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CY-SUZON AX600-MINI

CY-SUZON AX600-MINI USB WiFi 6 Adapter

Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your CY-SUZON AX600-MINI USB WiFi 6 Adapter. This device is designed to provide high-speed wireless connectivity for your desktop or laptop computer, supporting the latest WiFi 6 (802.11ax) standard with dual-band capabilities (2.4GHz and 5GHz).

2. Package Contents

Please verify that all items are present in your package:

- CY-SUZON AX600-MINI USB WiFi 6 Adapter
- Instruction Manual



Image: The CY-SUZON AX600-MINI USB WiFi 6 Adapter, a compact black USB device.

3. System Requirements

Before installation, ensure your system meets the following requirements:

- **Operating System:** Windows 11, Windows 10, Windows 7
- **Available Port:** USB 2.0 port or higher
- **Compatible Devices:** Desktop PC, Laptop

Note: Mac OS and Linux operating systems are NOT supported by this adapter.



Image: A graphic illustrating compatibility with Windows 11, 10, and 7, and non-compatibility with Mac OS and Linux.

4. Installation Guide

The AX600-MINI adapter features a built-in driver for Windows 11/10/7, simplifying the installation process.

4.1 Driver Installation

1. **Insert the Adapter:** Plug the CY-SUZON AX600-MINI USB WiFi 6 Adapter into an available USB port on your computer.
2. **Access the Driver:** Your computer will recognize the adapter as a USB drive. Open 'My PC' or 'This PC' and locate the newly mounted USB drive.
3. **Run the Installer:** Open the USB drive and double-click the executable file (e.g., 'aic8800d80 windows wifi driver install') to begin the driver installation. Follow the on-screen prompts to complete the installation. Administrator privileges may be required.
4. **Restart (if prompted):** If prompted, restart your computer to finalize the driver installation.

4.2 Connecting to Wi-Fi

1. **Open Wi-Fi Settings:** After driver installation, click on the Wi-Fi icon in your system tray (usually in the bottom-right corner of your screen).
2. **Select Network:** A list of available Wi-Fi networks will appear. Select your desired network.
3. **Enter Password:** Enter the network security key (Wi-Fi password) and click 'Connect'.
4. **Confirm Connection:** Once connected, the Wi-Fi icon will indicate an active connection.

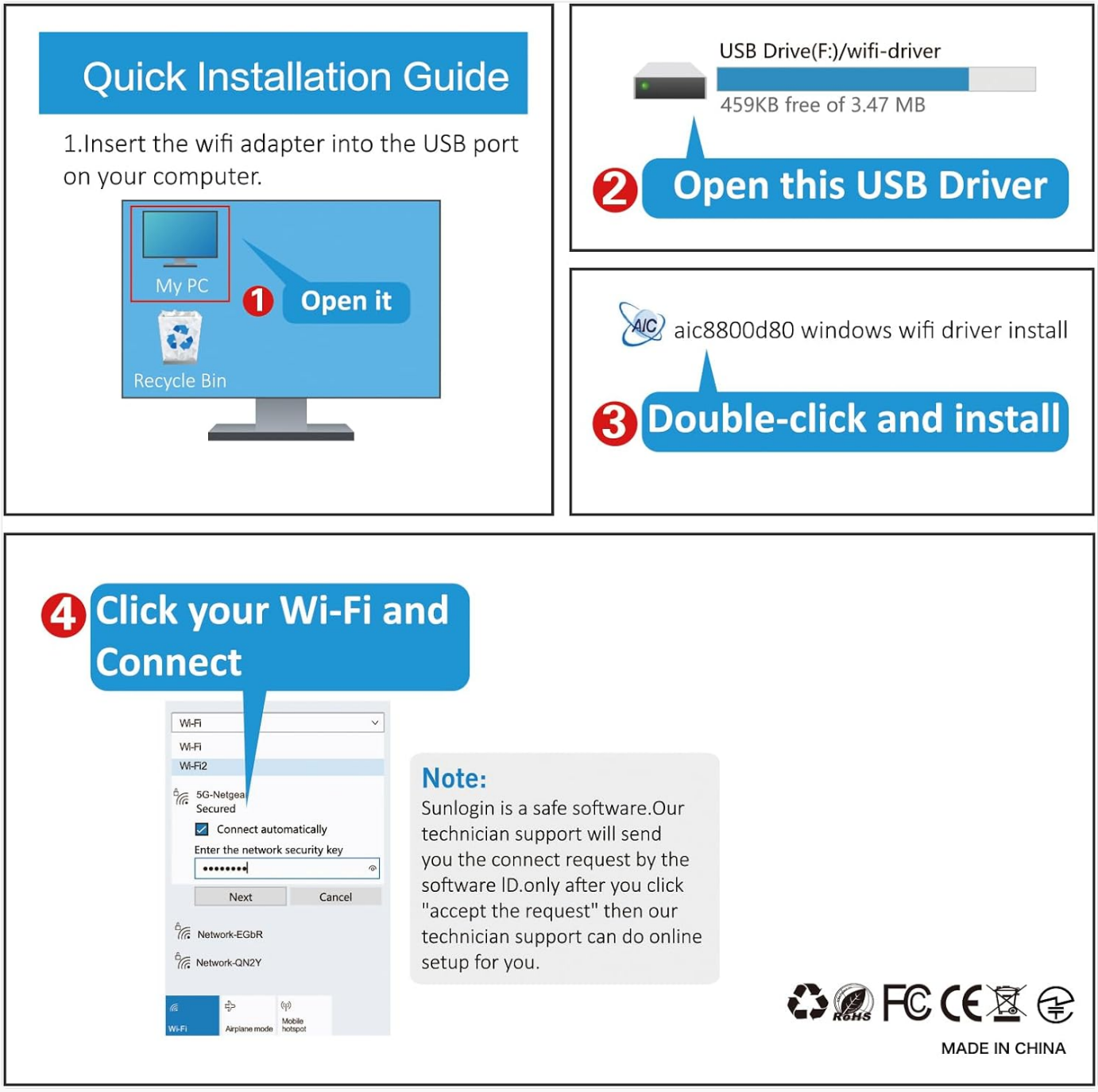


Image: A visual guide showing the steps to install the driver and connect to a Wi-Fi network.

5. Operating Modes

The CY-SUZON AX600-MINI adapter supports two primary operating modes:

5.1 Wi-Fi Receive Mode

In this mode, the adapter allows your desktop or laptop PC to connect to a wireless network, receiving internet access

from your router. This is the standard mode for most users.

5.2 Wi-Fi Hotspot Mode (Transmit Mode)

When your computer has a wired internet connection, the adapter can function as a Wi-Fi hotspot. This allows your computer to transmit a Wi-Fi signal, sharing its internet connection with other wireless devices like smartphones or tablets.



Image: A diagram illustrating the adapter functioning in Wi-Fi Receive Mode (connecting to a router) and Wi-Fi Hotspot Mode (sharing internet from a wired PC).

6. Maintenance

The CY-SUZON AX600-MINI USB WiFi 6 Adapter requires minimal maintenance. Follow these guidelines:

- **Keep Clean:** Gently wipe the adapter with a dry, soft cloth if it becomes dusty. Avoid using liquid cleaners.
- **Proper Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.

- **Avoid Physical Damage:** Do not drop, bend, or expose the adapter to excessive force.
- **Software Updates:** Periodically check the manufacturer's website for updated drivers, though the built-in driver is generally sufficient.

7. Troubleshooting

If you encounter issues with your adapter, refer to the following troubleshooting steps:

- **Adapter Not Detected:**
  - Ensure the adapter is fully inserted into a USB port.
  - Try a different USB port on your computer.
  - Restart your computer.
- **Cannot Connect to Wi-Fi:**
  - Verify that the Wi-Fi network is active and within range.
  - Double-check the Wi-Fi password (security key).
  - Ensure the driver is correctly installed (refer to Section 4.1).
  - Restart your router and computer.
- **Slow Connection Speed:**
  - Ensure your router supports WiFi 6 for optimal AX600 speeds.
  - Move closer to your Wi-Fi router to improve signal strength.
  - Minimize interference from other electronic devices.
  - Confirm your computer's USB port is functioning correctly. Note that this adapter uses a USB 2.0 interface, which may limit maximum theoretical throughput compared to USB 3.0.
- **Hotspot Mode Not Working:**
  - Ensure your computer has an active wired internet connection.
  - Check your operating system's mobile hotspot settings to ensure it is enabled and configured correctly.

8. Specifications

Feature	Description
Model Number	AX600-MINI
Hardware Interface	USB 2.0
Data Link Protocol	IEEE 802.11ax/a/b/g/n
Data Transfer Rate	Up to 600 Mbps (2.4G/286Mbps + 5.8G/286Mbps)
Frequency Bands	2.4 GHz and 5 GHz (Dual-band)
Wireless Security	WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Compatible OS	Windows 11, Windows 10, Windows 7
Product Dimensions	1.3 x 0.63 x 0.28 inches (3.3 x 1.6 x 0.7 cm)

Item Weight	0.64 ounces (18.14 grams)
Color	Black
Manufacturer	Shenzhen Xunman Technology Co., Ltd.



Image: A table comparing WiFi Protocols, Theoretical Maximum Rate, and Support System for AX600 (WiFi 6) and 150M (WiFi 4).

9. Warranty and Support

For warranty information and technical support, please refer to the contact details provided with your purchase or visit the official CY-SUZON website. Keep your purchase receipt for warranty claims.

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