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WAVLINK NWU340GD

WAVLINK 5Gbps USB C to Ethernet Adapter (Model NWU340GD) Instruction Manual

Model: NWU340GD

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your WAVLINK 5Gbps USB C to Ethernet Adapter, model NWU340GD. This adapter is designed to provide a high-speed wired network connection for devices equipped with a USB-C port, offering data transfer rates up to 5000Mbps and supporting power delivery up to 95W.



Image 1.1: The WAVLINK 5Gbps USB C to Ethernet Adapter.

2. Package Contents

Please verify that all items are present in your package:

- 1 x WAVLINK 5Gbps USB C to Ethernet Adapter (Model NWU340GD)
- 1 x Quick Start Guide
- 1 x Driver Download Link Card



Image 2.1: Contents included in the product package.

3. Product Overview

The WAVLINK NWU340GD adapter features a robust design and high-performance capabilities:

- **5Gbps Ethernet Port:** Provides ultra-fast network speeds, backward compatible with 10/100/1000/2500Mbps.
- **95W Power Delivery (PD) Charging Port:** Allows simultaneous charging of your host device while using the Ethernet connection.
- **Aluminum Casing:** Ensures durability and efficient heat dissipation.
- **Reinforced Nylon Cable:** Designed for enhanced longevity and resistance to wear.



Image 3.1: Key components and build quality of the adapter.



Image 3.2: The 5Gbps Ethernet port indicating high-speed capability.

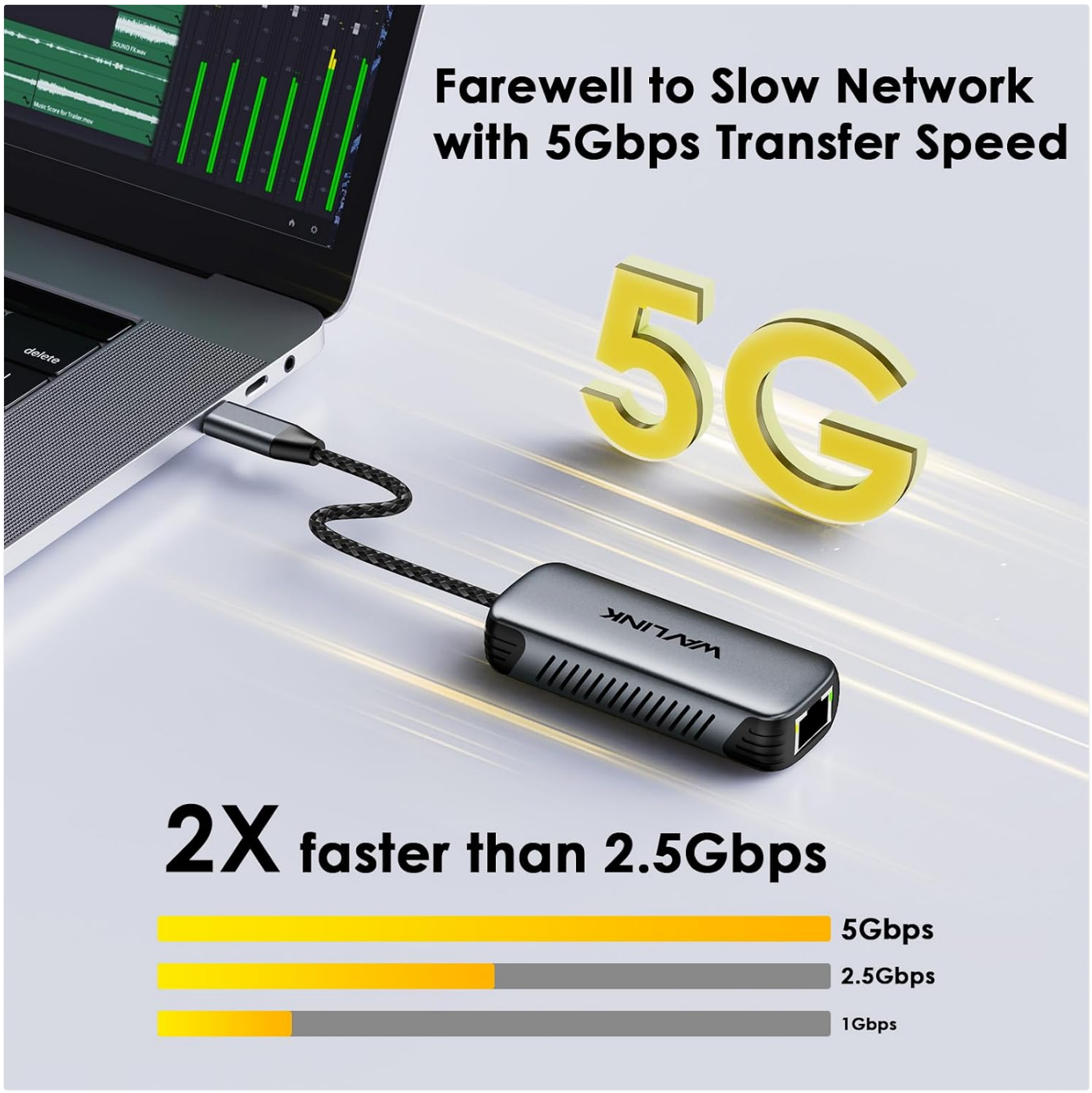

Image 3.3: Visual representation of 5Gbps speed advantage.

The adapter's compact and lightweight design makes it suitable for various environments, including home, office, or mobile use.



Image 3.4: The adapter's portability.



Image 3.5: Physical dimensions of the adapter.

4. Setup Instructions

Follow these steps to set up your WAVLINK USB C to Ethernet Adapter:

1. **Connect to Host Device:** Plug the USB-C connector of the adapter into an available USB 3.2 (or higher) Type-C port on your laptop, computer, or tablet.
2. **Connect to Network:** Insert an Ethernet cable (CAT6A or higher recommended for 5Gbps speeds) from your router, modem, or network switch into the RJ45 port on the adapter.
3. **Power Delivery (Optional):** If your device supports USB-C Power Delivery, you can connect a USB-C power adapter to the PD IN port on the WAVLINK adapter to charge your host device while maintaining the network connection.
4. **Driver Installation:** For optimal performance and compatibility, especially on older operating systems, driver installation may be required. Refer to Section 5 for detailed driver installation instructions.



Image 4.1: Connecting the adapter to a laptop and network.

5. Driver Installation

While many modern operating systems offer plug-and-play functionality, driver installation may be necessary for full functionality or on specific system configurations.

- **Automatic Installation:** On Windows 10, macOS 10.13.6 and above, iPadOS, and up-to-date Chrome OS, the adapter may install drivers automatically upon connection.
- **Manual Installation:** If the adapter is not recognized or does not function correctly, or if you are using an older operating system (e.g., Linux kernel 3.2-4.x), manual driver installation is required.

Steps for Manual Driver Installation:

1. Locate the Driver Download Link Card included in your package.
2. Visit the WAVLINK official website or the URL provided on the card to download the latest drivers for your operating system.
3. Follow the on-screen instructions to install the driver. You may need to restart your computer after installation.

6. Operating Instructions

Once the adapter is connected and drivers are installed (if necessary), your device should automatically detect the wired network connection. You can verify the connection status through your operating system's network settings.

Achieving 5Gbps Speed:

To experience the full 5Gbps (5000Mbps) speed, ensure the following conditions are met:

- Your broadband service speed must exceed 5Gbps.
- Your modem/router must support 5Gbps network output.
- The Ethernet cable used must be CAT6A or a higher grade.
- The USB-C port on your laptop or host device must be USB 3.2 or higher. Connecting to a USB 2.0/3.0 port will limit speeds.

7. Compatibility

The WAVLINK NWU340GD adapter offers broad compatibility with various operating systems and devices:

- **Supported Operating Systems:** Windows 10, Mac OS 10.13.6 to 11.x, iPadOS, Linux Kernel 5.x and above, up-to-date Chrome OS. (Linux kernel 3.2 and above with basic support; driver installation or update to 5.x kernel for full support).
- **Supported Devices:** Laptops, computers, and tablets with a USB-C (10Gbps) or Thunderbolt 3 port.
- **Not Compatible With:** Nintendo Switch, most Android devices, TiVo Series 2, Wii, ARM-based Windows RT and Windows Mobile, or other non-PC/Mac platforms. Not recommended for use with FreeBSD or pfSense.



Image 7.1: Overview of compatible systems and connection types.

8. Specifications

Model Number	NWU340GD
Hardware Interface	Ethernet, USB Type C
Data Transfer Rate	5000 Megabits Per Second (5Gbps)
Data Link Protocol	Gigabit Ethernet (IEEE 802.3bz for 2.5G/5G)
Power Delivery	Up to 95W via USB-C PD IN port
Product Dimensions	3.14 x 1.25 x 0.66 inches (7.98 x 3.18 x 1.68 cm)
Item Weight	1.59 ounces (45 grams)
Chipset	RTL8157

9. Troubleshooting

- **No Network Connection:**
  - Ensure the adapter is securely plugged into both your device's USB-C port and the Ethernet cable.
  - Verify that your router/modem is functioning correctly and providing an active internet connection.
  - Check if drivers are installed. If not, follow the instructions in Section 5.
  - Test with a different Ethernet cable or USB-C port if available.
- **Slow Network Speed:**
  - Confirm all conditions for 5Gbps speed are met as listed in Section 6.
  - Ensure your host device's USB-C port is USB 3.2 or higher. Older USB versions will limit speed.
  - Verify your Ethernet cable is CAT6A or higher.
  - Check your internet service provider's speed and your router/modem's capabilities.
- **Adapter Gets Warm:**
  - It is normal for the adapter to generate some heat during operation, especially during high data transfer or when providing power delivery. The aluminum casing is designed for heat dissipation.
  - If the adapter becomes excessively hot or exhibits unstable behavior, disconnect it and contact support.
- **Intermittent Connectivity:**
  - Ensure all connections are stable and not loose.
  - Update your device's operating system and adapter drivers to the latest versions.
  - Avoid placing the adapter near strong electromagnetic interference sources.

10. Maintenance

To ensure the longevity and optimal performance of your WAVLINK USB C to Ethernet Adapter:

- Keep the adapter clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the adapter to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the adapter yourself. This may void the warranty.
- Handle the cable and connectors gently to prevent damage.

11. Warranty and Support

WAVLINK products are designed for reliability and performance. For technical support or warranty inquiries, please contact WAVLINK customer service:

- **Phone Support:** +1 8889730883 (UTC -5, Monday - Friday, 9 AM - 6 PM)
- **Email Support:** Contact@wavlink.com

Please retain your proof of purchase for warranty service.

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Details

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