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D-Link DAP-1955-US

D-Link DAP-1955-US AC1900 Mesh WiFi Range Extender User Manual

Model: DAP-1955-US

INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your D-Link DAP-1955-US AC1900 Mesh WiFi Range Extender. This device is designed to expand your existing Wi-Fi network coverage, eliminate dead spots, and provide reliable wireless connectivity throughout your home or office. It supports dual-band Wi-Fi with speeds up to 1900 Mbps and features MU-MIMO technology for efficient data transfer to multiple devices.

PACKAGE CONTENTS

Verify that your package contains the following items:

- 1x D-Link DAP-1955-US Extender
- 1x Quick Install Card
- 1x Quick Install Guide
- 1x Ethernet Cable

If any of the above items are missing or damaged, please contact your local D-Link reseller.

PRODUCT OVERVIEW

The D-Link DAP-1955-US is a compact, wall-plug design Wi-Fi range extender. It features a front-facing signal indicator and a Gigabit Ethernet port on the bottom for wired connections.



Figure 1: Front view of the D-Link DAP-1955-US. This image shows the white, rectangular extender with the D-Link logo and model number DAP-1955 on the front. Below the logo, there is a vertical row of three green LED lights, indicating signal strength.

The bottom of the device includes a Gigabit Ethernet port, a reset button, and an on/off switch. This Ethernet port allows you to connect wired devices such as gaming consoles or smart TVs directly to the extender for a stable, high-speed connection. It can also be used for backhaul when the extender is configured in access point mode.



Ultra-Fast Wired Connectivity

Connect wired devices directly to the Gigabit Ethernet Port to enjoy

Figure 2: Bottom view of the D-Link DAP-1955-US. This image highlights the LAN port, reset button, and on/off switch located at the bottom of the extender. Illustrations of a game controller, laptop, and printer are shown connected to the LAN port, demonstrating its wired connectivity feature.

SETUP INSTRUCTIONS

There are two primary methods for setting up your D-Link DAP-1955-US extender: using the D-Link Wi-Fi app or via the WPS (Wi-Fi Protected Setup) button.

Method 1: D-Link Wi-Fi App Setup (Recommended)

1. **Download the App:** Download the free D-Link Wi-Fi app from the Apple App Store or Google Play Store on your smartphone or tablet.



Download on the
App Store



GET IT ON
Google Play

Free D-Link WiFi App

Customize settings and easily manage your home network on your phone

Figure 3: D-Link Wi-Fi App. This image shows two smartphones with the D-Link Wi-Fi app open, illustrating the user interface for managing network settings.

- Power On:** Plug the DAP-1955-US extender into an electrical outlet. Ensure it is within a reasonable range of your existing Wi-Fi router.



Blends Seamlessly into Any Room Décor

Plugs in securely to any standard wall socket
and blends right in

Figure 4: Extender plugged into a wall socket. This image shows the D-Link DAP-1955-US extender plugged into a standard wall power outlet, demonstrating its discreet design.

- 3. Launch App:** Open the D-Link Wi-Fi app and follow the on-screen instructions to set up your extender. The app will guide you through connecting to the extender's temporary Wi-Fi network and configuring it to extend your main router's Wi-Fi.
- 4. Placement Optimization:** Use the Smart Signal Indicator LEDs on the front of the extender to find the optimal placement. Green LEDs indicate a strong signal from your router, while orange or red may suggest moving the extender closer to the router.



One-Touch Configuration and Smart Signal Indicator

Sync to a router with one touch of a button, while finding the best possible placement all on the extender itself!

Figure 5: One-Touch Configuration and Smart Signal Indicator. This image illustrates a finger pressing the WPS button on the side of the extender, with a magnified view of the green signal indicator lights on the front. A diagram shows "Strong" and "Weak" signal interpretations based on the number of lit LEDs.

Method 2: WPS (Wi-Fi Protected Setup) Setup

WPS offers a quick way to connect your extender to a WPS-compatible router.

1. **Power On:** Plug the DAP-1955-US extender into an electrical outlet.
2. **Press WPS on Router:** Within two minutes, press the WPS button on your existing Wi-Fi router.
3. **Press WPS on Extender:** Immediately after, press the WPS button on the side of your DAP-1955-US extender (refer to Figure 5).
4. **Wait for Connection:** The extender's LEDs will flash during the connection process. Once connected, the signal indicator LEDs will light up green, indicating a successful connection and signal strength.
5. **Optimize Placement:** Relocate the extender to an area between your router and the Wi-Fi dead zone. Use the Smart Signal Indicator LEDs to ensure optimal signal strength (refer to Figure 5).

OPERATING INSTRUCTIONS

Once set up, your D-Link DAP-1955-US extender operates automatically to extend your Wi-Fi network.

- **Extended Wi-Fi Coverage:** The extender broadcasts your existing Wi-Fi network, allowing devices to connect to the stronger signal provided by the extender.



Expand Range and Eliminate WiFi Dead Zones

Improve coverage and range throughout your home – inside or outside

Figure 6: Expanded Wi-Fi Range. This image shows a person comfortably using a smartphone outdoors, symbolizing the extended Wi-Fi coverage provided by the D-Link extender, eliminating dead zones.

- **Mesh Wi-Fi Compatibility:** If you have a compatible D-Link Mesh-enabled router, the DAP-1955-US can seamlessly integrate into your mesh network, providing a unified Wi-Fi experience with smart roaming. This means your devices will automatically switch to the strongest Wi-Fi signal as you move around your home without interruption.



D-Link Mesh WiFi

Combine with any D-Link Mesh-enabled WiFi Router to expand your Mesh network with sophisticated performance

Figure 7: D-Link Mesh WiFi. This diagram illustrates how the D-Link extender works with a D-Link Mesh-enabled router to provide seamless Wi-Fi coverage across different floors of a house, with devices automatically connecting to the strongest signal.

- **Gigabit Ethernet Port:** Use the Ethernet port on the bottom of the extender to connect any wired device for a stable and fast network connection. This is ideal for devices that require consistent bandwidth, such as desktop computers, gaming consoles, or smart TVs.
- **MU-MIMO Technology:** The extender utilizes MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) technology to ensure high speeds for multiple devices simultaneously, reducing buffering and improving overall network efficiency.

MAINTENANCE

To ensure optimal performance and longevity of your D-Link DAP-1955-US extender, consider the following maintenance tips:

- **Firmware Updates:** Regularly check for and install firmware updates through the D-Link Wi-Fi app or the web-based configuration utility. Updates often include performance improvements, security patches, and new features.
- **Cleaning:** Keep the device clean and free from dust. Use a soft, dry cloth to wipe the exterior. Avoid using liquid cleaners or aerosols.

- **Ventilation:** Ensure the extender is plugged into an outlet with adequate ventilation. Do not cover the device or place it in enclosed spaces that could restrict airflow, as this can lead to overheating.
- **Resetting:** In case of persistent issues, a factory reset can often resolve problems. To perform a factory reset, use a paperclip to press and hold the reset button (located on the bottom, next to the LAN port) for approximately 10 seconds while the device is powered on. The device will reboot with default settings.

TROUBLESHOOTING

This section addresses common issues you might encounter with your D-Link DAP-1955-US extender.

- **Extender Not Connecting / Blinking Red Light:**

- Ensure the extender is within range of your main Wi-Fi router. Move it closer if the signal indicator LEDs are red or orange.
- Verify that your router's Wi-Fi is active and broadcasting.
- Try restarting both your router and the extender.
- If using WPS, ensure you press the WPS button on both the router and extender within the specified timeframe (usually 2 minutes).
- Consider using the D-Link Wi-Fi app for setup, as it provides more guided steps and feedback.

- **Slow Speeds or Intermittent Connection:**

- Relocate the extender to a more central location between your router and the devices needing extended coverage. Aim for a location where the signal indicator shows at least two or three green bars.
- Check for interference from other electronic devices (e.g., microwaves, cordless phones).
- Ensure your router's firmware is up to date.
- If connecting wired devices, ensure the Ethernet cable is securely plugged into the Gigabit Ethernet port.

- **D-Link Wi-Fi App Issues:**

- Ensure your smartphone's cellular data is temporarily disabled during the initial setup process to prevent conflicts.
- Grant the app necessary local network permissions on your device.
- Try uninstalling and reinstalling the app.
- If the app fails, consider using the web-based configuration utility by connecting a computer directly to the extender via Ethernet or its temporary Wi-Fi network and navigating to its default IP address (often found in the quick install guide or by scanning your network for connected devices).

- **Cannot Access Web-based Configuration Utility:**

- Ensure your computer is connected to the extender's network (either via Ethernet or its Wi-Fi).
- Try accessing dlinkap.local or the extender's default IP address (e.g., 192.168.0.50). If unsure, you may need to check your router's connected devices list to find the extender's assigned IP.
- The default password for the utility is often "password" or left blank. Refer to the quick install guide for specific credentials.

SPECIFICATIONS

Model Number	DAP-1955-US
Wireless Standard	802.11ac (Wi-Fi 5)
Data Transfer Rate	Up to 1900 Mbps (Combined)

Frequency Band	Dual-Band (2.4 GHz and 5 GHz)
Ethernet Port	1x Gigabit Ethernet Port
Coverage Area	Up to 2100 sq. ft.
Special Features	Free D-Link Wi-Fi app, MU-MIMO Technology, Smart Signal Indicator, Wall-Plug Design, Mesh Wi-Fi compatible
Product Dimensions	2 x 3 x 6 inches
Item Weight	9.6 ounces
Manufacturer	D-Link Systems, Inc.
Date First Available	July 6, 2020

WARRANTY AND SUPPORT

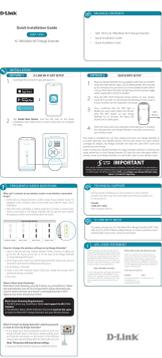
For warranty information and technical support, please refer to the documentation included with your product or visit the official D-Link website. D-Link provides various support resources, including FAQs, troubleshooting guides, and contact information for customer service.

Online Resources:

- D-Link Support Website: www.dlink.com/support
- D-Link Wi-Fi App: Available on Apple App Store and Google Play Store.

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Related Documents - DAP-1955-US

	<p>D-Link DAP-1650 Wireless AC1200 Dual Band Gigabit Range Extender Quick Installation Guide</p> <p>Get started quickly with the D-Link DAP-1650 Wireless AC1200 Dual Band Gigabit Range Extender. This guide provides essential setup instructions, product overview, and troubleshooting tips for easy installation and configuration.</p>
	<p>D-Link DAP-1955 AC1900 Mesh Wi-Fi Range Extender Quick Installation Guide</p> <p>Step-by-step guide to install and set up your D-Link DAP-1955 AC1900 Mesh Wi-Fi Range Extender using the D-Link Wi-Fi app or WPS. Includes troubleshooting and mesh features.</p>

	<p>D-Link DAP-1320 N300 Wireless Range Extender Quick Installation Guide</p> <p>This guide provides instructions for setting up and troubleshooting the D-Link DAP-1320 N300 Wireless Range Extender, detailing methods like QRS Mobile app and one-touch configuration.</p>
	<p>D-Link DAP-1665 Wireless AC1200 Dual Band Access Point Quick Installation Guide</p> <p>This guide provides quick installation instructions for the D-Link DAP-1665 Wireless AC1200 Dual Band Access Point, covering setup, configuration, and troubleshooting. Learn how to position, power, connect, and configure your device for optimal wireless performance.</p>
	<p>Manuale Utente D-Link DAP-1520 Dual Band Range Extender AC750 Wireless</p> <p>Guida utente per il D-Link DAP-1520 Dual Band Range Extender AC750 Wireless, che copre il contenuto della confezione, introduzione, configurazione tramite WPS, app mobile QRS e browser web, e risoluzione dei problemi.</p>
	<p>D-Link Range Extender Setup Guide via QRS Mobile</p> <p>Step-by-step guide to configure D-Link Range Extenders (DAP-1330, DAP-1620, DAP-1720, DAP-1860, DAP-1325) using the QRS Mobile application. Learn how to connect, set up Wi-Fi, and secure your device.</p>

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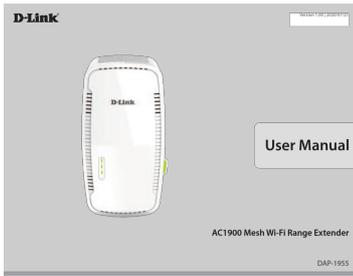
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