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## WAVLINK U41F

# WAVLINK U41F 40Gbps USB4 M.2 NVMe SSD Enclosure Instruction Manual

Model: U41F

## 1. PRODUCT OVERVIEW

The WAVLINK U41F 40Gbps USB4 M.2 NVMe SSD Enclosure provides a high-speed external storage solution. Equipped with a USB4 port, it supports data transfer speeds of up to 40Gbps for PCIe NVMe SSDs. When properly configured, it can achieve impressive read and write speeds of up to 3800MB/s. This enclosure supports capacity expansion up to 8TB, offering ample space for files, pictures, videos, and games.



Figure 1: WAVLINK U41F NVMe SSD Enclosure with included USB-C cable.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x USB4 PCIe NVMe SSD Enclosure
- 1 x USB-C to USB-C Cable
- 1 x Handy Strap
- 1 x Pouch
- 1 x Thermal Silicone Pad
- 1 x Aluminum Strip
- 1 x Quick Start Guide
- Several Screws (for optional use)



Figure 2: All components included in the WAVLINK U41F package.

### 3. SPECIFICATIONS

<b>Model Number</b>	U41F
<b>Data Transfer Rate</b>	40 Gigabits Per Second (USB4)
<b>Compatible SSDs</b>	M key and B&M Key PCIe NVMe SSDs (2280 size, double-sided supported)
<b>Incompatible SSDs</b>	AHCI/SATA SSDs
<b>Max Storage Capacity</b>	8 TB
<b>Hardware Interface</b>	USB4 Type C
<b>Material</b>	Aluminum
<b>Dimensions</b>	4.7 x 2 x 0.7 inches
<b>Weight</b>	1.41 ounces

### 4. SETUP AND INSTALLATION

The WAVLINK U41F enclosure features tool-free installation for quick and convenient setup.

1. **Open the Enclosure:** Pull up the top cover to open the enclosure and insert the silicone buckle.
2. **Prepare SSD for Cooling:** Attach the thermal silicone pad to the SSD, then place the aluminum strip over it. Ensure protective films are removed from both the pad and the strip.
3. **Insert SSD:** Insert the SSD into the M.2 slot at a 45-degree angle and adjust the silicone buckle to secure it.
4. **Close Enclosure:** Reattach the aluminum case to the enclosure, ensuring it clicks securely into place.



Figure 3: Visual guide for the tool-free installation process of an NVMe SSD into the enclosure.

## Video: Installation Guide

Video 1: A detailed demonstration of how to install an M.2 SSD into the WAVLINK enclosure.

## 5. OPERATING INSTRUCTIONS

### Plug and Play

The WAVLINK U41F enclosure supports plug and play functionality. Simply connect the enclosure to your device using the provided USB-C to USB-C cable. No additional drivers are required for most operating systems.

### Compatibility

The enclosure is compatible with a wide range of operating systems, including Windows, Mac OS, and Linux. Ensure your device has a USB4, Thunderbolt 4, or Thunderbolt 3 port to achieve optimal performance. Performance may be limited on Thunderbolt 3 and normal USB ports.

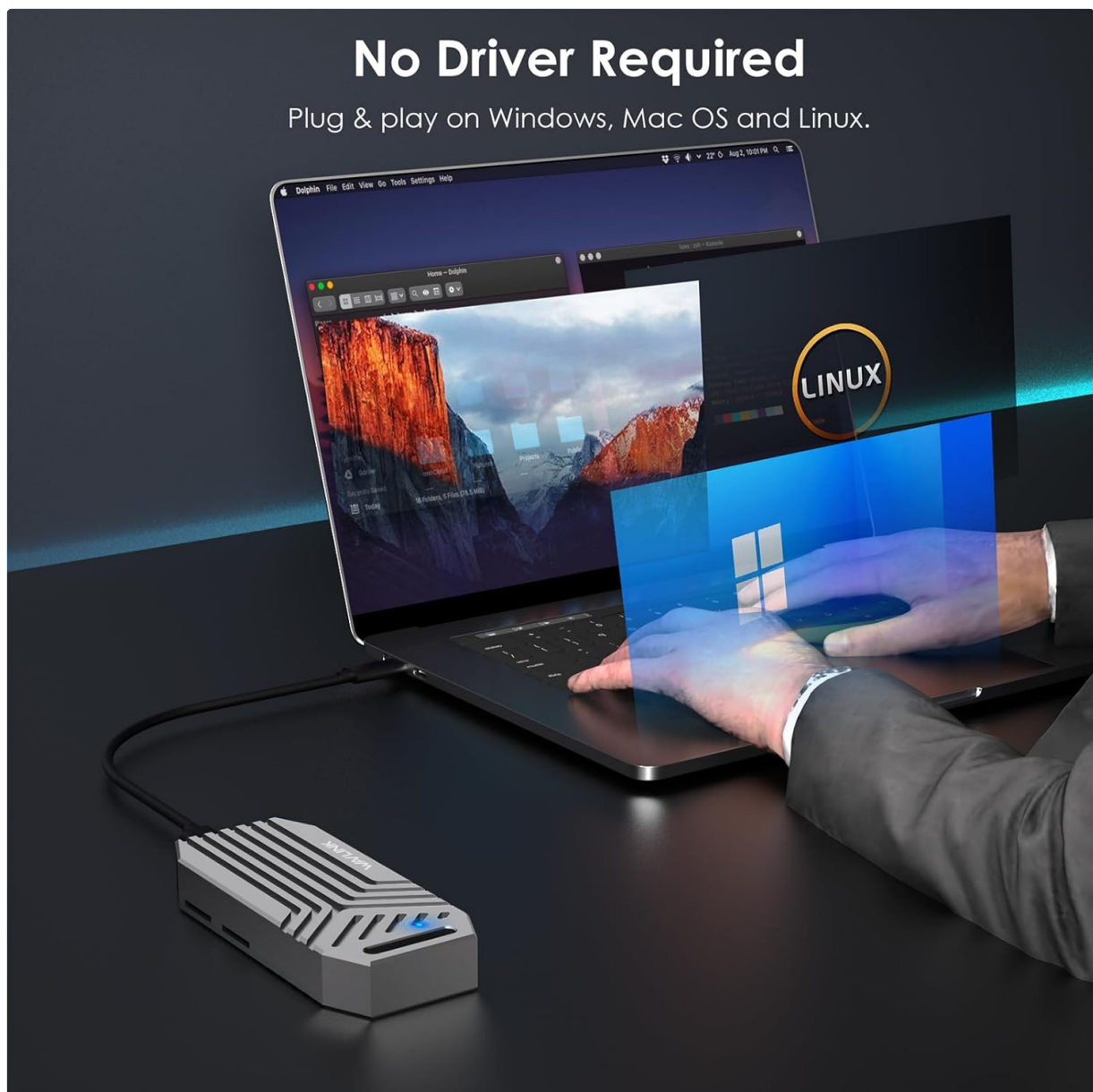


Figure 4: The enclosure offers plug-and-play compatibility across various operating systems.

## 6. PERFORMANCE AND COOLING

### High-Speed Data Transfer

Experience data transfer speeds of up to 40Gbps with compatible PCIe NVMe SSDs and USB4/Thunderbolt 4/3 ports. This allows for read and write speeds up to 3800MB/s, significantly reducing transfer times for large files.



Figure 5: High-speed data transfer capabilities of the WAVLINK U41F enclosure.

### Comprehensive Cooling System

The enclosure features a full aluminum alloy body and a dual-sided perforated design for 360° heat dissipation. A built-in fan, thermal silicone pad, and aluminum strip work together to maintain optimal operating temperatures, ensuring stable performance and extending the lifespan of your SSD.



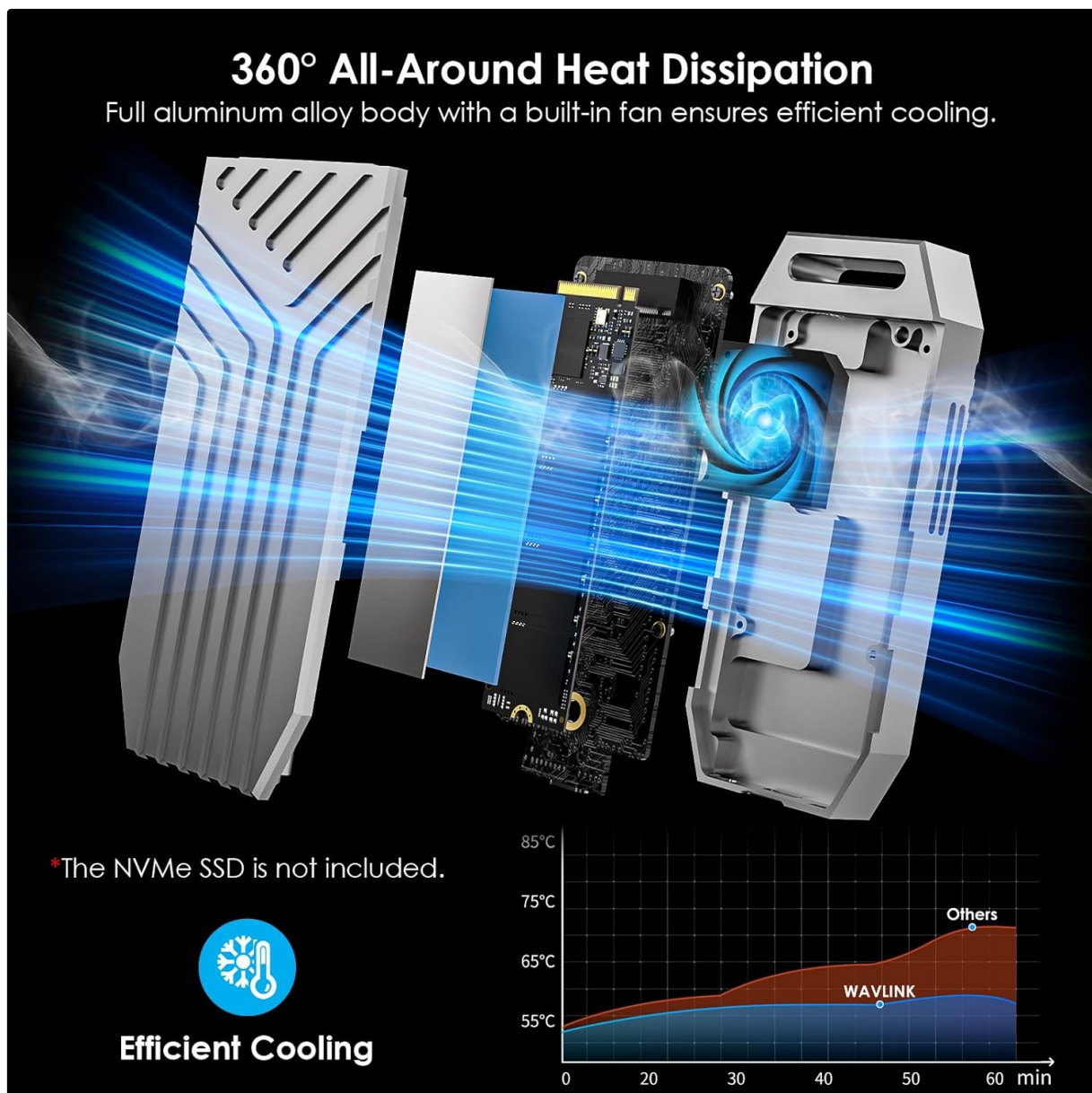


Figure 6: Internal components and design features for efficient heat dissipation.

## Video: Speed Demonstration

Video 2: A short demonstration highlighting the fast data transfer speeds of the enclosure.

## 7. TROUBLESHOOTING






- **SSD Not Recognized:** Ensure the SSD is a compatible M key or B&M Key PCIe NVMe SSD (2280 size). AHCI/SATA SSDs are not supported. Check that the SSD is fully seated in the M.2 slot.
- **Slow Transfer Speeds:** Verify that your computer's USB port supports USB4 or Thunderbolt 4/3. Using older USB standards (e.g., USB 3.2/2.0) or incompatible cables will limit performance. Ensure your SSD is capable of the advertised speeds.
- **Overheating:** Confirm that the thermal silicone pad and aluminum strip are correctly installed on the SSD to facilitate heat transfer to the enclosure's aluminum body. Ensure the enclosure's vents are not obstructed.
- **New SSD Formatting:** If using a brand new SSD, it may need to be initialized and formatted before it appears in your operating system's file explorer. Refer to your operating system's disk management tools for instructions.

## 8. WARRANTY AND SUPPORT

WAVLINK products are backed by a commitment to quality and customer satisfaction. For technical support, warranty information, or any inquiries, please contact WAVLINK directly.

- **Phone Support:** +1 8889730883 (UTC-5) Mon - Fri 9AM - 6PM
- **Email Support:** [Contact@wavlink.com](mailto:Contact@wavlink.com)
- **Online Resources:** Visit the [WAVLINK Store on Amazon](#) for additional product information and support.

### Related Documents - U41F

	<p><a href="#">Wavlink USB-C Adapter Troubleshooting Guide and FAQ</a></p> <p>Find solutions to common issues with Wavlink USB-C adapters, including monitor detection, resolution problems, and connectivity. This guide provides troubleshooting steps and answers frequently asked questions for Wavlink products.</p>
	<p><a href="#">WAVLINK WL-UMD01 Pro USB-C Docking Station User Manual</a></p> <p>Comprehensive user manual for the WAVLINK WL-UMD01 Pro USB-C docking station, detailing its features, setup, troubleshooting, and specifications for triple display, high-speed data transfer, and power delivery.</p>
	<p><a href="#">Wavlink WL-ST334UA USB 3.0 Dual Bay HDD SSD Docking Station User Manual</a></p> <p>User manual for the Wavlink WL-ST334UA USB 3.0 Dual Bay External Hard Drive Docking Station. This guide covers setup, specifications, precautions, and the offline cloning function for HDD and SSDs.</p>
	<p><a href="#">WAVLINK 334UA-RD Dual-Bay HDD Docking Station &amp; Duplicator User Guide</a></p> <p>User guide for the WAVLINK 334UA-RD Dual-Bay External Hard Drive Docking Station and Duplicator. Learn about installation, system compatibility, drive removal, partitioning, formatting, and the offline cloning function.</p>
	<p><a href="#">Configurer et Utiliser un Répéteur WiFi WAVLINK</a></p> <p>Guide détaillé pour configurer votre Répéteur WiFi WAVLINK en mode Répéteur ou Point d'Accès (AP). Apprenez à étendre votre réseau sans fil, résoudre les problèmes de connexion et optimiser la couverture WiFi.</p>

<div><p>Read the following instructions carefully to ensure correct installation of the Wavlink adapter. Please refer to the Wavlink website for the latest version of the driver and the user manual.</p><p>1. Check the system requirements for the Wavlink adapter. The system requirements are listed on the Wavlink website.</p><p>2. Download the Wavlink driver from the Wavlink website. The driver is available for Windows 7, Windows 8, and Windows 10.</p><p>3. Install the Wavlink driver. Follow the instructions in the user manual to install the driver. The driver will be installed automatically if you have an internet connection.</p><p>4. Restart your computer. After the driver is installed, restart your computer to ensure the driver is loaded correctly.</p><p>5. Check the Wavlink adapter status. After the driver is installed, the Wavlink adapter should be recognized by the system. You can check the status of the adapter in the Device Manager.</p><p>6. Troubleshooting. If you encounter any problems with the Wavlink adapter, please refer to the Wavlink website for troubleshooting tips.</p><p>7. Contact Wavlink support. If you are unable to resolve the problem, please contact Wavlink support for assistance.</p></div>	<div><h3>Wavlink WiFi Adapter Troubleshooting Guide</h3><p>A troubleshooting guide for common issues encountered with Wavlink WiFi adapters, including device detection, driver installation, and WiFi connectivity problems. Provides step-by-step solutions and configuration advice.</p></div>
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