MikroTik H53UiG-5HaxQ2HaxQ-US

MikroTik Chateau Pro AX Wi-Fi 6 Home Access Point User Manual

Model: H53UiG-5HaxQ2HaxQ-US

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your MikroTik Chateau Pro AX Wi-Fi 6 Home Access Point. This device is designed to provide high-performance wireless connectivity using Wi-Fi 6 (802.11ax) technology and 4x4 MIMO capabilities, suitable for modern home networks with multiple connected devices.

2. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with installation:

- MikroTik Chateau Pro AX Access Point
- 48 V 1.35 A Power Adapter

3. DEVICE LAYOUT

Familiarize yourself with the physical components and indicators of your access point.

Figure 3.1: Front View - Shows the front panel with LED indicators for power, wireless activity, and Ethernet ports. Two external antennas are visible in an upright position.

Figure 3.2: Rear View - Displays the rear panel connections including the DC power input, Reset button, five Gigabit Ethernet ports (Port 5 supports PoE out), a USB port, and a Mode button.

4. SETUP INSTRUCTIONS

Follow these steps to set up your MikroTik Chateau Pro AX access point.

1. **Power Connection:** Connect the provided 48 V 1.35 A power adapter to the DC input port on the rear of the access point. Plug the adapter into a power outlet. The power LED on the front panel should illuminate.

2. **Internet Connection:** Connect an Ethernet cable from your modem or existing router's LAN port to the first Ethernet port (labeled '1') on the Chateau Pro AX.

3. **Device Connection:** Connect your computer or other network devices to any of the remaining Ethernet ports (2-5) or connect wirelessly using the default Wi-Fi network name (SSID) and password found on the device label.

4. **Initial Configuration:** Open a web browser on a connected device and navigate to the default IP address (usually 192.168.88.1). Log in using the default username (admin) and the password (if any) printed on the device label. Follow the on-screen instructions to configure your network settings, including changing the default Wi-Fi name and password for security.

5. **Wall Mounting (Optional):** The device is wall-mountable. Use appropriate screws and anchors (not included) to

secure the device to a wall using the mounting slots on the bottom panel. Ensure proper ventilation around the device.

5. OPERATING INSTRUCTIONS

The Chateau Pro AX is designed for optimal performance with minimal user intervention after initial setup.

- **Wi-Fi 6 (802.11ax):** This access point utilizes Wi-Fi 6 technology, offering improved efficiency, higher speeds, and better performance in congested network environments compared to previous Wi-Fi standards.
- **Dual-Band Operation:** The device operates on both 2.4 GHz and 5 GHz frequency bands. The 2.4 GHz band provides wider coverage, while the 5 GHz band offers faster speeds and less interference. Devices will automatically connect to the most suitable band.
- **4x4 MIMO:** With 4x4 Multiple-Input, Multiple-Output technology, the access point can communicate with multiple devices simultaneously, enhancing throughput and overall network capacity.
- **Quality of Service (QoS):** Advanced QoS features allow for prioritization of network traffic, ensuring critical applications like video streaming or online gaming receive sufficient bandwidth. These settings can be configured via the web interface.
- **LED Indicators:** Monitor the front panel LEDs for device status. Typically, a solid power LED indicates the device is on, and blinking wireless/Ethernet LEDs indicate data activity. Refer to the device's software manual for detailed LED behavior.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your access point.

- **Firmware Updates:** Periodically check the MikroTik website for firmware updates. Keeping your device's firmware up-to-date ensures access to the latest features, security patches, and performance improvements. Follow the instructions provided by MikroTik for safe firmware upgrades.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols. Ensure ventilation openings are free from dust and obstructions.
- **Environmental Conditions:** Operate the device within its specified temperature and humidity ranges. Avoid placing it in direct sunlight, near heat sources, or in excessively dusty or humid environments.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **No Power:** Ensure the power adapter is securely connected to both the device and a working power outlet. Check the power LED on the front panel.
- **No Internet Access:** Verify that your modem or upstream router is working correctly. Check the Ethernet cable connection between the Chateau Pro AX and your modem/router. Ensure your internet service provider (ISP) is not experiencing an outage.
- **Wi-Fi Connectivity Issues:** Ensure your device is within range of the access point. Check that the Wi-Fi is enabled on your client device and that you are using the correct Wi-Fi password. Try restarting the access point.
- **Slow Speeds:** Ensure your client devices support Wi-Fi 6 for optimal performance. Check for network congestion or interference from other wireless devices. Consider adjusting the channel settings in the access point's web interface.

- **Resetting the Device:** If issues persist, you may need to reset the device to factory default settings. Locate the Reset button on the rear panel. With the device powered on, press and hold the Reset button for approximately 5-10 seconds until the user LED starts flashing, then release. **Warning:** This will erase all custom configurations.

8. SPECIFICATIONS

Key technical specifications for the MikroTik Chateau Pro AX Wi-Fi 6 Home Access Point.

Feature	Detail
Model Name	Chateau Pro AX
Wireless Technology	Wi-Fi 6 (802.11ax)
MIMO Capability	4x4 MIMO
Frequency Band Class	Dual-Band (2.4 GHz, 5 GHz)
Wireless Communication Standard	802.11a, 802.11ac, 802.11ax, 802.11n
Connectivity Technology	Ethernet, Wi-Fi 6
Antenna Type	Internal
Item Weight	2.9 pounds
Package Dimensions	14 x 10 x 3 inches
Manufacturer	Mikrotik

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official MikroTik website or contact your authorized MikroTik reseller. Keep your proof of purchase for warranty claims.
Online Resources: For additional documentation, software downloads, and community forums, visit the MikroTik official website: mikrotik.com