NEWFAST AC1300 (NF-U329)

NEWFAST AC1300 Mbps USB WiFi Adapter User Manual

Model: AC1300 (NF-U329)

1. Introduction

Thank you for choosing the NEWFAST AC1300 Mbps USB WiFi Adapter. This high-performance wireless adapter is designed to provide your desktop PC or laptop with fast, reliable, and extended-range Wi-Fi connectivity. With dual-band support and advanced antenna technology, you can enjoy seamless online gaming, HD streaming, and efficient web browsing.



The NEWFAST AC1300 Mbps USB WiFi Adapter, featuring four high-gain antennas and a USB 3.0 connection cable.



Official product banner highlighting the AC1300 model with four high-gain antennas and model number NF-U329.

2. What's in the Box

Please check the package contents to ensure all items are present:

- 1 x NEWFAST AC1300 USB WiFi Adapter for Desktop PC
- 1 x Micro USB 3.0 Type B data cable
- 1 x User Manual (this document)

3. Setup Guide

3.1 System Requirements

- Compatible Operating Systems: Windows XP, Windows 7, Windows 8, Windows 10.
- Available USB 2.0 or USB 3.0 port.



The adapter offers wide compatibility with various Windows operating systems.

3.2 Hardware Installation

1. Connect the provided Micro USB 3.0 Type B data cable to the corresponding port on the NEWFAST AC1300

USB WiFi Adapter.

2. Plug the other end of the USB cable into an available USB 3.0 port on your desktop PC or laptop. For optimal performance, a USB 3.0 port is recommended.
3. Position the adapter in an area free from obstructions to maximize signal reception. The four high-gain antennas can be adjusted for better signal strength.



Illustration of connecting the USB cable to the adapter and its placement next to a desktop computer, along with product dimensions.

3.3 Driver Installation

The NEWFAST AC1300 USB WiFi Adapter features a built-in driver, eliminating the need for a separate installation CD or complex download procedures.

1. After connecting the adapter to your computer, Windows should automatically detect new hardware.
2. Navigate to 'This PC' or 'My Computer' and locate the newly detected drive (often labeled as a CD Drive or similar).
3. Open this drive and double-click the driver installation executable (e.g., 'setup.exe' or 'install.exe').
4. Follow the on-screen prompts to complete the driver installation. This process is typically automatic and straightforward.



The adapter simplifies setup with an integrated driver, allowing for automatic installation upon connection.

4. Operating Instructions

4.1 Connecting to a Wireless Network (Station Mode)

In Station Mode, the adapter acts as a receiver, allowing your computer to connect to an existing wireless network.

1. Once the driver is installed, the adapter will be recognized by your operating system.
2. Click on the Wi-Fi icon in your system tray (usually in the bottom-right corner of the screen on Windows).
3. A list of available wireless networks will appear. Select your desired network (SSID).
4. Click 'Connect' and enter the network security key (password) if prompted.
5. Your computer should now be connected to the Wi-Fi network.



Visual representation of the adapter functioning in both AP (Access Point) mode for sharing Wi-Fi and Station mode for receiving Wi-Fi.

4.2 Creating a Wi-Fi Hotspot (Soft AP Mode)

In Soft AP Mode, the adapter can convert a wired internet connection into a wireless hotspot, allowing other devices to connect to it.

1. Ensure your computer has a wired internet connection.
2. Open the wireless utility software provided with the adapter (or use Windows' built-in Mobile Hotspot feature).
3. Enable 'Soft AP Mode' or 'Mobile Hotspot'.
4. Configure the network name (SSID) and password for your new hotspot.
5. Other devices can now search for and connect to your newly created Wi-Fi network.

4.3 Dual-Band Operation

The AC1300 adapter supports both 2.4 GHz and 5 GHz frequency bands, offering flexibility and performance:

- **2.4 GHz Band:** Provides wider coverage and better penetration through walls, suitable for general browsing and tasks that don't require extremely high speeds. (Up to 400 Mbps)
- **5 GHz Band:** Offers faster speeds and lower latency, ideal for online gaming, HD video streaming, and large file transfers. This band is less prone to interference but has a shorter range. (Up to 867 Mbps)



The adapter supports dual-band Wi-Fi, offering 867 Mbps on the 5GHz band for demanding tasks and 400 Mbps on the 2.4GHz band for broader coverage.

4.4 Stable Connection and Extended Range

The four high-gain antennas and advanced chipset ensure a more stable Wi-Fi connection, even in congested areas, and provide extended range throughout your home or office.



The adapter provides a stable Wi-Fi connection across various environments, including gaming, streaming, and general use, even in extended ranges.

5. Maintenance

To ensure the longevity and optimal performance of your NEWFAST AC1300 USB WiFi Adapter, consider the following maintenance tips:

- **Keep Drivers Updated:** Periodically check for updated drivers on the manufacturer's website to ensure compatibility and performance improvements.
- **Clean Ports:** Ensure the USB port on your computer and the adapter's cable connector are free from dust and debris.
- **Proper Placement:** Avoid placing the adapter in enclosed spaces or near sources of strong electromagnetic interference. Position it for optimal signal reception.
- **Physical Care:** Handle the adapter and its antennas with care to prevent physical damage. Avoid bending or forcing the antennas.

6. Troubleshooting

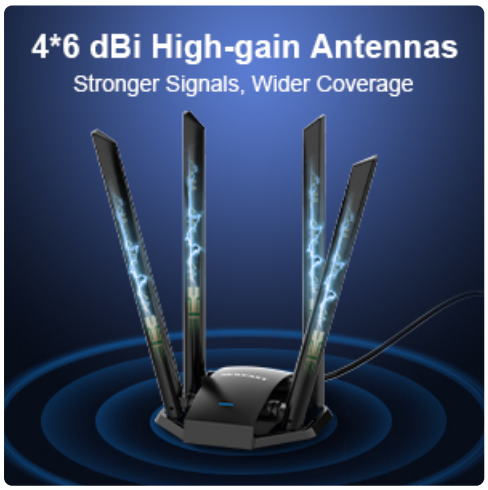
If you encounter issues with your NEWFAST AC1300 USB WiFi Adapter, please refer to the following common problems and solutions:

- **No Wi-Fi Connection / Adapter Not Detected:**
  - Ensure the adapter is securely plugged into a functioning USB port. Try a different USB port.
  - Verify that the driver is correctly installed. Reinstall the driver if necessary (refer to Section 3.3).
  - Check Device Manager in Windows to see if the adapter is listed without errors.
- **Slow Speeds / Frequent Disconnections:**
  - Ensure you are connected to the appropriate band (5 GHz for faster speeds, 2.4 GHz for better range).
  - Adjust the position of the adapter and its antennas for better signal strength.
  - Reduce interference by moving the adapter away from other electronic devices (e.g., microwaves, cordless phones).
  - Update your router's firmware and ensure it is configured optimally.
  - Try connecting to a different Wi-Fi channel on your router to avoid congestion.
- **Cannot Create Hotspot (Soft AP Mode):**
  - Ensure your computer has an active wired internet connection.
  - Check your firewall and antivirus settings, as they might be blocking the hotspot functionality.
  - Verify that the Soft AP feature is enabled in the adapter's utility software or Windows settings.

7. Specifications

Feature	Description

Model	AC1300 (NF-U329)
Data Transfer Rate	Up to 1300 Mbps (867 Mbps on 5GHz, 400 Mbps on 2.4GHz)
Data Link Protocol	USB, 802.11ac, Wi-Fi
Hardware Interface	USB 3.0 (backward compatible with USB 2.0)
Antennas	4 x 6 dBi High-gain Antennas
Security Features	WPA-PSK/WPA2-PSK encryption
Compatible Devices	Laptop, Desktop PC
Operating Systems	Windows XP, Windows 7, Windows 8, Windows 10
Product Dimensions	6.89 x 3.85 x 3.97 inches (175mm x 98mm x 101mm approx.)
Item Weight	9.6 ounces



The adapter is equipped with four 6 dBi high-gain antennas for stronger signals and wider coverage.



Enhanced network security is provided through WPA-PSK/WPA2-PSK encryption protocols.

8. Warranty Information

NEWFAST products are designed and manufactured to the highest quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official NEWFAST website. Keep your purchase receipt as proof of purchase for any warranty claims.

9. Customer Support

If you have any questions, require technical assistance, or need further support regarding your NEWFAST AC1300 Mbps USB WiFi Adapter, please contact our customer support team. Contact information can typically be found on the product packaging, the official NEWFAST website, or within the included warranty documentation.

For the latest drivers and FAQs, please visit the NEWFAST official support page.

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