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## NEXUSLINK WB-1750 KIT

# NEXUSLINK Wireless Gaming Bridge (WB-1750-KIT) Instruction Manual

High-Speed AC1750 with MU-MIMO for Low Latency

## Product Overview

The NEXUSLINK Wireless Gaming Bridge (WB-1750-KIT) provides a stable, high-speed wireless connection for gaming and streaming, eliminating the need for extensive cabling. This 2-unit kit utilizes AC1750 and MU-MIMO technology to ensure low latency and a robust connection, even in environments with multiple active devices.




Figure 1: Two units of the NEXUSLINK Wireless Gaming Bridge.

## Key Features:

- **Fast, Reliable Connection:** Delivers stable, high-speed performance for gaming and streaming, capable of penetrating walls for uninterrupted signal.
- **Lag-Free Performance:** Equipped with MU-MIMO technology and a powerful AC1750 signal to maintain strong connectivity, even with multiple users.
- **Dual Gigabit Ethernet Ports:** Each unit features two Gigabit Ethernet ports for wired connections to devices like gaming consoles, smart TVs, or PCs.
- **Easy WPS Setup:** Simple plug-and-play installation with a one-touch WPS button for quick pairing.
- **Optimized for Gaming & Streaming:** Designed to provide a smooth, high-speed experience, adapting to various home environments.




Figure 2: Connectivity options and core features of the Wireless Gaming Bridge.

## Package Contents

Your NEXUSLINK Wireless Gaming Bridge (WB-1750-KIT) package should contain the following items:

- 2 x NEXUSLINK Wireless Gaming Bridge Units (WB-1750)
- 2 x Power Adapters
- 1 x Ethernet Cable (for initial router connection)
- 1 x Quick Start Guide

If any items are missing or damaged, please contact NEXUSLINK customer support.

## Setup and Installation

The NEXUSLINK Wireless Gaming Bridge is designed for easy, plug-and-play setup using WPS (Wi-Fi Protected

Setup).

## Step-by-Step Installation:

1. **Identify Units:** Label one unit as "Bridge 1" and the other as "Bridge 2" for easier setup.
2. **Connect Bridge 1:** Place "Bridge 1" near your existing router or modem. Connect one end of the provided Ethernet cable to an available LAN port on your router/modem and the other end to one of the Gigabit Ethernet ports on "Bridge 1".
3. **Power On Bridge 1:** Plug the power adapter into "Bridge 1" and then into a power outlet. Wait for the unit to power on and its indicator lights to stabilize.
4. **Connect Bridge 2:** Place "Bridge 2" in the desired location where you need a wired connection (e.g., near your gaming console, PC, or smart TV).
5. **Power On Bridge 2:** Plug the power adapter into "Bridge 2" and then into a power outlet. Wait for the unit to power on.
6. **Initiate WPS Pairing:**
    - On "Bridge 1", press the WPS button. The WPS indicator light will start blinking.
    - Within two minutes, press the WPS button on "Bridge 2". Its WPS indicator light will also start blinking.
7. **Confirm Connection:** The WPS lights on both units should turn solid, indicating a successful wireless connection between the two bridges. The ETH (Ethernet) lights will illuminate when a device is connected via Ethernet.
8. **Connect Your Device:** Connect your gaming console, PC, or other Ethernet-enabled device to one of the Gigabit Ethernet ports on "Bridge 2" using an Ethernet cable (not included for the end device).




Figure 3: The WPS button and Gigabit Ethernet ports for easy setup and connectivity.

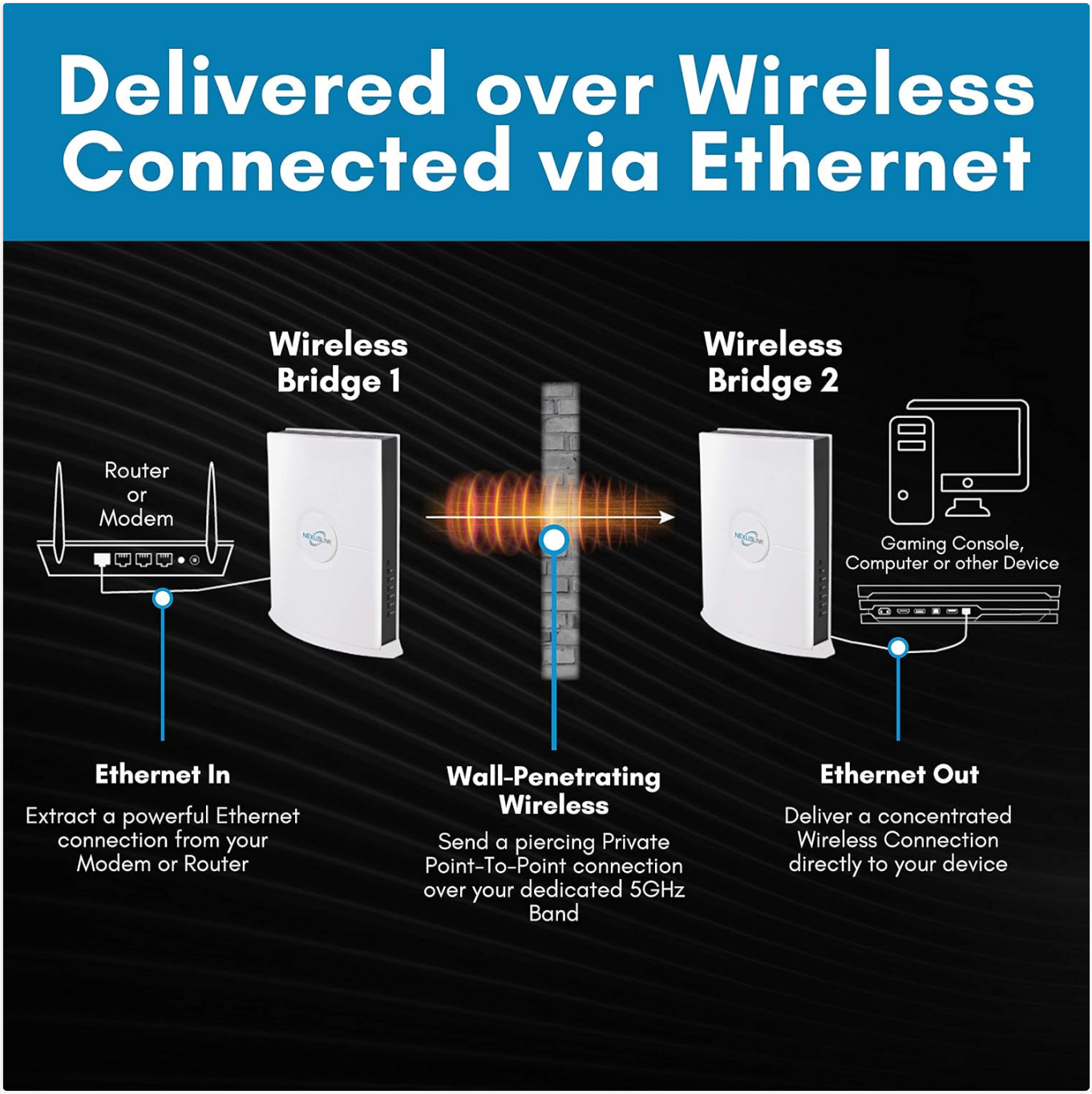



Figure 4: How the Wireless Gaming Bridge delivers wired stability over a wireless connection.

## Operating Instructions

Once the two Wireless Gaming Bridge units are successfully paired, they will automatically establish and maintain a dedicated 5GHz wireless link. This link acts as a virtual Ethernet cable, providing a stable and high-speed connection to your connected devices.

### Indicator Lights:

- **Client/AP:** Indicates whether the unit is operating as a Client (receiving end) or Access Point (transmitting end).
- **WPS:** Solid light indicates successful WPS pairing. Blinking light indicates WPS pairing in progress.
- **WiFi:** Indicates wireless activity.
- **ETH1/ETH2:** Illuminates when a device is connected to the respective Gigabit Ethernet port. Blinks with data activity.
- **Power:** Solid light indicates the unit is powered on.




Figure 5: Experience wired Ethernet stability with the convenience of wireless connectivity.

## Optimizing Performance:

- Ensure both units are within reasonable range of each other. While designed to penetrate walls, excessive distance or multiple thick obstructions may impact performance.
- Avoid placing units near large metal objects or appliances that emit strong electromagnetic interference (e.g., microwaves, cordless phones).
- For optimal gaming and streaming, connect your primary device directly to the bridge unit via an Ethernet cable.




Figure 6: The Wireless Gaming Bridge extends high-performance connectivity throughout your home.




Figure 7: The bridge is ideal for online video streaming and gaming, ensuring low latency and stable performance.

## Maintenance

To ensure the longevity and optimal performance of your NEXUSLINK Wireless Gaming Bridge, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the exterior of the units with a soft, dry cloth. Do not use liquid cleaners or aerosol sprays.
- **Ventilation:** Ensure the ventilation holes on the units are not blocked. Proper airflow prevents overheating.
- **Firmware Updates:** Periodically check the NEXUSLINK official website for any available firmware updates. Updates can improve performance and add new features.
- **Power Cycle:** If you experience any minor issues, try power cycling the units by unplugging them from the power outlet for 10 seconds and then plugging them back in.

## Troubleshooting

If you encounter issues with your Wireless Gaming Bridge, refer to the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|---|---|---|
| No power/Lights off | Power adapter not connected or faulty outlet. | Ensure power adapters are securely plugged into both the unit and a working electrical outlet. Try a different outlet. |
| WPS light blinking continuously or not solid | Pairing failed or not initiated correctly. | Repeat the WPS pairing process (press WPS on Bridge 1, then on Bridge 2 within 2 minutes). Ensure units are within range. |
| No internet connection on connected device | Ethernet cable issue, bridge not paired, or router problem. | Verify WPS lights are solid on both units.<br>Check Ethernet cable connections from router to Bridge 1, and from Bridge 2 to your device.<br>Ensure your main router has an active internet connection.<br>Power cycle both bridge units and your router. |
| Slow speeds or intermittent connection | Interference, distance, or network congestion. | Relocate units closer to each other or away from sources of interference.<br>Ensure line of sight is as clear as possible between units.<br>Confirm no other high-bandwidth activities are saturating your main network. |

## Specifications

- **Brand:** NEXUSLINK
- **Model Name:** WB-1750 KIT
- **Wireless Communication Standard:** 802.11ac
- **Frequency Band Class:** Dual-Band (primarily 5 GHz for bridge link)
- **Connectivity Technology:** Wi-Fi, Ethernet
- **Ethernet Ports:** 2 x Gigabit Ethernet ports per unit
- **Special Features:** QoS, WPS, MU-MIMO
- **Recommended Uses:** Gaming, Streaming
- **Item Weight:** 2.9 pounds (total for kit)
- **Package Dimensions:** 14.29 x 8.9 x 3.7 inches
- **Manufacturer:** NexusLink
- **Country of Origin:** China

## Warranty and Support

NEXUSLINK products are designed for reliability and performance. For information regarding product warranty, technical support, or to purchase extended protection plans, please refer to the official NEXUSLINK website or contact their customer service directly.
Extended protection plans are available for purchase, including 3-Year and 4-Year options, as well as a monthly "Complete Protect" plan. Please check with your retailer for details on available protection plans.

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