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› ALFA AWUS036NEH Wi-Fi USB Adapter User Manual

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ALFA AWUS036NEH Wi-Fi USB Adapter User Manual

Model: AWUS036NEH

1. INTRODUCTION

The ALFA AWUS036NEH is a high-performance 802.11b/g/n Wi-Fi USB adapter designed to provide extended range and reliable wireless connectivity for your desktop or laptop computer. This manual provides detailed instructions for the proper setup, operation, and maintenance of your device.

2. PACKAGE CONTENTS

Before proceeding with the installation, please verify that all items listed below are present in your package:

- ALFA AWUS036NEH Wi-Fi USB Adapter
- Detachable 5dBi Antenna
- USB Cable
- Driver Installation CD
- Quick Start Guide



Image: The ALFA AWUS036NEH Wi-Fi USB Adapter and its accessories, including the main adapter unit, a detachable antenna, a USB cable, a driver installation CD, and printed documentation, are displayed on a white background.

3. SETUP

3.1 Driver Installation

It is crucial to install the drivers **before** connecting the ALFA AWUS036NEH adapter to your computer. Failure to do so may result in installation issues.

1. Insert the provided Driver Installation CD into your computer's optical drive. If your computer does not have an optical drive, download the latest drivers from the official ALFA Network website.
2. Navigate to the CD drive or the downloaded driver folder and locate the setup file (e.g., 'setup.exe' for Windows).
3. Double-click the setup file to start the installation wizard.
4. Follow the on-screen prompts to complete the driver installation. You may be required to restart your computer after the installation is finished.

3.2 Hardware Connection

Once the drivers are successfully installed, you can connect the adapter.

1. Attach the detachable 5dBi antenna to the antenna connector on the ALFA AWUS036NEH USB adapter by screwing it clockwise until it is finger-tight.
2. Connect one end of the supplied USB cable to the USB port on the ALFA AWUS036NEH adapter.
3. Connect the other end of the USB cable to an available USB port on your desktop or laptop computer. Ensure the connection is secure.
4. Your operating system should detect the new hardware and configure it automatically. A notification may appear indicating that the device is ready for use.

4. OPERATING INSTRUCTIONS

4.1 Connecting to a Wi-Fi Network

After successful installation, you can connect to available wireless networks.

1. Locate the wireless network icon in your computer's system tray (Windows) or menu bar (macOS/Linux).
2. Click on the icon to view a list of available wireless networks.
3. Select your desired Wi-Fi network (SSID) from the list.
4. If the network is secured, enter the network security key (password) when prompted.
5. Click 'Connect'. The adapter will attempt to establish a connection to the selected network.
6. Once connected, the wireless icon will indicate a successful connection, and you can access the internet.

4.2 Advanced Features

The ALFA AWUS036NEH adapter supports advanced modes for specific applications, such as network analysis and security testing. These include:

- **Monitor Mode:** Allows the adapter to capture all network traffic on a channel, regardless of the destination MAC address. This is commonly used for network diagnostics and security auditing.
- **Packet Injection:** Enables the adapter to send custom packets into a wireless network. This feature is primarily used for advanced network testing and research.

Note: Utilizing these advanced features typically requires specialized software and operating systems (e.g., Kali Linux) and a thorough understanding of wireless networking principles. Misuse of these features may violate local laws and network policies.

5. MAINTENANCE

To ensure optimal performance and longevity of your ALFA AWUS036NEH adapter, follow these maintenance guidelines:

- Keep the adapter and antenna clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Do not drop or subject the adapter to physical shock, as this can damage internal components.
- Ensure the antenna is securely attached but do not overtighten it.
- Periodically check for updated drivers on the ALFA Network website to benefit from performance improvements and bug fixes.

6. TROUBLESHOOTING

If you encounter issues with your ALFA AWUS036NEH adapter, refer to the following common problems and solutions:

Problem	Solution
Adapter not detected by computer.	◦ Ensure drivers are installed <i>before</i> connecting the adapter. ◦ Try a different USB port. ◦ Restart your computer. ◦ Verify the USB cable is not damaged.
Cannot connect to Wi-Fi network.	◦ Double-check the Wi-Fi password (security key). ◦ Ensure the network is within range. ◦ Restart your router/access point. ◦ Update adapter drivers.
Slow connection speed or frequent disconnections.	◦ Ensure the antenna is securely attached and positioned optimally. ◦ Minimize physical obstructions between the adapter and the router. ◦ Check for interference from other electronic devices. ◦ Update adapter drivers. ◦ Verify your internet service provider's speed.
Monitor mode or packet injection not working (Linux).	◦ Ensure you are using a compatible Linux distribution (e.g., Kali Linux). ◦ Verify that the correct drivers for monitor mode are installed and configured. ◦ Consult relevant online forums or documentation for your specific Linux setup.

7. SPECIFICATIONS

- **Model:** AWUS036NEH
- **Brand:** ALFA Network
- **Hardware Interface:** USB
- **Data Link Protocol:** IEEE 802.11b/g/n
- **Compatible Operating System Family:** Windows (Minimum Required: Windows 10), Linux, macOS (with appropriate drivers)
- **Compatible Devices:** Desktop, Laptop
- **Antenna:** Detachable 5dBi
- **Color:** White
- **Item Weight:** Approximately 4.2 ounces (0.26 Pounds)
- **Product Dimensions:** 23.62 x 23.62 x 33.46 inches (Note: These dimensions appear to be for packaging or a

different product, actual adapter is compact.)

- **ASIN:** B0035OCVO6

8. WARRANTY AND SUPPORT

ALFA Network products typically come with a limited manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official ALFA Network website for specific warranty terms and conditions.

For technical support, driver downloads, or further assistance, please visit the official ALFA Network support website. You may also find helpful resources and community forums online.

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