HEWLETT PACKARD JX936A

Aruba AP-305 Dual 2x2/3x3 802.11ac Access Point User Manual

Model: JX936A | Brand: HEWLETT PACKARD

1. PRODUCT OVERVIEW

The HPE Aruba AP-305 is a high-performance wireless access point designed to provide robust Wi-Fi connectivity. This device supports 802.11ac standards, offering dual-band operation and advanced features like 2x2/3x3 MU-MIMO configurations for efficient data transmission. It is primarily intended for in-ceiling installations, blending seamlessly into various environments.

Figure 1: Aruba AP-305 Wireless Access Point. This image shows the front of the white, square-shaped access point with the Aruba logo, indicating its sleek design for discreet installation.

This product has been professionally refurbished and tested to ensure functionality. While it may exhibit minor cosmetic imperfections such as light scuffs or scratches, these do not affect the device's performance.

2. Setup and Installation

The Aruba AP-305 is designed for easy deployment, particularly for in-ceiling mounting. Proper installation ensures optimal wireless coverage and performance.

2.1 Package Contents

- Aruba AP-305 Wireless Access Point
- Mounting bracket (may vary based on package)

- Installation guide (refer to this manual)

2.2 Physical Installation

1. **Choose a Location:** Select a central location, preferably on a ceiling, to maximize Wi-Fi coverage. Ensure the location is free from obstructions and within reach of network cabling.
2. **Mounting:**

   - Attach the mounting bracket to the desired surface (e.g., ceiling tile, solid ceiling) using appropriate screws and anchors (not included).
   - Align the access point with the bracket and twist to secure it in place.

3. **Connect Ethernet Cable:** Connect a standard Ethernet cable from your network switch or router to the Ethernet port on the AP-305. This cable will provide both data connectivity and Power over Ethernet (PoE) if your switch supports it.
4. **Power On:** Once connected, the access point will power on automatically via PoE. If PoE is not available, a separate power adapter (not included) may be required.

Figure 2: Aruba AP-305 Side View. This image illustrates the slim design of the access point, highlighting its suitability for discreet ceiling installations and showing potential port locations for cabling.

2.3 Initial Configuration

After physical installation, the AP-305 requires network configuration. This typically involves accessing the device's web interface or using Aruba's network management software (e.g., Aruba Central, Mobility Controller) to set up Wi-Fi networks (SSIDs), security protocols, and other network parameters. Refer to Aruba's official documentation for detailed software configuration steps.

3. OPERATING THE ACCESS POINT

Once configured, the Aruba AP-305 operates autonomously, broadcasting Wi-Fi signals for client devices to connect. It supports both 2.4 GHz and 5 GHz frequency bands (DualBand) and leverages 802.11ac technology for high-speed

wireless communication.

3.1 Connecting Devices

- Ensure your client device (laptop, smartphone, tablet) has Wi-Fi enabled.
- Scan for available Wi-Fi networks.
- Select the SSID (network name) you configured for the AP-305.
- Enter the network password (if applicable) to connect.

3.2 LED Indicators

The AP-305 features LED indicators that provide status information. Consult the official Aruba documentation for a detailed explanation of LED patterns and their meanings (e.g., power status, network activity, error states).

4. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Aruba AP-305.

- **Cleaning:** Periodically wipe the exterior of the access point with a soft, dry cloth. Avoid using liquid cleaners or aerosols directly on the device.
- **Firmware Updates:** Check the Hewlett Packard Enterprise (HPE) Aruba support website regularly for firmware updates. Keeping the firmware up-to-date ensures you have the latest features, security patches, and performance improvements.
- **Environmental Conditions:** Ensure the access point is operating within its specified temperature and humidity ranges to prevent overheating or damage.

5. TROUBLESHOOTING

If you encounter issues with your Aruba AP-305, refer to the following troubleshooting steps. For more complex problems, consult Aruba's official support resources.

5.1 Common Issues and Solutions

- **No Power/Device Not Turning On:**

    - Verify the Ethernet cable is securely connected and that your PoE switch or injector is providing power.
    - If using a separate power adapter, ensure it is correctly plugged in and functional.

- **Cannot Connect to Wi-Fi Network:**

    - Ensure the AP-305 is powered on and its LEDs indicate normal operation.
    - Check that the correct SSID is being broadcast and that you are entering the correct password.
    - Restart your client device.
    - Temporarily power cycle the AP-305 by disconnecting and reconnecting its power source.

- **Poor Wi-Fi Performance:**

    - Check for physical obstructions between the access point and client devices.
    - Ensure the AP-305 is centrally located and not too far from client devices.
    - Consider potential interference from other wireless devices or networks.
    - Verify that the access point's firmware is up-to-date.

- **Device Malfunction (as reported by some users):**

Some users have reported issues with refurbished units not functioning correctly. If your AP-305 exhibits persistent problems despite basic troubleshooting, it is recommended to:

- Verify all connections and power sources.
- Attempt a factory reset (refer to Aruba documentation for the specific procedure).
- Contact the seller or Hewlett Packard Enterprise (HPE) Aruba support for further assistance, especially if the device is under warranty.

6. SPECIFICATIONS

Feature	Detail
Model Number	JX936A
Brand	HP (Hewlett Packard)
Wireless Type	802.11ac
Frequency Bands	DualBand (2.4 GHz and 5 GHz)
Antenna	Integrated antenna supporting 2x2:2 and 3x3:3 MU-MIMO configurations for 802.11n/ac bands
Number of Channels	2
Item Weight	1.45 pounds
Product Dimensions (LxWxH)	6.5 x 6.5 x 1.5 inches
Color	White
UPC	190017087627

7. WARRANTY AND SUPPORT

This product is covered by a minimum **90-day repair/replacement warranty**. Specific warranty information and details on how to submit a warranty claim are typically included with your product documentation or can be obtained from the seller. For technical support, additional documentation, or driver downloads, please visit the official Hewlett Packard Enterprise (HPE) Aruba support website. You may need your product's model number (JX936A) and serial number for support inquiries.

Note: As this is a refurbished product, warranty terms may differ from new products. Always confirm warranty details with your specific vendor.