Linksys WUSB6400M

Linksys WUSB6400M AC1200 USB Wi-Fi Adapter User Manual

Model: WUSB6400M

1. Product Overview

The Linksys WUSB6400M AC1200 MU-MIMO Wi-Fi USB Adapter is designed to upgrade your Windows-based laptop/PC or Mac to next-generation AC Wi-Fi, offering speeds up to two times faster than AC600 technology. This adapter enables your device to utilize MU-MIMO technology, distributing Wi-Fi signals more efficiently to multiple devices for improved overall coverage. It supports AC Wi-Fi speeds for streaming, online gaming, and large file downloads, operating faster than Wireless-N. The adapter is compatible with all Wi-Fi routers and features a plug-and-play setup.

Key Features:

- Upgrades Mac and Windows PCs/laptops to next-gen AC Wi-Fi with MU-MIMO for efficient, stronger home Wi-Fi.
- MU-MIMO technology ensures powerful Wi-Fi delivery to all connected devices simultaneously at optimal speeds.
- Features a high-gain external antenna for enhanced performance and extended range.
- Achieves superfast AC1200 Wi-Fi speeds with selectable dual-band operation (AC867/N300 Mbps).
- Equipped with a USB 3.0 interface for data transfer speeds up to 10 times faster than USB 2.0.

2. Package Contents

Verify that your package contains the following items:

- Linksys Dual-Band Wireless-AC USB Adapter AC1200 (WUSB6400M)
- CD-ROM with Setup Software and Resources
- Quick Start Guide

3. Setup and Installation

Follow these steps to install your Linksys WUSB6400M AC1200 USB Wi-Fi Adapter:

1. **Prepare your computer:** Ensure your computer has an active internet connection, either through an existing Wi-Fi adapter or a wired Ethernet connection. This is crucial for downloading necessary drivers if not automatically installed.
2. **Insert the adapter:** Plug the Linksys WUSB6400M adapter into an available USB 3.0 port on your computer for optimal

performance. While compatible with USB 2.0, USB 3.0 offers significantly faster data transfer speeds.

3. **Driver Installation:**
    - **Automatic Installation:** In most Windows operating systems, the adapter may be recognized automatically, and drivers might be installed via Windows Update.
    - **Manual Installation (Windows):** If drivers are not installed automatically, insert the provided CD-ROM and follow the on-screen instructions. Alternatively, download the latest drivers from the official Linksys support website. After downloading, extract the driver files and manually point your system to the extracted folder during the driver installation process (e.g., via Device Manager).
    - **Mac OS Compatibility Note:** Please be aware that this product may be considered End of Life by the manufacturer, and official driver support for newer Mac OS versions (e.g., macOS 12.6.5 and later) might not be available. Verify compatibility with your specific Mac OS version on the Linksys support website before purchase or installation.
4. **Verify Installation:** Once the drivers are installed, the adapter should appear in your computer's network adapters list.



Figure 1: The Linksys WUSB6400M AC1200 USB Wi-Fi Adapter with its foldable antenna.



Figure 2: The Linksys WUSB6400M adapter connected to a laptop's USB port, demonstrating its compact design and how it might occupy adjacent ports.

4. Operating Instructions

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

1. **Access Network Settings:**
    - **Windows:** Click the Wi-Fi icon in the system tray (bottom-right corner of the screen).
    - **Mac:** Click the Wi-Fi icon in the menu bar (top-right corner of the screen).
2. **Select a Network:** A list of available wireless networks will appear. Select your desired network (SSID).
3. **Connect:** Click "Connect" and enter the network security key (password) if prompted.
4. **Dual-Band Operation:** The WUSB6400M supports both 2.4 GHz and 5 GHz frequency bands.
    - The **2.4 GHz band** offers wider coverage and better penetration through walls, suitable for general internet use and older devices.
    - The **5 GHz band** provides faster speeds and less interference, ideal for high-bandwidth activities like streaming HD video and online gaming, but has a shorter range.

    If your router broadcasts both bands with different SSIDs (e.g., "MyWiFi_2.4GHz" and "MyWiFi_5GHz"), you can choose which band to connect to based on your needs.
5. **MU-MIMO Technology:** This adapter leverages MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) technology.

When paired with a MU-MIMO compatible router, it allows the router to communicate with multiple devices simultaneously, rather than sequentially. This results in more efficient Wi-Fi distribution, reducing buffering and improving overall network performance, especially in busy home environments with many connected devices.

6. **Antenna Adjustment:** The adapter features a foldable antenna. For improved signal strength and range, especially in areas with weaker Wi-Fi signals, you can adjust the antenna's position.

5. Maintenance

To ensure optimal performance and longevity of your Linksys WUSB6400M adapter, consider the following maintenance tips:

- **Keep Drivers Updated:** Regularly check the official Linksys support website for the latest driver updates. Updated drivers can improve performance, stability, and compatibility.
- **Physical Care:** Keep the adapter clean and free from dust. Avoid exposing it to extreme temperatures, humidity, or direct sunlight.
- **Protect from Damage:** When not in use, consider removing the adapter from your computer to prevent accidental damage, especially if transporting your laptop. Avoid bending or applying excessive force to the adapter or its USB connector.
- **USB Port Usage:** If the adapter blocks adjacent USB ports, consider using a short USB 3.0 extension cable to provide more flexibility and prevent strain on the adapter or your computer's ports.

6. Troubleshooting

If you encounter issues with your Linksys WUSB6400M adapter, refer to the following troubleshooting steps:

- **No Wi-Fi Connection or Adapter Not Detected:**
  - Ensure the adapter is firmly plugged into a USB port.
  - Try a different USB port, preferably a USB 3.0 port (often blue inside).
  - Restart your computer.
  - Verify that the drivers are correctly installed in Device Manager (Windows) or System Information (Mac). Reinstall drivers if necessary, using the provided CD or the latest version from the Linksys website.
- **Frequent Disconnections or Unstable Connection:**
  - Ensure your adapter drivers are up to date.
  - Check for physical obstructions or sources of interference (e.g., microwaves, cordless phones) between your adapter and the Wi-Fi router.
  - Adjust the adapter's foldable antenna for better signal reception.
  - Try connecting to a different Wi-Fi band (2.4 GHz vs. 5 GHz) if your router supports both.
  - Restart your Wi-Fi router.
- **Slow Speeds:**
  - Ensure the adapter is plugged into a USB 3.0 port. USB 2.0 ports will limit performance.
  - Connect to the 5 GHz band of your Wi-Fi network if available, as it generally offers faster speeds.
  - Minimize the distance and obstructions between the adapter and your router.
  - Ensure your router is also capable of AC1200 speeds and MU-MIMO technology for optimal performance.
  - Check for other devices consuming bandwidth on your network.
- **Mac OS Specific Issues:**

As noted in the setup section, the Linksys WUSB6400M may lack official driver support for newer Mac OS versions. If you are experiencing issues on a Mac, particularly with recent OS updates, it is recommended to check the Linksys support website for any available compatibility information or alternative solutions. If no drivers are available for your specific Mac OS version, the adapter may not function correctly or at all.

7. Specifications

Feature	Specification
Model Number	WUSB6400M
Wireless Type	2.4 GHz Radio Frequency, 5 GHz Radio Frequency (Dual-Band)
Hardware Interface	USB 3.0 (backward compatible with USB 2.0)
Data Transfer Rate	Up to 300 Mbps (N300) on 2.4GHz, up to 867 Mbps (AC867) on 5GHz (AC1200 total)
Compatible Operating Systems	Windows, Mac OS (*Note: Limited support for newer Mac OS versions*)
Compatible Devices	Desktop, Laptop
Product Dimensions (LxWxH)	2.4 x 0.98 x 0.59 inches (6.1 x 2.5 x 1.5 cm)
Item Weight	0.96 ounces (27.22 g)
Color	Black
UPC	745883734382

8. Warranty and Support

For warranty information, technical support, and the latest driver downloads, please visit the official Linksys support website. It is recommended to check the support page for your specific model (WUSB6400M) for the most up-to-date information regarding software compatibility and troubleshooting resources.

Note: As indicated by some user feedback, driver support for newer Mac OS versions may be limited or unavailable. Always verify compatibility with your operating system on the Linksys support portal.

You can typically find support at: www.linksys.com/support

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question