers laser pointer functionality, wireless slide navigation, and air mouse control for presentations. Includes specifications, instructions for use, safety warnings, and FCC compliance information.</p>
	<p><u>Vention OpenBeat 012 Open Ear Headphones User Manual</u></p> <p>User manual for Vention OpenBeat 012 Open Ear Headphones (Model V1, VWS-F96), detailing features, specifications, product overview, packaging, instructions for power on/off, pairing, calls, music control, voice assistant, indicator lights, data reset, safety warnings, and FCC compliance.</p>
	<p><u>Vention Rechargeable Wireless Presenter with Green Laser Pointer - User Manual VWS-G65</u></p> <p>User manual for the Vention Rechargeable Wireless Presenter with Green Laser Pointer (Model VWS-G65). Features 2.4G technology, USB-C charging, and multiple presentation control functions.</p>