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› WONLINK AX900 NA1605 2-in-1 USB WiFi 6 and Bluetooth 5.3 Adapter User Manual

WONLINK AX900 NA1605

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Model: AX900 NA1605 | Brand: WONLINK

1. INTRODUCTION

Welcome to the user manual for your WONLINK AX900 NA1605 2-in-1 USB WiFi 6 and Bluetooth 5.3 Adapter. This device provides high-speed wireless internet connectivity and Bluetooth functionality for your desktop or laptop PC. This manual will guide you through the installation, operation, and troubleshooting of your adapter, ensuring optimal performance and a seamless user experience.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x WONLINK AX900 NA1605 USB WiFi 6 and Bluetooth 5.3 Adapter
- 1 x Operation Instructions Manual

3. PRODUCT OVERVIEW

The WONLINK AX900 NA1605 is a compact USB adapter designed to provide both WiFi 6 (802.11ax) and Bluetooth 5.3 connectivity to your computer. It supports dual-band operation (2.4GHz and 5GHz) for flexible and high-speed wireless networking, along with advanced Bluetooth capabilities for connecting various peripherals.



Image 3.1: The WONLINK AX900 NA1605 USB Adapter with its protective cap removed, showcasing its compact design and



Image 3.2: Visual representation of the dual-band capabilities of the AX900 WiFi 6 adapter, highlighting speeds of 600Mbps on 5GHz and 287Mbps on 2.4GHz, compared to an AC650 WiFi 5 adapter.

4. SYSTEM REQUIREMENTS

To ensure proper functionality, your computer must meet the following requirements:

- Operating System: Windows 10 or Windows 11
- Available USB 2.0 or 3.0 port



Image 4.1: The adapter is shown connected to a desktop PC and a laptop, illustrating its compatibility exclusively with Windows 10 and Windows 11 operating systems.

5. INSTALLATION GUIDE

The WONLINK AX900 NA1605 adapter features a built-in driver for convenient plug-and-play installation on Windows 10/11. Follow these steps to install the adapter:

1. **Insert the Adapter:** Plug the USB WiFi adapter into an available USB port on your PC.
2. **Run Driver Installer:** On Windows 10/11, a notification may appear prompting you to run the built-in driver installer. Click on the notification or open "My Computer" (or "This PC"), locate the "USB Drive" disk (which represents the adapter's built-in driver storage), and double-click "WiFiAutoinstall.exe" to start the installation. Follow the on-screen prompts to complete the driver installation.
3. **Restart Computer:** After the installation is complete, restart your computer to ensure all drivers are properly loaded.
4. **Connect to Network:** Once your computer restarts, the adapter will be ready for use. You can now scan for available WiFi networks or pair Bluetooth devices.

Note: If the driver does not automatically pop up, manually navigate to "My Computer" or "This PC", open the

drive associated with the adapter, and execute "WiFiAutoinstall.exe".



Image 5.1: A visual guide demonstrating the three steps for installing the adapter: inserting it into a USB port, running the built-in driver installer from the 'USB Drive' in 'My Computer', and scanning for WiFi networks.

6. OPERATING INSTRUCTIONS

6.1. WiFi Connection (Receive Mode)

After successful driver installation, you can connect to a wireless network:

1. Click the WiFi icon in the system tray (usually in the bottom-right corner of your screen).
2. A list of available wireless networks will appear. Select your desired network.
3. Click "Connect" and enter the network security key (password) if prompted.
4. Once connected, the adapter will provide internet access to your PC.

6.2. Bluetooth Pairing

To connect Bluetooth devices:

1. Go to Windows Settings > Devices > Bluetooth & other devices.
2. Ensure Bluetooth is turned "On".
3. Click "Add Bluetooth or other device" and select "Bluetooth".
4. Put your Bluetooth device (e.g., headphones, mouse, keyboard) into pairing mode.
5. Select your device from the list and follow any on-screen instructions to complete pairing.

6.3. AP Mode (Hotspot)

The adapter supports AP mode, allowing your PC to act as a WiFi hotspot:

1. Ensure your PC is connected to the internet via a wired connection or another WiFi adapter.
2. Go to Windows Settings > Network & Internet > Mobile hotspot.
3. Toggle "Mobile hotspot" to "On".
4. You can configure the network name (SSID) and password under "Edit".
5. Other devices can now connect to your PC's hotspot using the provided SSID and password.



Image 6.1: Diagram illustrating the two working modes: WiFi Receive Mode, where the adapter connects the PC to a router, and WiFi Hotspot Mode, where the PC shares its internet connection with other devices.



Image 6.2: An illustration showing the adapter's Bluetooth 5.3 capability to simultaneously connect to various devices such as Bluetooth printers, headsets, mice, tablets, speakers, smartphones, and keyboards.

7. KEY FEATURES

The WONLINK AX900 NA1605 adapter offers a range of advanced features:

- **2-in-1 Functionality:** Combines WiFi 6 and Bluetooth 5.3 in a single compact USB adapter.
- **High-Speed WiFi 6 (AX900):** Supports speeds up to 600 Mbps on the 5GHz band and 287 Mbps on the 2.4GHz band for efficient data transfer.
- **Dual-Band Support:** Operates on both 2.4GHz and 5GHz frequencies, providing flexibility and reduced interference.
- **Bluetooth 5.3:** Offers low-latency, stable connections for a wide range of Bluetooth devices, supporting simultaneous multi-device connectivity.
- **Built-in Driver:** Enables true plug-and-play functionality on Windows 10/11, simplifying installation.
- **AP Mode:** Allows your PC to function as a WiFi hotspot, sharing its internet connection with other devices.
- **WPA3 Security:** Utilizes enterprise-grade WPA3 encryption to safeguard network privacy and data, with backward compatibility for WPA-PSK/WPA2-PSK.

- **Ultra-Compact Design:** Portable mini size for convenient use with laptops and desktops, ideal for travel.

8. TROUBLESHOOTING

If you encounter issues with your adapter, please refer to the following common problems and solutions:

- **Driver Not Installing Automatically:**
If the built-in driver installer does not launch automatically, open "My Computer" or "This PC", locate the "USB Drive" associated with the adapter, and manually run "WiFiAutoinstall.exe". Ensure your Windows operating system is up to date.
- **No WiFi Connection:**
Verify that the adapter is securely plugged into a USB port. Check if the WiFi function is enabled in Windows settings. Ensure your router is powered on and broadcasting a signal. Try restarting your computer and the router.
- **Bluetooth Device Not Pairing:**
Confirm that Bluetooth is enabled in Windows settings. Ensure your Bluetooth device is in pairing mode and within range. Remove any previously paired instances of the device from your computer's Bluetooth settings and attempt to pair again.
- **Slow Speeds or Intermittent Connection:**
Ensure your PC is within optimal range of your WiFi router. Obstacles like walls and other electronic devices can interfere with the signal. Try connecting to the 5GHz band if available, as it generally offers higher speeds and less interference, though with a shorter range. Update your router's firmware if necessary.
- **Adapter Not Recognized:**
Try plugging the adapter into a different USB port. Ensure your Windows 10/11 system is fully updated. If you have other wireless adapters, temporarily disable them to avoid conflicts.

9. SPECIFICATIONS

Feature	Description
Brand	WONLINK
Model	AX900 NA1605
Hardware Interface	USB 2.0
Color	Black
Compatible Devices	Desktop, Laptop
Data Link Protocol	IEEE 802.11ax (WiFi 6), Bluetooth 5.3
Data Transfer Rate (WiFi)	Up to 600 Mbps (5GHz), Up to 287 Mbps (2.4GHz)
Operating System Support	Windows 10/11
Item Weight	1.27 ounces (0.04 Kilograms)
Package Dimensions	4.41 x 3.62 x 0.75 inches

10. SAFETY AND CARE

To ensure the longevity and safe operation of your WONLINK AX900 NA1605 adapter, please observe the following:

- Keep the device away from water, moisture, and extreme temperatures.
- Avoid dropping or subjecting the adapter to strong impacts.
- Do not attempt to disassemble or modify the adapter, as this will void the warranty.
- Clean the adapter with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Store the adapter in a cool, dry place when not in use.

11. WARRANTY AND SUPPORT

Your WONLINK AX900 NA1605 adapter is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact WONLINK customer support. If you require technical assistance or have questions not addressed in this manual, please reach out to WONLINK customer service through their official website or the retailer where the product was purchased.