

NEWFAST NF-U323

NEWFAST AC1300 NF-U323 Dual Band USB WiFi Adapter Instruction Manual

Model: NF-U323

1. INTRODUCTION

The NEWFAST AC1300 NF-U323 Dual Band USB WiFi Adapter provides high-speed wireless connectivity for your desktop or laptop computer. Supporting both 2.4GHz and 5GHz bands, it offers flexible and stable network access for various online activities. Its compact design and USB 3.0 interface ensure efficient performance and portability.

AC1300 Clé WiFi Pour PC



Image: The NEWFAST AC1300 NF-U323 Dual Band USB WiFi Adapter, highlighting its compact and portable design.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x NEWFAST AC1300 USB WiFi Adapter (Model: NF-U323)
- 1 x Driver CD
- 1 x User Manual

NEWFAST

1300Mbps

Adaptateur USB WiFi Double Bande



Image: The package contents, including the USB WiFi adapter, driver CD, and user manual.

3. SETUP AND INSTALLATION

Follow these steps to install your NEWFAST USB WiFi Adapter:

Step 1: Insert the Adapter

Plug the NEWFAST USB WiFi Adapter into an available USB 3.0 port on your computer. For optimal performance on a desktop PC, it is recommended to use a rear USB port.



Bande 2,4 GHz (Meilleure Diffraction, Signal Stable): pour le travail longue distance, Chat/Courrier/Navigation Web.



Bande 5GHz (Vitesse Rapide, Diffraction Normale): pour regarder des vidéos à courte portée et jouer à des jeux en ligne.



Image: A hand inserting the NEWFAST USB WiFi Adapter into a USB port on a desktop computer.

Step 2: Driver Installation

The driver is essential for the adapter to function correctly. You can install it using the included CD or by downloading it from the official NEWFAST website.

1. **Using the Driver CD:** Insert the driver CD into your computer's CD/DVD drive. Follow the on-screen instructions to install the driver.
2. **Downloading the Driver:** If your computer does not have a CD drive or if the CD is not working, visit the official NEWFAST website. Navigate to the 'Download' section, find the driver for model NF-U323, and download the appropriate version for your operating system.
3. **Run Setup:** Once the driver file is downloaded (or accessed from the CD), decompress it if necessary. Double-click the 'Setup.exe' file and follow the installation wizard to complete the driver installation.

Video: A demonstration of how to install the driver for the NEWFAST USB WiFi Adapter, including downloading from the website and running the setup.

Mode Réception & Lancement

Réception en Mode WiFi

Connectez votre ordinateur de bureau/ordinateur portable au WiFi



Lancer le Mode WiFi

Créer un hotspot WiFi pour le partage



Image: A visual guide illustrating the three main steps for adapter installation: inserting the adapter, installing the driver, and connecting to a WiFi network.

Step 3: Connect to WiFi

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

1. Double-click the 'REALTEK USB Wireless LAN Utility' icon on your desktop.
2. In the utility, click on the 'Available Network' tab.
3. Select your desired WiFi network (SSID) from the list and click 'Add to Profile'.
4. Enter the network key (password) and confirm it. Click 'OK'.
5. Once connected, the signal strength and link quality will be displayed. You can now enjoy your WiFi connection.

4. OPERATING INSTRUCTIONS

Dual Band Functionality

The NF-U323 adapter supports both 2.4GHz and 5GHz frequency bands:

- **2.4GHz Band (up to 400Mbps):** Offers wider coverage and better penetration through walls, ideal for general web browsing, email, and stable long-distance connections.
- **5GHz Band (up to 867Mbps):** Provides faster speeds and less interference, perfect for online gaming, HD video streaming, and other bandwidth-intensive applications over shorter distances.



Image: A graphic explaining the benefits and speeds of the 2.4GHz and 5GHz WiFi bands.

USB 3.0 High-Speed Interface

Equipped with a USB 3.0 interface, this adapter delivers data transfer speeds up to 10 times faster than USB 2.0 (theoretical maximum of 5 Gbps). It is also backward compatible with USB 2.0 ports, ensuring broad compatibility with older devices.

Interface USB 3.0 pour une Transmission Plus Rapide et Plus Stable

Bande passante de transmission théorique jusqu'à 5,0 Gbit/s

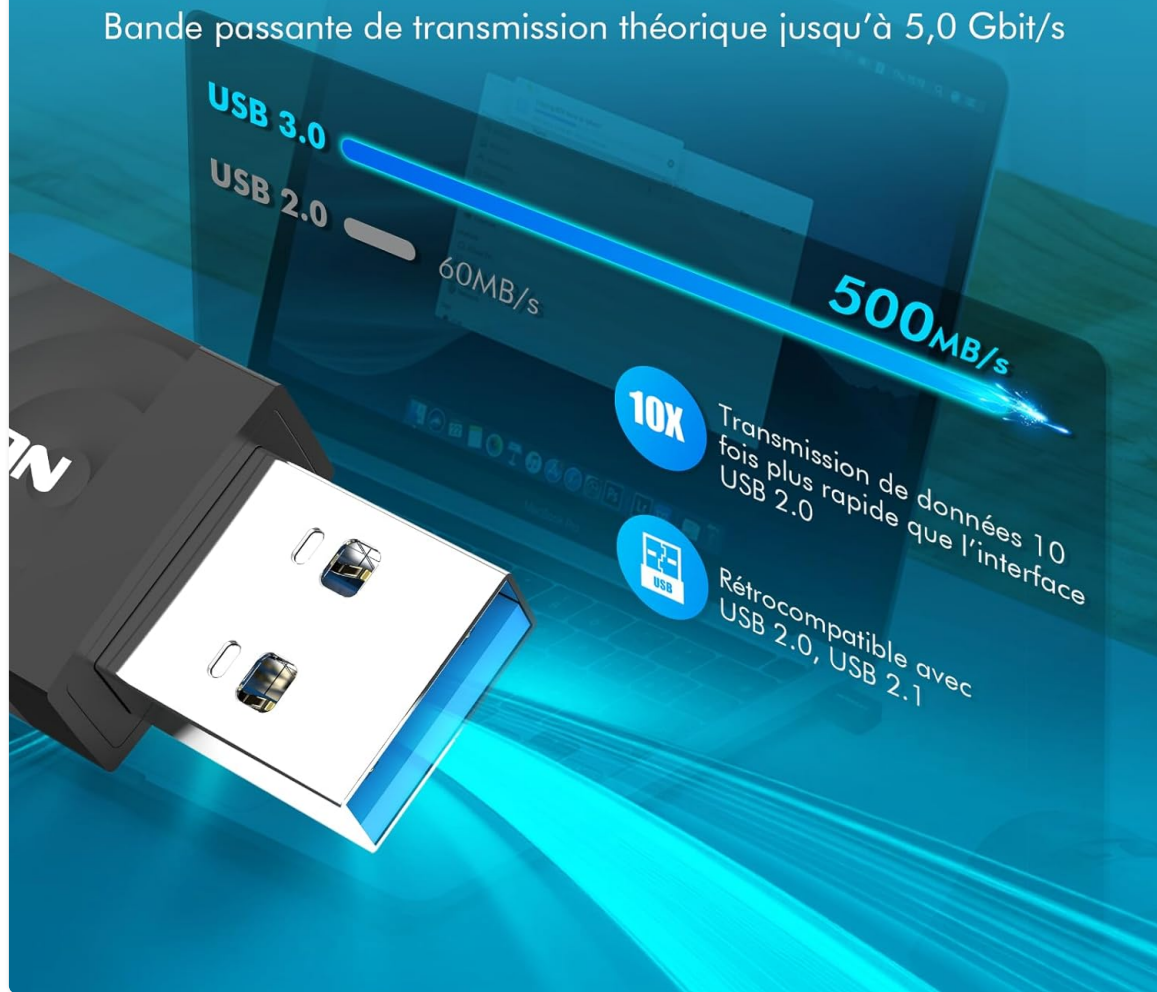


Image: A visual comparison highlighting the speed advantage of USB 3.0 over USB 2.0.

Soft AP Mode (Access Point)

The Soft AP feature allows you to convert your wired internet connection into a wireless hotspot. This enables other wireless devices, such as smartphones or tablets, to connect to the internet through your computer.

Sécurité Avancée

Normes de cryptage WPA / WPA2 / WEP
Une protection de sécurité plus complète vous permet de profiter d'une vie de réseau sans fil plus sûre.



Image: Illustrations of the adapter functioning in WiFi reception mode and Soft AP mode for internet sharing.

MU-MIMO Technology

The adapter incorporates MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) technology. This allows it to communicate with multiple compatible devices simultaneously, improving network efficiency and overall performance, especially in busy network environments.

Video: A demonstration of the NEWFAST USB WiFi Adapter's features, including dual-band connectivity, USB 3.0, and Soft AP mode.

5. SPECIFICATIONS

Feature	Description
Model	NF-U323
Interface	USB 3.0 (Backward compatible with USB 2.0)

Data Transfer Rate	Up to 1300 Mbps (400 Mbps on 2.4GHz, 867 Mbps on 5GHz)
Data Link Protocol	IEEE 802.11a/b/g/n/ac
Dimensions (L x W x H)	17L x 9l x 38H millimeters
Color	Black

6. COMPATIBILITY

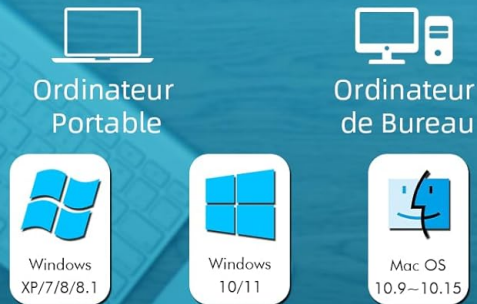
The NEWFAST AC1300 NF-U323 USB WiFi Adapter is compatible with a wide range of operating systems:

- Windows XP / 7 / 8 / 8.1 / 10 (32-bit/64-bit)
- Windows 11 (64-bit)
- Mac OS 10.9 to 10.15

Compatible devices include desktop computers, laptops, routers, smartphones, and tablets (when used in Soft AP mode).

Compatibilité Pratique

Technologie IEEE 802.11 ac/n/g/b/a



Technologie MU-MIMO

Il peut transmettre des données de plusieurs utilisateurs simultanément et permet d'obtenir une expérience réseau de plusieurs à plusieurs et d'améliorer l'efficacité de l'utilisation du réseau.



Image: A graphic illustrating the broad compatibility of the adapter with different operating systems and electronic devices.

7. MAINTENANCE

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

- **Keep it Clean:** Regularly clean the adapter's exterior with a soft, dry cloth to prevent dust buildup, especially around the USB connector.
- **Protect from Damage:** Avoid dropping the adapter or exposing it to extreme temperatures, humidity, or direct sunlight. When not in use, store it in a safe place.
- **Proper Removal:** Always safely eject the USB device from your operating system before physically removing it from the port to prevent data corruption or damage.
- **Driver Updates:** Periodically check the NEWFAST official website for updated drivers. Keeping your drivers current can improve performance and resolve compatibility issues.

8. TROUBLESHOOTING

If you encounter issues with your NEWFAST USB WiFi Adapter, try the following solutions:

No Internet Connection / Adapter Not Recognized

- **Check USB Port:** Try plugging the adapter into a different USB port on your computer. Ensure it's a functioning USB 3.0 port for best performance.
- **Reinstall Driver:** Uninstall the current driver and reinstall it using the provided CD or the latest version from the NEWFAST official website.
- **Restart Computer:** A simple restart can often resolve connectivity issues.
- **Check Device Manager (Windows):** Open Device Manager (right-click Start button > Device Manager). Look for 'Network adapters'. If you see an exclamation mark or unknown device, the driver may not be installed correctly.

Slow Connection Speed

- **Check Signal Strength:** Ensure the adapter is receiving a strong WiFi signal. Move closer to your router or remove obstacles.
- **Verify Band:** Make sure you are connected to the 5GHz band for higher speeds, if available and supported by your router.
- **Minimize Interference:** Keep the adapter away from other electronic devices that might cause interference (e.g., microwaves, cordless phones).
- **Update Router Firmware:** Ensure your router's firmware is up to date.

Frequent Disconnections

- **Driver Stability:** Ensure you have the latest and most stable driver installed.
- **Power Management:** In Windows Device Manager, go to the adapter's properties, then 'Power Management' tab, and uncheck 'Allow the computer to turn off this device to save power'.
- **Router Settings:** Check your router's settings for any features that might be causing instability.

9. WARRANTY AND SUPPORT

This NEWFAST product comes with a **1-year manufacturer's warranty**.

For technical support, driver downloads, or further assistance, please visit the official NEWFAST website or contact their customer service.

Official Website: www.newfast.com (Note: This is a placeholder URL. Please refer to your product packaging or documentation for the actual support website.)