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Linksys WRVS4400N

Linksys WRVS4400N 4-Port Gigabit Wireless-N VPN Security Router User Manual

Model: WRVS4400N

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1. Introduction

This manual provides detailed instructions for the installation, configuration, and operation of your Linksys WRVS4400N 4-Port Gigabit Wireless-N VPN Security Router. This device is designed to provide secure and high-speed network connectivity for your home or small office environment, combining wireless-N technology with Gigabit Ethernet ports and VPN capabilities. Please read this manual thoroughly before setting up your router to ensure proper functionality and to maximize its features.



Figure 1: Linksys WRVS4400N Router. This image displays the Linksys WRVS4400N router, a white and black device with three adjustable antennas, designed for secure wireless and wired network connectivity.

2. Setup

2.1 Package Contents

Ensure all items are present in the package:

- Linksys WRVS4400N Router
- Power Supply Unit
- Ethernet Cable
- Documentation (Quick Start Guide, CD-ROM with software/manual)

2.2 Physical Connection

1. **Position the Router:** Place the router in a central location to maximize wireless coverage. Avoid placing it near large metal objects or other electronic devices that may cause interference.
2. **Connect to Power:** Connect the power adapter to the router's power port and then plug it into an electrical outlet. The Power LED on the front panel should illuminate.
3. **Connect to Internet:** Connect one end of an Ethernet cable to your modem's LAN port and the other end to the router's **Internet (WAN)** port.
4. **Connect Devices (Optional):** For wired connections, connect Ethernet cables from your computers or other network devices to any of the router's numbered **Ethernet (LAN)** ports.

2.3 Initial Configuration

1. **Access the Setup Page:** Open a web browser (e.g., Chrome, Firefox) on a computer connected to the router (either wired or wirelessly).
2. **Enter Router IP:** In the browser's address bar, type the router's default IP address (commonly **192.168.1.1** or **192.168.0.1**) and press Enter. Refer to the router's label for the exact default IP.
3. **Login:** When prompted, enter the default username and password. The default username is usually **admin** and the password is **admin** or **password**. It is highly recommended to change these default credentials immediately after initial login for security purposes.
4. **Run Setup Wizard:** Follow the on-screen setup wizard to configure your internet connection type (e.g., DHCP, Static IP, PPPoE) and basic wireless settings (SSID, security key).

3. Operation

3.1 Wireless Network Configuration

To manage your wireless network settings:

- Navigate to the **Wireless** section in the router's web interface.
- Change the **Network Name (SSID)** to a unique name.
- Select a strong **Security Mode** (WPA2-Personal is recommended) and set a complex **Wireless Password (Passphrase)**.
- Utilize the **Wi-Fi Protected Setup (WPS)** feature for easy connection of WPS-compatible devices by pressing the WPS button on the router and the device.

3.2 VPN Setup

The WRVS4400N supports VPN (Virtual Private Network) functionality, allowing secure remote access to your network. Refer to the router's advanced settings for VPN configuration, which typically involves:

- Configuring VPN tunnels (e.g., IPSec).
- Setting up user accounts and authentication methods.
- Defining network access policies for VPN clients.

3.3 Security Features

The router includes various security features to protect your network:

- **Firewall:** Protects against unauthorized access from the internet.
- **Access Control:** Allows you to restrict internet access for specific devices or during certain times.
- **DMZ (Demilitarized Zone):** Forwards all ports to a single device, useful for gaming consoles or servers, but use with caution.

4. Maintenance

4.1 Firmware Updates

Regularly check for and install firmware updates from the official Linksys website. Firmware updates can improve performance, add new features, and address security vulnerabilities.

1. Download the latest firmware file for your specific model (WRVS4400N) from the Linksys support website.
2. Access the router's web interface.
3. Navigate to the **Administration** or **Firmware Upgrade** section.
4. Follow the on-screen instructions to upload and install the new firmware. **Do not power off the router during this process.**

4.2 Backup and Restore Configuration

It is advisable to back up your router's configuration settings before making significant changes or performing firmware updates.

- In the web interface, go to **Administration > Configuration Management**.
- Save the current configuration to a file on your computer.
- To restore, upload the saved configuration file from the same section.

4.3 Physical Cleaning

Keep the router free from dust to ensure proper ventilation and prevent overheating. Use a soft, dry cloth to clean the exterior. Do not use liquid cleaners.

5. Troubleshooting

5.1 No Internet Connection

- **Check Cables:** Ensure all Ethernet cables are securely connected to the router and modem.
- **Power Cycle:** Power off your modem, then your router. Wait 30 seconds, then power on the modem, wait for it to fully boot (usually indicated by stable lights), then power on the router.
- **Check WAN LED:** Verify that the Internet (WAN) LED on the router is lit, indicating a connection to your modem.
- **Router Settings:** Log into the router's web interface and check your internet connection settings. Ensure they match the information provided by your Internet Service Provider (ISP).

5.2 Wi-Fi Not Connecting or Slow

- **Check SSID and Password:** Ensure you are connecting to the correct wireless network name (SSID) and entering the correct password.
- **Signal Strength:** Move closer to the router to check if signal strength improves.
- **Interference:** Try changing the wireless channel in the router's settings to avoid interference from neighboring networks.
- **Firmware:** Ensure your router has the latest firmware installed.

5.3 Resetting to Factory Defaults

If you encounter persistent issues or forget your login credentials, you can reset the router to its factory default settings.
Warning: This will erase all your custom settings.

1. With the router powered on, locate the **Reset** button (usually a small, recessed button) on the back or bottom panel.
2. Use a paperclip or a similar pointed object to press and hold the Reset button for 10-15 seconds.
3. Release the button. The router will restart with factory default settings.

6. Specifications

Feature	Detail
Brand	Linksys
Model Name	WRVS4400N
Connectivity Technology	Wireless
Wireless Communication Standard	802.11n
Frequency Band Class	Dual-Band
Special Feature	WPS (Wi-Fi Protected Setup)
Antenna Type	Fixed
Compatible Devices	Personal Computer
Recommended Uses For Product	Security
Included Components	Router, power supply, accessories, documentation
Item Weight	2 pounds
Date First Available	February 24, 2013

7. Warranty Information

This Linksys product is covered by a limited warranty. For specific warranty terms and conditions, including duration and coverage details, please refer to the warranty card included with your product or visit the official Linksys website. Proof of purchase is typically required for warranty claims.

8. Technical Support

For technical assistance, troubleshooting, or additional information regarding your Linksys WRVS4400N router, please visit the official Linksys support website. You can find FAQs, driver downloads, firmware updates, and contact information for customer service there.
Linksys Support Website: www.linksys.com/support

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