ALFA Network AWUS036H

ALFA Network AWUS036H v5 1000mW USB Wireless-G WiFi Adapter User Manual

Model: AWUS036H

Brand: ALFA Network

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the ALFA Network AWUS036H v5 1000mW USB Wireless-G WiFi Adapter. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its performance.

The AWUS036H is designed to provide enhanced wireless connectivity, offering a powerful solution for extending Wi-Fi range and improving signal quality, especially in environments where standard wireless adapters may fall short.

2. PRODUCT OVERVIEW

2.1 Key Features

- **High Output Power:** Features 1000mW output power for extended range and improved signal strength.
- **Enhanced Reception:** Includes a 5dBi antenna for better signal acquisition.
- **Broad Compatibility:** Supports Windows 98SE, 2000, ME, XP, Vista, 7, Linux (kernel 2.6.6 and later), and Macintosh (OS version 10.4).
- **High-Speed Connectivity:** Connects at up to 54Mbps via USB 2.0.
- **Robust Security:** Supports 64/128/256-bit WEP Encryption, TKIP, WPA, WPA2, and 802.11i.
- **Plug-and-Play:** Easy installation with included drivers.
- **Compact Design:** Portable and flexible for various setups.

2.2 Components

The ALFA Network AWUS036H package typically includes the following components:

- ALFA Network AWUS036H USB Wireless Adapter
- 5dBi Detachable Antenna
- USB Cable

- Driver CD-ROM

2.3 Product Views

Figure 1: Front view of the ALFA Network AWUS036H adapter with the 5dBi antenna connected. The USB port is visible at the bottom.

Figure 2: Angled view of the ALFA Network AWUS036H adapter, showing its compact size and the antenna's articulation.

Figure 3: Top view of the ALFA Network AWUS036H adapter, highlighting the ALFA NETWORK logo and the indicator light.

3. SETUP AND INSTALLATION

3.1 Driver Installation

Before connecting the AWUS036H adapter to your computer, it is recommended to install the necessary drivers from the included CD-ROM. Drivers are provided for a wide range of operating systems.

1. Insert the driver CD-ROM into your computer's optical drive.
2. Navigate to the driver folder corresponding to your operating system (e.g., Windows, Linux, Mac).
3. Run the setup executable file (e.g.,*setup.exe* for Windows).
4. Follow the on-screen instructions to complete the driver installation. You may be prompted to restart your computer after installation.
5. For the latest drivers or if you do not have an optical drive, visit the official ALFA Network support website.

Supported Operating Systems: Windows 98SE, 2000, Millennium, XP, Vista (32/64-bit), 7 (32/64-bit), Linux (kernel 2.4.x, 2.6.x and later), Mac OS (10.3 - 10.5).

3.2 Hardware Connection

1. Attach the 5dBi detachable antenna to the SMA connector on the AWUS036H adapter by screwing it clockwise until secure.
2. Connect one end of the provided USB cable to the mini-USB port on the AWUS036H adapter.
3. Connect the other end of the USB cable to an available USB 2.0 port on your desktop or notebook computer.
4. The operating system should detect the new hardware and, if drivers are pre-installed, recognize the adapter. An indicator light on the adapter may illuminate to show power and activity.

4. OPERATING INSTRUCTIONS

4.1 Connecting to a Wireless Network

Once the adapter is installed and recognized by your system, you can connect to available wireless networks.

1. Open your computer's wireless network utility (e.g., Windows Wireless Network Connection, Network Manager in Linux, Wi-Fi status in macOS).
2. The utility should display a list of available wireless networks detected by the AWUS036H adapter.
3. Select the desired network (SSID) from the list.
4. If the network is secured, enter the correct security key or passphrase (WEP, WPA, WPA2).
5. Click "Connect" or "Join" to establish the connection.
6. Upon successful connection, the adapter's indicator light may change or blink to signify active data transmission.

4.2 Security Settings

The AWUS036H supports various security protocols to protect your wireless communication:

- **WEP (Wired Equivalent Privacy):** Supports 64, 128, and 256-bit encryption. While supported, WEP is considered less secure and WPA/WPA2 is recommended.
- **WPA (Wi-Fi Protected Access) / WPA2:** Provides stronger encryption and authentication. This includes WPA-PSK (Pre-Shared Key) and WPA II.
- **802.1X Support:** For enterprise-level authentication.

Always use the strongest encryption available for your network to ensure data security.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ALFA Network AWUS036H adapter, consider the following maintenance tips:

- **Keep Drivers Updated:** Periodically check the ALFA Network official website for the latest driver updates. Updated drivers can improve performance, stability, and compatibility.
- **Clean Gently:** Use a soft, dry cloth to clean the exterior of the adapter. Avoid using liquid cleaners or solvents.
- **Proper Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handle with Care:** Avoid dropping the adapter or subjecting it to physical shocks, which can damage internal components.
- **Antenna Care:** Ensure the antenna is securely attached but do not overtighten. Handle the antenna carefully to prevent bending or breaking.

6. TROUBLESHOOTING

If you encounter issues with your ALFA Network AWUS036H adapter, refer to the following common troubleshooting steps:

6.1 No Detection or Connectivity Issues

- **Check USB Connection:** Ensure the USB cable is securely connected to both the adapter and the computer's USB port. Try a different USB port.
- **Power Supply:** Some USB ports may not provide sufficient power. If using a desktop, try a rear USB port directly on the motherboard. If using a laptop, ensure it's adequately charged or connected to power.
- **Driver Installation:** Verify that the correct drivers for your operating system are installed. Reinstall drivers if necessary.
- **Device Manager (Windows):** Check Device Manager to see if the adapter is listed without errors (e.g., yellow exclamation mark). If there are errors, try updating or reinstalling the driver.
- **Antenna Connection:** Ensure the antenna is firmly screwed onto the adapter.
- **Restart Computer:** A simple restart can often resolve minor connectivity glitches.

6.2 Poor Signal or Slow Speed

- **Antenna Orientation:** Adjust the direction of the antenna to optimize signal reception.
- **Interference:** Move the adapter away from other electronic devices that might cause interference (e.g., microwaves, cordless phones, Bluetooth devices).
- **Distance from Router:** While the AWUS036H offers extended range, extreme distances or multiple obstacles can still degrade signal quality.
- **Network Congestion:** If many devices are on the same Wi-Fi channel, performance can suffer.
- **Driver Updates:** Ensure you have the latest drivers installed, as they often include performance enhancements.

7. SPECIFICATIONS

Feature	Specification
Brand	ALFA Network
Model Number	AWUS036H
Wireless Type	802.11b, 802.11g
Data Rate	Up to 54 Mbps (802.11g), Up to 11 Mbps (802.11b)
Output Power	24dBm (OFDM), 30dBm (CCK) / 1000mW
Antenna Type	1 x 2.4GHz SMA connector (5dBi detachable antenna included)
Chipset	Realtek 8187L
Security	WEP 64/128/256-bit, 802.1X support, Wi-Fi Protected Access (WPA), WPA-PSK, WPA II
Interface	USB 2.0 (backward compatible with USB 1.1)

Feature	Specification
Operating System Support	Windows 98SE/2000/ME/XP/Vista/7, Linux (kernel 2.6.6+), Mac OS (10.4+)
Dimensions (L x W x H)	5.59 x 16 x 21.59 cm
Weight	38.5 g
Colour	Silver

8. WARRANTY AND SUPPORT
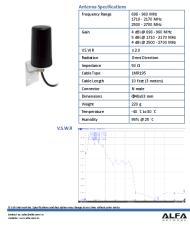
The ALFA Network AWUS036H adapter is covered by a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official ALFA Network website for detailed warranty terms and conditions.
For technical support, driver downloads, or further assistance, please visit the ALFA Network support portal or contact their customer service. Contact information can typically be found on the manufacturer's website or product packaging.
Note: No official product videos from the seller were available for inclusion in this manual.

Related Documents - AWUS036H

[ALFA NETWORK AOA-4G-5W-NM 4G LTE Outdoor Wall Mount Omni Antenna Specifications](#)
Detailed specifications and installation guide for the ALFA NETWORK AOA-4G-5W-NM 4G LTE Outdoor Wall Mount Omni Antenna, featuring 5dBi gain and N-Male connector.

[AWUS036ACU WiFi AC1200 USB Adapter Windows Install Guide | ALFA NETWORK](#)
Step-by-step installation guide for the ALFA NETWORK AWUS036ACU 802.11ac WiFi AC1200 USB Adapter on Windows, covering both WPA3 and non-WPA3 driver installations.

[ALFA NETWORK AWM27921EU 802.11ax WiFi Module Datasheet and Installation Guide](#)
Comprehensive technical specifications, installation instructions, and FCC compliance details for the ALFA NETWORK AWM27921EU 802.11ax WiFi module, supporting 2.4 GHz and 5 GHz bands.

	[ALFA NETWORK AWUS036AX WiFi 6 USB Adapter Quick-Start Guide](#) Quick-start guide for the ALFA NETWORK AWUS036AX WiFi 6 USB adapter. Learn how to install hardware, install drivers, and connect to wireless networks with this high-speed dual-band adapter.
WiFi CampPro 2 Benutzerhandbuch V01	**[ALFA WiFi CampPro 2 User Manual and Setup Guide](#)** This user manual provides comprehensive instructions for setting up, configuring, and troubleshooting the ALFA WiFi CampPro 2, a WiFi range extender designed for extending internet connectivity.
	[ALFA AWUS036ACM Wide-Coverage USB Wireless Adapter Quick-Start Guide](#) A quick-start guide for installing and connecting the ALFA AWUS036ACM Wide-Coverage USB Wireless Adapter. Covers driver installation, network connection, and setup.