WAVLINK WL-UG69DK1

WAVLINK USB C Universal Docking Station WL-UG69DK1 Instruction Manual

Model: WL-UG69DK1

1. PRODUCT OVERVIEW

The WAVLINK USB C Universal Docking Station (WL-UG69DK1) is a versatile 15-in-1 solution designed to expand the connectivity of your laptop or desktop PC. It supports multiple displays, high-speed data transfer, and network connectivity through a single USB-C or USB-A connection.

Image 1: Front and rear view of the WAVLINK USB C Universal Docking Station.

Key Features:

- **15-in-1 Connectivity:** Universal USB 3.0 Type-C and Standard-A connectors for broad compatibility.
- **UHD Dual 4K or Single 5K Display:** Supports dual DisplayPort output up to 5K (5120 x 2880@60Hz) or dual HDMI/DP+HDMI display up to 4K (4096 x 2160@60Hz).
- **High-Speed USB Ports:** 6 x USB A ports with transfer speeds up to 5Gbps.
- **Gigabit Ethernet:** Provides stable and fast wired network connection.
- **Audio/Mic Jack:** Integrated audio output and microphone input.
- **DisplayLink Technology:** Built-in USB 3.0 GPU reduces dependence on your computer's CPU, supports DP MST (Multi-Streaming), and offers Extend and Mirror Video Modes.

2. PACKAGE CONTENTS

Ensure all items are present in the package:

- 1 x WAVLINK 15-in-1 USB C Universal Docking Station
- 1 x DC 20V/2.5A Power Adapter
- 1 x USB 3.0 C to C Cable
- 1 x USB 3.0 A to C Cable
- 1 x User Manual

Image 2: Contents of the WAVLINK docking station package.

3. SETUP GUIDE

Follow these steps to set up your WAVLINK docking station:

3.1 Connect Power

1. Connect the DC 20V/2.5A Power Adapter to the 'DC 20V' port on the back of the docking station.
2. Plug the power adapter into a wall outlet. The power LED on the front of the docking station should illuminate.

3.2 Connect to Host Device

1. Use the provided USB 3.0 C to C Cable or USB 3.0 A to C Cable to connect the docking station to your laptop or desktop PC. The upstream Type-C port on the docking station is used for this connection.

3.3 Connect Displays

The docking station features 2 HDMI and 2 DisplayPort outputs. You can connect up to two external monitors.

1. Connect your monitors to the available HDMI or DisplayPort outputs on the back of the docking station.
2. For optimal performance and to avoid compatibility issues, it is recommended to use homogeneous display types (e.g., all HDMI or all DisplayPort) if possible.
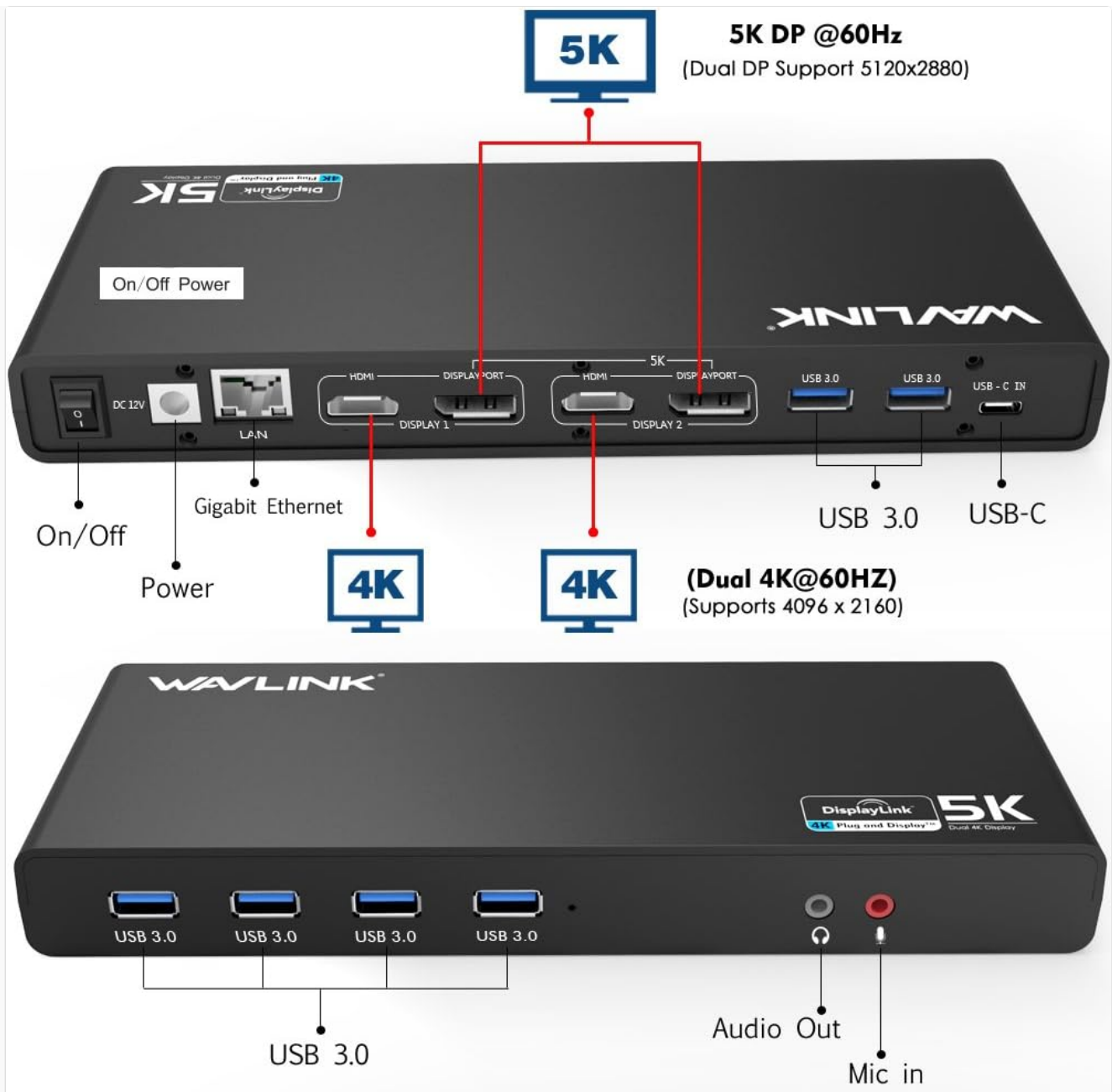
Image 3: Detailed view of the docking station's front and rear ports.

3.4 Connect Peripherals

Connect your USB devices, Ethernet cable, and audio devices:

1. **USB Devices:** Plug your keyboard, mouse, external drives, or other USB devices into the 6 USB 3.0 Type-A ports (4 on the front, 2 on the back).
2. **Ethernet:** Connect an Ethernet cable to the Gigabit Ethernet port for a stable wired network connection.
3. **Audio:** Connect headphones or speakers to the Audio Out jack and a microphone to the Mic In jack on the front.

One Dock for All

The WAVLINK Universal Dock allows you Easily connect various devices at once helping you keep your workspace organized and efficient at all times.

Image 4: The docking station connected to various peripherals.

3.5 Driver Installation

The WAVLINK docking station utilizes DisplayLink technology, which requires a driver for full functionality, especially for multiple displays. Drivers are available for Windows, macOS, and ChromeOS.

1. Visit the official DisplayLink website (or WAVLINK support page) to download the latest drivers compatible with your operating system.
2. Install the DisplayLink driver following the on-screen instructions. A system restart may be required.

Video 1: Instructions on how to install the DisplayLink driver on Mac.

4. OPERATING INSTRUCTIONS

4.1 Display Modes

Once drivers are installed and monitors are connected, you can configure your display settings:

- **Extend Mode:** Extends your desktop across multiple monitors, allowing for more workspace.
- **Mirror Mode:** Duplicates your primary display onto all connected monitors.
- **Primary/Replace Mode:** Uses an external monitor as the primary display or replaces the laptop's built-in

screen.

Primary or Replace mode

Mirror Display

Extend Display

Image 5: Illustration of Primary/Replace, Mirror, and Extend display modes.

4.2 Resolution Support

- **Dual 4K (4096 x 2160@60Hz):** Supported via HDMI/DP + HDMI/DP combinations.
- **Single 5K (5120 x 2880@60Hz):** Supported when using dual DisplayPort outputs simultaneously with a single 5K monitor/TV.
- Backward compatible with lower resolutions such as 3440x1440, 2560x1440, and 1920x1080 (1080P).

Dual 4K

(HDMI+HDMI/HDMI+DP/DP+DP)

Support Two 4K (3840x2160)@60Hz.

Single 5K

Support DisplayPort output up
to 5120 x 2880@60Hz when using dual DP
 simultaneously and with single 5K monitor/TV.

Image 6: Visual representation of Dual 4K and Single 5K display capabilities.

Video 2: A brief overview of the WAVLINK Universal Docking Station (Model 69DK1).

Video 3: An overview of the WAVLINK Universal Docking Station (Model UG69DK1).

5. COMPATIBILITY

The WAVLINK WL-UG69DK1 docking station offers wide compatibility with various operating systems and devices:

- **Operating Systems:** Windows 11/10/8.1/8/7, Windows Vista (7.7), Windows XP (7.6), Mac OS X 10.6 - 10.14 OS/macOS Monterey, ChromeOS from build R51, Android v5.0 (Lollipop) or Later.
- **Devices:** Laptops, ultrabooks, tablets, Android devices, Chromebooks, and MacBooks.

For the most up-to-date compatibility information and driver details, please refer to the official DisplayLink website.
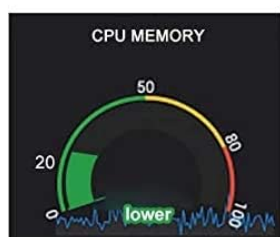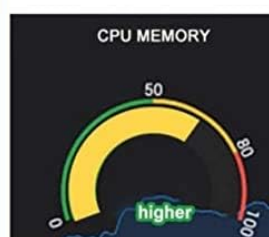
Image 7: Compatibility overview for WAVLINK Universal Docking Station.

6. SPECIFICATIONS

Feature	Detail
Model Number	WL-UG69DK1

Product Dimensions	8.98 x 3.35 x 1.1 inches
Item Weight	1.65 pounds (750 Grams)
Total Ports	15
Video Outputs	2 x HDMI, 2 x DisplayPort
USB Ports	6 x USB 3.0 Type-A
Network Interface	Gigabit Ethernet
Audio Interface	Audio Out, Mic In
Power Input	DC 20V/2.5A

7. TROUBLESHOOTING

7.1 Display Issues

- **No Display/Flickering:** Ensure DisplayLink drivers are correctly installed and up-to-date. Try restarting your computer. Verify all display cables (HDMI/DisplayPort) are securely connected.
- **Mixed Display Types:** If using a mix of HDMI and DisplayPort monitors, ensure they are connected to the correct corresponding ports on the docking station. Some systems may prefer homogeneous display connections for stability.
- **Incorrect Resolution/Arrangement:** Adjust display settings within your operating system (Windows Display Settings, macOS System Preferences > Displays).

7.2 Connectivity Issues

- **USB Devices Not Recognized:** Ensure the docking station is properly powered and connected to your host device. Try connecting the USB device to a different port on the docking station.
- **Ethernet Not Working:** Check the Ethernet cable connection to both the docking station and your router/modem. Verify network settings on your computer.

7.3 Charging Issues

- **Laptop Not Charging:** This specific model (WL-UG69DK1) primarily powers the docking station itself and connected peripherals. While it features an upstream Type-C port, it does not explicitly state power delivery to the host laptop. Some users have reported needing to use their laptop's dedicated charging cable.

8. MAINTENANCE

To ensure the longevity and optimal performance of your WAVLINK docking station:

- Keep the device in a cool, dry place away from direct sunlight and heat sources.
- Avoid exposing the device to water or excessive moisture.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure proper ventilation around the docking station to prevent overheating.

9. WARRANTY AND SUPPORT

The WAVLINK 15-in-1 USB C Universal Docking Station comes with a 12-month worry-free warranty (with an extra 6 months for registered members) and life-long technical support.

For technical assistance, driver updates, or warranty claims, please visit the official WAVLINK support website or contact their customer service.

Related Documents - WL-UG69DK1

	WAVLINK WL-UG69PD24 USB-C Triple 4K Docking Station User Guide Comprehensive user guide for the WAVLINK WL-UG69PD24 USB-C Triple 4K Universal Docking Station. Learn about its features, setup, driver installation for Windows and Mac, display configurations, and troubleshooting FAQs.
	WAVLINK WL-UG63PD25 USB-C Triple Display Universal Docking Station Quick Start Guide This guide provides instructions for setting up and using the WAVLINK WL-UG63PD25 USB-C Triple Display Universal Docking Station, including driver installation for Windows and macOS, display configurations, and troubleshooting tips.
	WAVLINK WL-UMD03 USB-C Triple Display Docking Station Quick Start Guide Comprehensive guide to setting up and using the WAVLINK WL-UMD03 USB-C Triple Display Docking Station, featuring USB Power Delivery, triple display support, Gigabit Ethernet, and SD/TF card reader.
	WAVLINK WL-UMD01 Pro USB-C Docking Station User Manual 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.
	WAVLINK Displaylink Docking Station FAQ and Usage Guide Frequently asked questions and answers regarding the WAVLINK Displaylink Docking Station, covering topics such as heat dissipation, display connectivity, power delivery, content playback restrictions, and suitability for gaming.
	WAVLINK WL-UMD05M Pro USB-C Docking Station: Quick Start Guide & Specifications Comprehensive quick start guide for the WAVLINK WL-UMD05M Pro USB-C Triple Display Docking Station. Features include 8K/4K@144Hz display support, USB Power Delivery, and high-speed data transfer. Includes installation, system requirements, and troubleshooting.