WAVLINK WL-NWU341G

WAVLINK USB-C 5 Gigabit Ethernet Adapter

MODEL: WL-NWU341G USER MANUAL

1. Introduction

The WAVLINK USB-C 5 Gigabit Ethernet Adapter (Model: WL-NWU341G) provides a high-speed wired network connection for devices equipped with a USB-C port. Designed for optimal performance, this adapter allows for data transfer speeds up to 5Gbps, significantly faster than standard Gigabit Ethernet. It is an ideal solution for laptops, tablets, and other compatible devices that lack a built-in Ethernet port or require enhanced network performance for demanding tasks such as large file transfers, online gaming, or 4K video streaming.

2. Features

- **5Gbps Ethernet Speed:** Increases data transfer speeds by up to 400% compared to Gigabit Ethernet, offering ultra-fast and stable wired connectivity.
- **USB 3.1 Gen 2 Connectivity:** Utilizes a USB 3.1 Gen 2 (10Gbps) Type-C connector for maximum compatibility and performance.
- **Wide Compatibility:** Supports Microsoft Windows 10/11, 8.x, 7, Vista, XP, MacOS 10.6 and above. Compatible with Apple devices powered by M3 or above chips.
- **Durable Design:** Engineered with a premium aluminum alloy shell and internal heat dissipation design for durability and prolonged usage.
- **Compact & Portable:** Measuring 3.1 x 1.2 x 0.7 inches and weighing 2.29 ounces, it is designed for easy portability.
- **Advanced Functions:** Supports Microsoft Wake Packet Detection (WPD), 'Wake-On-Lan', and 'RealWoW' for remote wake-up capabilities.
- **LED Indicators:** Features blinking green LED for 5000Mbps speeds and blinking amber LED for 10/100/1000/2500Mbps speeds, providing visual status of the connection.

3. Package Contents

The WAVLINK USB-C 5 Gigabit Ethernet Adapter package includes the following items:

- 1 x USB-C 5 Gigabit Ethernet Adapter (WL-NWU341G)
- 1 x Quick Start Guide
- 1 x Driver Download Links Card
- 1 x Safety Information Sheet

Image: WAVLINK USB-C 5 Gigabit Ethernet Adapter and its included Quick Start Guide, Safety Information, and Driver Download Links card.

Image: The compact WAVLINK USB-C 5 Gigabit Ethernet Adapter held in hand, highlighting its USB-C connector and sleek design.

Your browser does not support the video tag.

Video: An unboxing and initial overview of the WAVLINK USB-C 5 Gigabit Ethernet Adapter, showcasing its packaging and physical appearance.

4. Setup & Installation

To set up your WAVLINK USB-C 5 Gigabit Ethernet Adapter, follow these steps:

1. **Connect Ethernet Cable:** Plug a CAT6 or higher Ethernet cable into the RJ45 port of the WAVLINK adapter. Ensure your router, Ethernet switch, or server supports 5Gb Ethernet speeds.
2. **Connect to Device:** Plug the USB-C connector of the adapter into a compatible USB 3.1 Gen 2 (10Gbps) or higher port on your laptop, tablet, or other device.
3. **Driver Installation:**

   - **Windows:** For Microsoft Windows 10/11, 8.x, 7, Vista, and XP, the necessary drivers (Realtek RTL8156) should install automatically upon connection.
   - **MacOS:** For MacOS 10.6 and above, especially for older systems or if automatic installation fails, you

may need to manually download and install the Realtek RTL8156 driver from the WAVLINK official website. Only compatible with Apple devices powered by M3 or above chips.

- **Other OS (ChromeOS, Linux, iPadOS):** Drivers may install automatically. If not, refer to the WAVLINK support website for specific instructions or driver downloads.

4. **Verify Connection:** Check the LED indicators on the adapter. A blinking green LED indicates 5000Mbps speed, while a blinking amber LED indicates 10/100/1000/2500Mbps speeds.

Image: The WAVLINK USB-C 5 Gigabit Ethernet Adapter connected to a laptop's USB-C port, ready for a wired network connection.

Image: A visual guide illustrating the necessary components for achieving 5Gbps speeds, including broadband, modem/router, network cable (Cat6+), and USB 3.2 Gen2 port.

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Video: A demonstration and explanation of how to use the USB-C to Ethernet adapter, addressing common questions about its functionality and setup.

5. Operating Instructions

Once the WAVLINK USB-C 5 Gigabit Ethernet Adapter is properly installed and connected, it operates automatically, providing a stable and fast wired network connection.
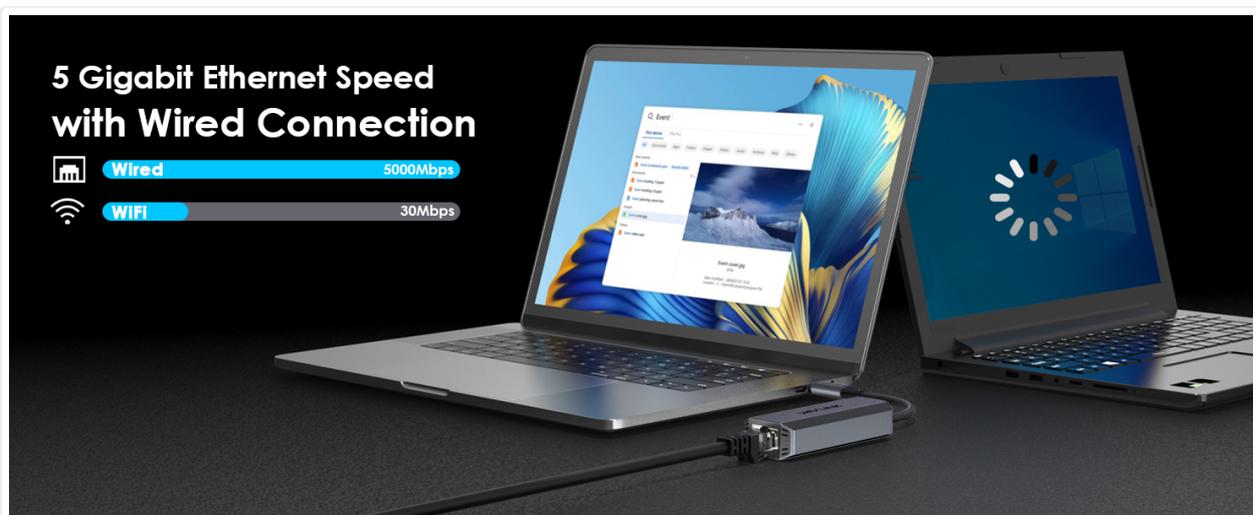
- **LED Indicators:**

  - **Blinking Green:** Indicates auto-recognition and data transfer at 5000Mbps speeds.
  - **Blinking Amber:** Indicates auto-recognition and data transfer at 10/100/1000/2500Mbps speeds.
  - **Off:** The adapter is not receiving electrical power or no Ethernet connection is detected.

- **Wake-On-Lan (WOL) & RealWoW:** The adapter supports these features, allowing your PC to be remotely woken up from a sleeping state via the network. Ensure these features are enabled in your device's BIOS/UEFI settings and operating system network adapter properties.

Perfect for Online Gaming

Image: A detailed view of the WAVLINK adapter's LED indicators, showing green for 5Gbps and amber for lower speeds.

5 Gigabit Ethernet Speed with Wired Connection

Wired		5000Mbps
WiFi		30Mbps

Image: A visual comparison demonstrating the superior speed and stability of a wired connection via the adapter compared to Wi-Fi, highlighting reduced latency and buffering.

6. Compatibility

The WAVLINK USB-C 5 Gigabit Ethernet Adapter offers broad compatibility with various operating systems and devices:

- **Operating Systems:** Microsoft Windows 10/11, 8.x, 7, Vista, XP, MacOS 10.6 and above, ChromeOS, Linux, iPadOS.
- **Apple Devices:** Fully compatible with Apple devices powered by M3 or above chips. For older MacOS versions, manual driver installation may be required.
- **Device Types:** Laptops, tablets (e.g., iPad Pro/Air), desktop PCs, and other devices with a USB-C port supporting USB 3.1 Gen 2 (10Gbps) or higher.

Image: A comprehensive diagram illustrating the adapter's universal compatibility across various devices like iMac, MacBook, Dell XPS, iPad Pro/Air, Mac Mini, Asus Zenbook, iPhone 16/15, and operating systems including Windows, Mac OS, iOS, Chrome OS, Linux, and iPadOS.

7. Troubleshooting

- **Slow Speeds:**
  - Ensure you are using a CAT6 or higher Ethernet cable.
  - Verify your router, Ethernet switch, or server supports 5Gb Ethernet.

- Confirm your device's USB-C port complies with USB 3.2 Gen2 (10Gbps) or higher standards.

- **Frequent Disconnections (Windows):**

  - Go to Device Manager, find the network adapter, right-click and select 'Properties'.
  - Navigate to the 'Power Management' tab and uncheck 'Allow the computer to turn off this device to save power'.

- **Driver Issues:**

  - For older systems or if automatic driver installation fails, download the latest Realtek RTL8156 driver from the official WAVLINK support page: www.wavlink.com/en_us/WL-NWU341G.

- **No Connection:**

  - Check all cable connections to ensure they are secure.
  - Verify that the LED indicators on the adapter are active.
  - Test the adapter with a different USB-C port or another compatible device if possible.

8. Specifications

Attribute	Value
Product Dimensions	3.1 x 1.2 x 0.7 inches (7.87 x 3.05 x 1.78 cm)
Item Weight	2.29 ounces (65 grams)
Item Model Number	WL-NWU341G
Brand	WAVLINK
Hardware Interface	USB 3.1 Type C
Color	Grey
Compatible Devices	Windows 10/11, 8.x, 7, Vista and XP, MacOS 10.6 and above
Data Transfer Rate	5000 Megabits Per Second (5Gbps)
Compatible Operating System Family	ChromeOS, Linux, Windows
Minimum Required Operating System Version	Mac OS X 10.6 Snow Leopard, Windows 7

Image: The compact size of the WAVLINK USB-C 5 Gigabit Ethernet Adapter, with dimensions of 3.1 x 1.2 x 0.7 inches, making it highly portable.

9. Maintenance

To ensure the longevity and optimal performance of your WAVLINK USB-C 5 Gigabit Ethernet Adapter, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the adapter. Avoid using liquid cleaners or aerosols, which may damage the device.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. Do not bend the cable excessively, as this may damage internal wiring.
- **Ventilation:** Ensure the adapter is not covered during use to allow for proper heat dissipation, especially during prolonged high-speed data transfers.

10. Warranty & Support

WAVLINK products are designed for reliability and performance. For detailed warranty information, technical support, and customer service, please visit the official WAVLINK website or refer to the contact information provided in your product's Quick Start Guide.

Online Support: www.wavlink.com

Technical Support Email: support@wavlink.com