Linksys EA4500

Linksys N900 EA4500 Wi-Fi Wireless Dual-Band+ Router Instruction Manual

1. PRODUCT OVERVIEW

The Linksys N900 EA4500 is a high-performance Wi-Fi Wireless Dual-Band+ Router designed to support high-bandwidth applications such as video streaming and file sharing. It features dual-band 3x3 wireless technology, offering speeds up to 450+450Mbps for a robust and efficient home network.

Key features include:

- Smart Wi-Fi Apps, Tools & Mobility for network management.
- Home Cloud for Media Management.
- Parental Controls & Separate Guest Network for enhanced security and access management.
- Wireless N Simultaneous Dual-band 2.4GHz & 5GHz for optimal performance.
- Gigabit Ethernet ports for fast wired connections.
- USB Ports for Storage Link functionality, transforming any USB storage device into a Network Attached Storage (NAS).

Image: Linksys N900 EA4500 Wi-Fi Wireless Dual-Band+ Router. This image displays the sleek, black router with a silver band across its top, featuring the Cisco and Linksys EA4500 branding.

2. SETUP

2.1 Initial Installation

To set up your Linksys EA4500 router, follow these steps:

1. Disconnect your old router's cable from the modem and your computer.
2. Connect one end of the power cable to your new Linksys EA4500 router and the other end to a power outlet.
3. Connect one end of the included blue Ethernet cable to the yellow Internet port on your router.
4. Connect the other end of the blue Ethernet cable to your modem.
5. If your computer is not wireless-enabled, connect it to your router using a network cable.
6. Insert the setup CD into your computer and follow the on-screen instructions to complete the installation.

Video: How to Install. This video provides a visual guide on the step-by-step installation process for the Linksys Smart Wi-Fi Router, including connecting cables and using the setup software.

Video: Start Here. This video introduces the Linksys Smart Wi-Fi Router and highlights the initial steps to begin using your new device.

3. OPERATING THE ROUTER WITH CISCO CONNECT CLOUD

The Linksys EA4500 router is powered by Cisco Connect Cloud, offering a suite of features to manage your home network from anywhere. Access your network through any web browser or via the dedicated mobile app for smartphones and tablets.

3.1 Cisco Connect Cloud Overview

Cisco Connect Cloud provides a user-friendly interface to monitor and control your network. It includes a growing library of applications (apps) that enhance your online experience.

Video: Cisco Connect Cloud. This video explains the functionalities and benefits of Cisco Connect Cloud, demonstrating how it allows anytime, anywhere access to your home network.

3.2 Guest Access

The Guest Access feature allows you to provide internet access to visitors without compromising the security of your main network or private files. You can easily enable and manage a separate guest network.

1. Navigate to the Guest Access tab in the Cisco Connect Cloud interface.
2. Create a guest network name and password.
3. Specify the number of guests allowed.
4. Turn on Guest Access.
5. Share the guest network name and password with your visitors.

Video: Guest Access. This video demonstrates how to set up and manage guest access on your Linksys Smart Wi-Fi Router using Cisco Connect Cloud, allowing visitors secure internet access.

3.3 Parental Controls

Manage internet access for devices on your network with Parental Controls. This feature allows you to block specific websites or restrict internet access during certain times.

1. Access Parental Controls through the Cisco Connect Cloud interface.
2. Select the device you wish to manage.
3. Set time restrictions for internet usage or block access to specific websites.
4. Monitor device usage and receive notifications for certain activities.

Video: Parental Controls. This video illustrates how to utilize the parental control features within Cisco Connect Cloud to manage internet access and content for devices on your home network.

3.4 Media Prioritization

Optimize your network's performance for streaming and gaming by prioritizing bandwidth for specific devices or applications.

1. Access the Media Prioritization feature in Cisco Connect Cloud.
2. Select the device (e.g., Smart TV, gaming console) or application you wish to prioritize.
3. Adjust the priority settings to allocate more bandwidth to your chosen device or application.

Video: Media Prioritization. This video demonstrates how to use Media Prioritization in Cisco Connect Cloud to allocate network bandwidth, ensuring a smooth streaming and gaming experience.

4. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your Linksys EA4500 router.

- **Firmware Updates:** Periodically check the Linksys support website for firmware updates. Updating the firmware can improve performance, add new features, and fix security vulnerabilities. Follow the instructions provided with the firmware update carefully.
- **Physical Cleaning:** Keep the router in a clean, dust-free environment. Gently wipe the exterior with a soft, dry cloth. Ensure ventilation openings are not obstructed.
- **Restarting the Router:** If you experience slow speeds or connectivity issues, try restarting your router by unplugging it from the power source for 10-15 seconds, then plugging it back in.
- **Placement:** Position your router in a central location, away from obstructions and other electronic devices that may cause interference, to maximize Wi-Fi coverage.

5. TROUBLESHOOTING

If you encounter issues with your Linksys EA4500 router, consider the following troubleshooting steps:

- **No Internet Connection:**

  - Check all cable connections between the modem, router, and computer. Ensure they are secure.
  - Restart your modem and router. Unplug both devices, wait 30 seconds, then plug in the modem first. Once the modem is fully online, plug in the router.
  - Verify your Internet Service Provider (ISP) is not experiencing an outage.

- **Slow Wi-Fi Speeds:**

  - Ensure your router's firmware is up to date.
  - Check for interference from other devices (cordless phones, microwaves) and reposition your router if necessary.
  - Use the Media Prioritization feature in Cisco Connect Cloud to prioritize bandwidth for critical devices.
  - Consider changing your Wi-Fi channel to avoid congestion.

- **Cannot Access Cisco Connect Cloud:**

    - Ensure your device has an active internet connection.
    - Verify you are using the correct login credentials.
    - Clear your browser's cache and cookies, or try a different browser.

- **Forgotten Wi-Fi Password:**

    - Log into Cisco Connect Cloud to retrieve or change your Wi-Fi password.
    - If you cannot log in, you may need to perform a factory reset on the router and reconfigure it.

6. SPECIFICATIONS

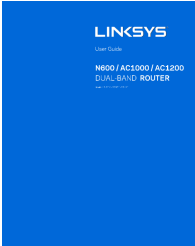| Feature	Specification
Wireless Type	802.11ac (backward compatible with 802.11n/g/b/a)
Model Name	EA4500
Frequency Band Class	Dual-Band (2.4 GHz and 5 GHz)
Wireless Speed	Up to 450Mbps + 450Mbps
Ethernet Ports	4 Gigabit Ethernet Ports
USB Ports	USB Ports (for Storage Link)
Operating System	Linux
Item Weight	1.87 pounds
Product Dimensions (LxWxH)	2.83 x 12.01 x 9.17 inches
Color	Black
Included Components	N900 Dual-band N Router With 4 Gigabit Ports

7. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Linksys website or the documentation included with your product. Support resources typically include FAQs, troubleshooting guides, and contact information for customer service.

Related Documents - EA4500

[Linksys WRT1900AC Dual-Band Gigabit Wi-Fi Router User Guide](#)
Comprehensive user guide for the Linksys WRT1900AC Dual-Band Gigabit Wi-Fi Router, covering setup, configuration, features, and troubleshooting for optimal home network performance.

	Linksys EA6350 Smart Wi-Fi Router User Guide Comprehensive user guide for the Linksys EA6350 Smart Wi-Fi AC1200 Dual-Band Router, covering product overview, setup, usage of Linksys Smart Wi-Fi features, troubleshooting, and specifications.
	Linksys EA6900 User Guide: Setup, Features, and Troubleshooting Comprehensive user guide for the Linksys EA6900 Smart Wi-Fi Dual-Band AC1900 Router. Learn about setup, features, advanced configurations, troubleshooting, and specifications.
	Linksys EA8500 AC2600 MU-MIMO Gigabit Router User Guide User guide for the Linksys EA8500 AC2600 MU-MIMO Gigabit Router, covering product overview, setup instructions, troubleshooting common issues, and technical specifications.
	Linksys MAX-STREAM AC2200 MU-MIMO Tri-Band Router EA8300 User Guide Comprehensive user guide for the Linksys MAX-STREAM AC2200 MU-MIMO Tri-Band Router (Model EA8300), covering product overview, setup, features like Smart Wi-Fi, Network Map, Guest Access, Parental Controls, troubleshooting, and specifications.
	Linksys N600/AC1000/AC1200 Dual-Band Router User Guide Comprehensive user guide for Linksys N600, AC1000, and AC1200 dual-band routers (models E2500, E5350, E5400). Learn how to set up, configure advanced settings, secure your Wi-Fi, and troubleshoot common issues with this essential manual.