

WONLINK AX900 Bluetooth WiFi USB-YC4

WONLINK WiFi 6 and Bluetooth 5.3 USB Adapter User Manual

Model: **AX900 Bluetooth WiFi USB-YC4** | Brand: **WONLINK**

1. INTRODUCTION

Thank you for choosing the WONLINK WiFi 6 and Bluetooth 5.3 USB Adapter. This device is designed to provide your desktop or laptop computer with high-speed wireless internet connectivity and advanced Bluetooth capabilities. Featuring the latest WiFi 6 (802.11ax) technology and Bluetooth 5.3, this adapter ensures stable, fast, and efficient wireless communication for an enhanced computing experience.

This manual provides detailed instructions on how to set up, operate, and maintain your adapter, along with troubleshooting tips for common issues. Please read this manual carefully before using the product.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- WONLINK WiFi 6 and Bluetooth 5.3 USB Adapter (Model: AX900 Bluetooth WiFi USB-YC4) x 1
- Instruction Manual x 1





Figure 2.1: WONLINK WiFi 6 and Bluetooth 5.3 USB Adapter and its packaging.

This image shows the compact black USB adapter with the "WONLINK" logo and "WiFi 6" text, indicating its advanced wireless capabilities. The adapter features a standard USB-A connector for easy plug-and-play installation into a computer's USB port.

3. SPECIFICATIONS

Feature	Description
Model	AX900 Bluetooth WiFi USB-YC4
Wireless Standard	IEEE 802.11ax (WiFi 6), 802.11ac, 802.11n, 802.11a, 802.11b
Bluetooth Standard	Bluetooth 5.3
Data Transfer Rate	Up to 900 Mbps
Frequency Bands	2.4 GHz and 5 GHz (Dual-Band)
Interface	USB 2.0 (Compatible with USB 3.0 ports)
Security Protocols	WPA3 (and earlier standards)
Compatible Operating Systems	Windows 11, Windows 10
Dimensions	Approximately 11.1 x 8.9 x 1.9 cm
Weight	Approximately 30 g

4. SETUP GUIDE

4.1 System Requirements

- Operating System: Windows 11 or Windows 10
- Available USB port (USB 2.0 or higher recommended for optimal performance)

4.2 Driver Installation

The WONLINK adapter is designed for plug-and-play functionality on Windows 11 and Windows 10. In most cases, the necessary drivers for both Wi-Fi and Bluetooth will be installed automatically by your operating system when the adapter is first connected.

4.2.1 Automatic Installation (Recommended)

- Ensure your computer is connected to the internet (if possible, for driver updates).
- Insert the WONLINK USB adapter into an available USB port on your computer.
- Windows will automatically detect the new hardware and attempt to install the drivers. This process may take a few moments.
- Once installed, you should see a notification indicating that the device is ready for use. You can verify installation in Device Manager (under "Network adapters" and "Bluetooth").

4.2.2 Manual Installation (If Automatic Fails)

If the drivers do not install automatically, or if you experience issues, you may need to install them manually. Please refer to the official WONLINK support website for the latest driver downloads for your specific model (AX900 Bluetooth WiFi USB-YC4).

1. Visit the official WONLINK support website.
2. Locate the driver download section for the AX900 Bluetooth WiFi USB-YC4 adapter.
3. Download the appropriate drivers for your Windows version (Windows 11 or Windows 10).
4. Run the downloaded installer file and follow the on-screen instructions.
5. Restart your computer if prompted.

4.3 Connecting the Adapter

Simply plug the adapter into an available USB port on your desktop or laptop. For best performance, use a USB port that is easily accessible and not obstructed.

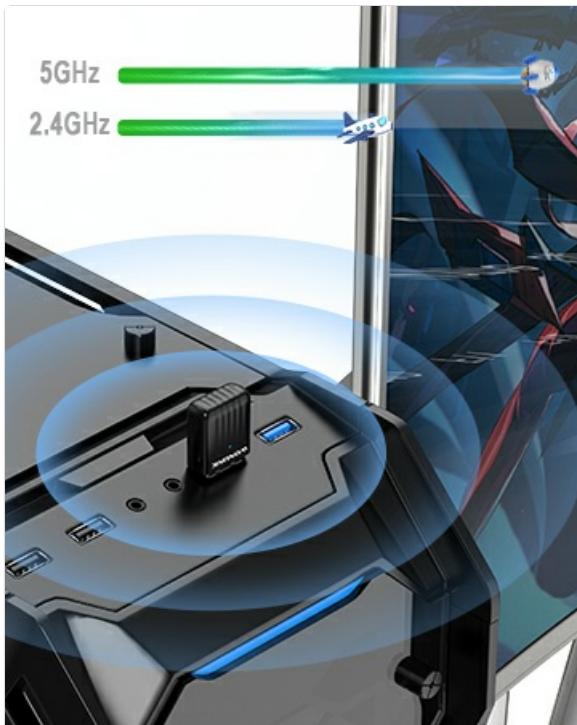


Figure 4.1: The WONLINK USB adapter inserted into a computer's USB port.

This image shows the compact WONLINK USB adapter securely plugged into a USB port on a computer, ready for operation. The blue light on the adapter indicates it is powered on and functioning.

5. OPERATING INSTRUCTIONS

5.1 Connecting to Wi-Fi

Once the adapter is installed, you can connect to a Wi-Fi network:

1. Click on the Wi-Fi icon (network icon) in the system tray (usually bottom-right corner of your screen).
2. A list of available Wi-Fi networks will appear.
3. Select your desired network and click "Connect".
4. If prompted, enter the network security key (password) and click "Next" or "OK".
5. Your computer should now be connected to the Wi-Fi network.

5.2 Using Bluetooth

To use the Bluetooth functionality, ensure it is enabled on your computer:

1. Go to **Settings > Devices > Bluetooth & other devices** (Windows 10) or **Settings > Bluetooth & devices** (Windows 11).
2. Ensure the Bluetooth toggle is set to "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 that appears on your computer and follow any on-screen prompts to complete the pairing process.

5.3 Dual-Band Operation (2.4GHz vs 5GHz)

Your WONLINK adapter supports both 2.4 GHz and 5 GHz Wi-Fi bands. Each band has distinct characteristics:

- **2.4 GHz:** Offers wider coverage and better penetration through walls, but typically provides lower speeds and is more susceptible to interference from other devices (e.g., microwaves, cordless phones).
- **5 GHz:** Provides higher speeds and less interference, ideal for bandwidth-intensive activities like streaming and gaming. However, its range is shorter and it's less effective at penetrating obstacles.

Most modern routers broadcast both bands, often with different network names (SSIDs), e.g., "MyWiFi_2.4GHz" and "MyWiFi_5GHz". Choose the band that best suits your needs based on your distance from the router and activity.



Figure 5.1: Illustration of 2.4GHz and 5GHz Wi-Fi bands.

This image visually represents the difference between 2.4GHz and 5GHz Wi-Fi bands. The 2.4GHz band is shown with a wider, longer reach, while the 5GHz band is depicted as faster but with a shorter, more direct range, highlighting the trade-offs between coverage and speed.

6. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your WONLINK adapter, please follow these guidelines:

- **Keep it Clean:** Periodically wipe the adapter with a soft, dry cloth to remove dust and debris. Avoid using liquid cleaners or solvents.
- **Avoid Physical Damage:** Do not drop, bend, or expose the adapter to excessive force.
- **Temperature and Humidity:** Store and operate the adapter in a dry environment within normal room temperature ranges. Avoid extreme heat, cold, or high humidity.
- **Proper Removal:** When removing the adapter from a USB port, grasp the body of the adapter firmly and pull it straight out. Avoid pulling by the USB connector itself.
- **Software Updates:** Regularly check the WONLINK official website for updated drivers to ensure compatibility and performance improvements.

7. TROUBLESHOOTING

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

Problem	Possible Cause / Solution
Adapter not recognized by computer.	<ul style="list-style-type: none">Try a different USB port.Restart your computer.Check Device Manager for unrecognized devices or driver errors. Reinstall drivers manually if necessary (refer to Section 4.2.2).
Cannot connect to Wi-Fi network.	<ul style="list-style-type: none">Ensure Wi-Fi is enabled on your computer.Verify the Wi-Fi password is correct.Restart your router/modem.Check if the adapter's drivers are properly installed in Device Manager.
Slow Wi-Fi speeds or frequent disconnections.	<ul style="list-style-type: none">Ensure you are connected to the 5GHz band if available and close to the router.Reduce interference by moving the adapter away from other electronic devices.Update your router's firmware.Ensure your computer's power management settings are not turning off the USB device.
Bluetooth not working or cannot pair devices.	<ul style="list-style-type: none">Ensure Bluetooth is enabled in Windows settings.Make sure the Bluetooth device is in pairing mode.Check Device Manager for Bluetooth driver issues.Remove and re-add the Bluetooth device in Windows settings.

8. WARRANTY AND SUPPORT

WONLINK products are designed for reliability and performance. For specific warranty information regarding your AX900 Bluetooth WiFi USB-YC4 adapter, please refer to the warranty card included with your purchase or visit the official WONLINK website.

If you require technical assistance or have questions not covered in this manual, please contact WONLINK customer support through their official website or the contact information provided with your product. When

contacting support, please have your product model number (AX900 Bluetooth WiFi USB-YC4) and purchase details ready.

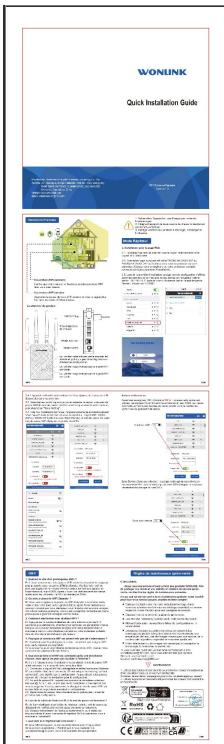
Official WONLINK Website: [Visit WONLINK Store on Amazon](#)

9. COMPLIANCE INFORMATION

This device complies with relevant regulatory standards for electronic devices. For detailed compliance statements (e.g., FCC, CE), please refer to the product packaging or the official WONLINK website. Keep this manual for future reference.

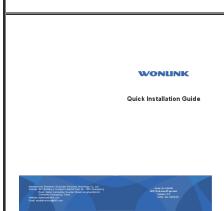
Related Documents - AX900 Bluetooth WiFi USB-YC4

<p>五国语言 说明书V3 骑马钉 80G双胶纸 75*95mm 黑色边框为刀模线 不做印刷</p>	<p>WONLINK Wireless Adapter Quick Installation Guide A comprehensive guide for installing and using the WONLINK Wireless Adapter, including hardware and driver installation, network connection, and troubleshooting.</p>
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[WONLINK NE3503B WiFi Repeater Quick Installation Guide](#)

This guide provides instructions for installing the WONLINK NE3503B WiFi Repeater, a 1200Mbps dual-band device designed to extend wireless network coverage up to 120'. Learn about setup, configuration, and compliance.



[WONLINK WL-NE3503 WiFi Extender/Repeater Quick Installation Guide](#)

This guide provides step-by-step instructions for installing and configuring the WONLINK WL-NE3503 WiFi Extender/Repeater, including setup, troubleshooting tips, and important safety and regulatory information.

[FCC Compliance Statement for WONLINK WL-NA1602 Wireless Network Adapter](#)

Detailed FCC compliance information for the WONLINK WL-NA1602 wireless network adapter, covering Part 15 rules, interference, and RF exposure requirements.

[WONLINK WL-NE3502 WiFi Extender: 1200Mbps Dual Band WiFi Booster Setup Guide](#)

User guide for the WONLINK WL-NE3502 WiFi Extender, a 1200Mbps dual-band WiFi booster and repeater. Includes setup instructions, features, and specifications for enhanced wireless network coverage.

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[Quick Installation Guide](#)

[WONLINK Repeater Quick Installation Guide](#)

Comprehensive quick installation guide for the WONLINK Repeater (Model M0305498), covering setup, working modes, Mesh networking, and troubleshooting.



Repeater
M0305498 Version 1 V1.0