Nexxt Solutions ARN04904U2

NEXXT Dual-Band Wireless Wi-Fi Router User Manual

Model: ARN04904U2

1. INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your NEXXT Dual-Band Wireless Wi-Fi Router, Model ARN04904U2. This router is designed to provide reliable and high-speed wireless connectivity for home and office environments, supporting internet browsing, gaming, and streaming. Key features include:

- **Dual-Band AC1200 Speed:** Provides up to 1200 Mbps for smooth streaming and browsing.
- **Beamforming Technology:** Boosts Wi-Fi coverage by directing signal strength towards connected devices.
- **Four Signal Amplifying Antennas:** Enhances signal quality and expands Wi-Fi range.
- **Advanced Security:** Supports WPA-PSK / WPA2-PSK encryption for real-time threat detection and prevention.
- **Easy Setup & Management:** Configurable via the NEXXT Solutions app for quick installation and device management, including parental controls.

2. WHAT'S IN THE BOX

Verify that all components are present in the package:

- NEXXT Dual-Band Wireless Wi-Fi Router (Model ARN04904U2)
- Power Adapter
- Ethernet Cable
- Quick Installation Guide

Figure 2.1: Front view of the NEXXT Dual-Band Wireless Wi-Fi Router, showing its sleek black design and four prominent antennas.

3. SETUP AND INSTALLATION

Follow these steps for a quick and easy setup of your router:

1. **Positioning the Router:** Place the router in a central location in your home or office, away from obstructions and other electronic devices that may cause interference. Ensure the antennas are oriented vertically for optimal signal distribution.

2. **Connect the Hardware:**

   - Connect one end of the provided Ethernet cable to the WAN port (usually a different color) on the router and the other end to your modem's Ethernet port.
   - Connect the power adapter to the router's power input and then plug it into a wall outlet.
   - Power on the router. Wait for the indicator lights to stabilize, which typically takes a few minutes.

Figure 3.1: Rear view of the router, highlighting the WAN port (often yellow) and multiple LAN ports for wired connections.

3. **Connect to the Router's Wi-Fi Network:**

   - On your computer or mobile device, search for available Wi-Fi networks.
   - Select the default Wi-Fi network name (SSID) printed on the label at the bottom of your router.
   - Enter the default Wi-Fi password (also on the label) when prompted.

4. **Initial Configuration via Nexxt Solutions App:**

   - Download the "NEXXT Solutions" app from your device's app store (Android or iOS).

- Open the app and follow the on-screen instructions to complete the setup process. This includes setting up your new Wi-Fi network name (SSID) and password, and configuring internet settings.
- The app guides you step-by-step, making the process straightforward.

Figure 3.2: The Nexxt Wireless app provides a user-friendly interface for managing your router settings and connected devices.

4. OPERATING YOUR ROUTER

Your NEXXT router offers various features to optimize your network performance and security.

4.1. Dual-Band Wireless Technology

The router operates on both 2.4GHz and 5GHz frequency bands. The 2.4GHz band provides wider coverage and better penetration through walls, suitable for general browsing and devices further away. The 5GHz band offers faster speeds and lower latency, ideal for gaming and HD video streaming in closer proximity to the router.

Figure 4.1: Illustration of Wireless-AC dual band technology, showing the router providing simultaneous dual-band connectivity for maximum throughput.

4.2. Beamforming Technology

NEXXT's Beamforming technology intelligently detects the location of your connected devices and concentrates the wireless signal strength directly towards them. This improves Wi-Fi coverage, especially for devices that are further away or have lower power, ensuring a more stable and efficient connection.

4.3. MU-MIMO Technology

The router incorporates MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) technology, which allows it to communicate with multiple devices simultaneously. This reduces congestion and improves overall network efficiency, leading to more reliable performance when many devices are connected.

Figure 4.2: Visual representation of MU-MIMO technology, demonstrating how the router efficiently handles multiple connected devices for less congestion and reliable performance.

4.4. Advanced Security Features

Your router is equipped with elite security services to protect your home network. It supports WPA-PSK / WPA2-PSK encryption, which is a strong encryption technology designed to detect and prevent real-time risks from the internet, keeping your Wi-Fi stable and secure. Utilize the Nexxt Solutions app to manage security settings, including guest networks and parental controls.

Figure 4.3: Depiction of advanced security features, including parental controls, ensuring a safe online environment for families.

4.5. Parental Controls

The Nexxt Solutions app allows you to create profiles for family members and assign age-based parental controls. This feature enables you to block access to unwanted content and manage internet usage for specific devices or users.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your router:

- **Firmware Updates:** Periodically check for firmware updates through the Nexxt Solutions app or the router's web interface. Updates often include performance improvements, security patches, and new features.
- **Restarting the Router:** If you experience slow speeds or connectivity issues, try restarting the router by unplugging it from the power outlet for 10-15 seconds and then plugging it back in.
- **Cleaning:** Keep the router free from dust and debris. Use a soft, dry cloth to clean the exterior. Do not use liquid cleaners.
- **Optimal Placement:** Ensure the router remains in a well-ventilated area to prevent overheating. Avoid placing it in enclosed spaces or near heat sources.

6. TROUBLESHOOTING

If you encounter issues with your NEXXT router, refer to the following common troubleshooting steps:

- **No Internet Connection:**

  - Check all cable connections between the modem and router, and between the router and your devices.
  - Restart both your modem and router.
  - Verify your internet service provider (ISP) is not experiencing an outage.

- **Slow Wi-Fi Speed:**

  - Ensure your devices are connected to the appropriate Wi-Fi band (5GHz for faster speeds, 2.4GHz for wider range).
  - Reduce interference by moving the router away from other electronics.
  - Limit the number of active devices or bandwidth-intensive activities on your network.
  - Consider repositioning the router for better signal coverage.

- **Frequent Disconnections:**

  - Update router firmware to the latest version.
  - Check for conflicting IP addresses on your network.
  - Ensure the router is not overheating.

- **Unexpected Redirects to Ads or Unwanted Pages:**

  Some users have reported instances where the router redirects invalid or mistyped website addresses to advertising pages, specifically through the `nexxtwifi.com` domain. This behavior is not typical for standard router operation and may indicate an issue with the router's default DNS handling or a potential security vulnerability. If you experience this, consider the following:

  - **Change DNS Settings:** Access the router's web interface (usually 192.168.1.1 or 192.168.0.1) and manually configure the DNS servers to a public, trusted provider like Google DNS (8.8.8.8 and 8.8.4.4) or Cloudflare DNS (1.1.1.1 and 1.0.0.1). This can bypass the router's default DNS redirection.

- **Firmware Update:** Ensure your router's firmware is up to date. Manufacturers often release updates to address security concerns and improve functionality.
- **Factory Reset:** As a last resort, perform a factory reset on the router. This will revert all settings to their default state. You will need to reconfigure your network from scratch.
- **Contact Support:** If the issue persists, contact Nexxt Solutions customer support for further assistance.

Note: The provided video demonstrates this specific issue where mistyped URLs are redirected to ad pages via the router's internal DNS handling, specifically through `nexxtwifi.com` . This behavior is not expected and should be addressed by changing DNS settings or contacting support.

7. SPECIFICATIONS

Feature	Detail
Brand	Nexxt Solutions
Model Name	ARN04904U2
Connectivity Technology	Wi-Fi Wireless
Frequency Band Class	Dual-Band
Wireless Communication Standard	802.11ac
Frequency	5 GHz
Special Feature	WPS
Compatible Devices	Tablet, Smartphone
Recommended Uses For Product	Gaming, Home
Item Weight	1.9 pounds
Package Dimensions	12.3 x 11.7 x 3 inches
Date First Available	November 2, 2017

8. WARRANTY AND SUPPORT

NEXXT Solutions products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or visit the official Nexxt Solutions website.
For technical support, troubleshooting assistance, or to inquire about product services, please contact Nexxt Solutions customer support through their official channels. Contact information can typically be found on the product packaging, the Quick Installation Guide, or the Nexxt Solutions website.
Online Resources:

- Visit the Nexxt Solutions Store on Amazon for product information and updates.
- Check the official Nexxt Solutions website for the latest drivers, firmware, and support documentation.

Related Documents - ARN04904U2

	[Nexxt Solutions Nebula 1200+ Dual-Band AC Wireless Router User Guide](#) Comprehensive user guide for the Nexxt Solutions Nebula 1200+ Dual-Band AC Wireless Router, covering setup, configuration, LED indicators, and Nexxt Wi-Fi app usage.
	[NEXXT SOLUTIONS 23092 Wireless AC Dual-Band Router Quick Installation Guide](#) Step-by-step instructions for setting up the NEXXT SOLUTIONS 23092 Wireless AC dual-band router, covering hardware connections, initial configuration, and basic settings.
	[Nexxt Solutions Smart Wi-Fi Camera User Guide](#) Comprehensive user guide for the Nexxt Solutions Smart Wi-Fi Camera (NHC-O612), covering product overview, package contents, app installation, account creation, camera setup, features, settings, and troubleshooting.
	[Nexxt Home NHC-OF10 Smart Wi-Fi Outdoor Camera User Guide](#) Comprehensive user guide for the Nexxt Home NHC-OF10 Smart Wi-Fi Outdoor Wired Camera, covering installation, app setup, features, and settings.
	[NEXXT SOLUTIONS LNX13AC Wireless Dual-band USB Adapter User Manual](#) Comprehensive guide for installing and configuring the NEXXT SOLUTIONS LNX13AC Wireless Dual-band USB Adapter, featuring step-by-step instructions and software interface details.
	[Nexxt Home Smart Wi-Fi Camera with Solar Panel - User Guide and Setup](#) Comprehensive user guide for the Nexxt Home Smart Wi-Fi camera with built-in solar panel (model NHC-OF30S). Learn about setup, features, app integration, and troubleshooting for enhanced home security.

[pdf] Datasheet Warranty

ARN04904U2 DS ENG 01 31 2017 DATA SHEET nexxtsolutions media |||
Nebula1200-AC Dual-Band AC wireless router 1200Mbps WIRELESS SPEEDS
COMBINED YEAR* WARRANTY *Must register at: nexxtsolutions.com/warranty
ULTIMATE RANGE **ARN04904U2** CLOUD READY APPLICATION INCLUDED
Wireless-AC 1200Mbps Beamforming technology Simultaneous dual-band
2.4/5.0GHz Smart WiFi sched...
lang:en score:30 filesize: 270.88 K page_count: 2 document date: 2017-01-31

[pdf] Warranty

ARN04904U2 DS SPA 01 31 2017 Index of v2 img cartimex |||
Nebula1200-AC Router inalmbrico AC de doble banda VELOCIDAD INALMBRICA
DE 1200Mbps COMBINADA 5 AOS* DE GARANTA *Debe registrarse en:
nexxtsolutions.com/warranty MXIMO ALCANCE **ARN04904U2** INCLUYE APLICACIN
PARA GESTIN REMOTA EN LA NUBE Router inalmbrico AC de 1200Mbps
Tecnologa de concentracin de...
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Nebula1200-AC Dual-Band AC wireless router 1200Mbps WIRELESS SPEEDS
COMBINED YEAR* WARRANTY *Must register at: nexxtsolutions.com/warranty
ULTIMATE RANGE **ARN04904U2** CLOUD READY APPLICATION INCLUDED
Wireless-AC 1200Mbps Beamforming technology Simultaneous dual-band
2.4/5.0GHz Smart WiFi sched...
lang:en score:29 filesize: 263.61 K page_count: 2 document date: 2020-06-10

SAR Rating

Microsoft Word FCC RF Exposure Info WIFI User Safety Report NEXXT SOLUTIONS NBL12AC Dual Band AC1200 Wireless Router X4YNBL12AC nbl12ac

FCC RF EXPOSURE REPORT FCC ID: X4YNBL12AC Project No. Equipment Model Applicant Address : 1702C045 : Dual-Band AC1200 Wireless Router : **ARN04904U2** : NEXXT SOLUTIONS : 3505 N.W 107TH AVE. MIAMI FLORIDA 33178 U.S.A According: : FCC Guidelines for Human Exposure IEEE C95.1 BTL INC. No.3, Jinshagang...

lang:en score:28 filesize: 260.63 K page_count: 10 document date: 2017-03-14

Decleration of Conformity Test Report

Measurement Report SD Doc Test NEXXT SOLUTIONS NBL12AC Dual Band AC1200 Wireless Router X4YNBL12AC nbl12ac

FCC Radio Test Report FCC ID: X4YNBL12AC This report concerns check one : Original Grant Class I Change Class II Change Project No. Equipment Model Name Applicant Address : 1702C045 : Dual-Band AC1200 Wireless Router : **ARN04904U2** : NEXXT SOLUTIONS : 3505 N.W 107TH AVE. MIAMI FLORIDA 33178 U.S.A ...

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Decleration of Conformity Test Report

Microsoft Word BTL FCCP 2 1702C045 band1 4 User Test Report NEXXT SOLUTIONS NBL12AC Dual Band AC1200 Wireless Router X4YNBL12AC nbl12ac

FCCRadio Test Report FCC ID:X4YNBL12AC This report concerns check one : Original Grant Class I Change Class II Change Project No. Equipment Model Name Applicant Address : 1702C045 : Dual-Band AC1200 Wireless Router : **ARN04904U2** : NEXXT SOLUTIONS : 3505 N.W 107TH AVE. MIAMI FLORIDA 33178 U.S.A Da...

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