

## MikroTik RB2011UiAS-2HnD-IN

# MikroTik RB2011UiAS-2HnD-IN Router Instruction Manual

Model: RB2011UiAS-2HnD-IN

## INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your MikroTik RB2011UiAS-2HnD-IN Router. Please read through these instructions carefully to ensure optimal performance and longevity of your device. This router is designed for versatile networking applications, featuring a combination of Gigabit and Fast Ethernet ports, an SFP port, and integrated wireless capabilities.

## PRODUCT OVERVIEW

The MikroTik RB2011UiAS-2HnD-IN is a versatile router designed for various networking environments. It combines robust routing capabilities with integrated wireless functionality. Key features include:

- **Ethernet Ports:** 5x Gigabit Ethernet ports (Eth1-Eth5) and 5x Fast Ethernet ports (Eth6-Eth10).
- **SFP Port:** One SFP port for fiber connectivity.
- **Wireless:** Integrated 802.11b/g/n wireless with two external antennas.
- **USB Port:** One USB port for additional storage or 3G/4G modem connectivity.
- **Power over Ethernet (PoE):** PoE output on Eth10, allowing power to be supplied to another PoE-compatible device.
- **Operating System:** RouterOS, offering extensive configuration options.



Figure 1: Front view of the MikroTik RB2011UiAS-2HnD-IN Router. It features five Gigabit Ethernet ports (Eth1-Eth5), five Fast Ethernet ports (Eth6-Eth10), one SFP port, one USB port, and two external antennas for wireless connectivity. LED indicators for port activity are also visible.

## SETUP

### 1. Initial Connection

1. **Power Connection:** Connect the provided power adapter to the DC jack on the router and plug it into a power outlet.
2. **Internet Connection:** Connect your internet service provider's modem or main network cable to the WAN port (typically Eth1 or a designated WAN port).
3. **Local Network Devices:** Connect your computers or other network devices to any of the available Ethernet ports (Eth1-Eth10).
4. **Wireless Antennas:** Ensure the two external antennas are securely attached and positioned for optimal signal coverage.

### 2. First-Time Configuration

1. **Access RouterOS:** Open a web browser on a computer connected to the router and navigate to the default IP address (usually <http://192.168.88.1>).
2. **Login:** The default username is 'admin' with no password. It is highly recommended to set a strong password immediately after logging in.
3. **Quick Set:** Use the "Quick Set" interface for basic configuration, including setting up your internet connection, wireless network name (SSID), and password.
4. **Advanced Configuration:** For advanced settings, refer to the RouterOS documentation available on the MikroTik website.



Figure 2: An angled view of the MikroTik RB2011UiAS-2HnD-IN Router, highlighting its compact design and the placement of its various ports and antennas.

## OPERATING INSTRUCTIONS

### 1. Wireless Network Usage

- **Connecting Devices:** Search for your configured wireless network (SSID) on your devices and connect using the password you set during setup.
- **Signal Optimization:** Position the router in a central location, away from obstructions and interference sources, for the best wireless signal.

### 2. Ethernet Port Functionality

- **Gigabit Ports (Eth1-Eth5):** Use these ports for devices requiring high-speed connections, such as servers, network-attached storage (NAS), or high-performance workstations.
- **Fast Ethernet Ports (Eth6-Eth10):** Suitable for general network devices like printers, older computers, or devices that do not require Gigabit speeds.
- **PoE Out (Eth10):** Eth10 can provide power to another PoE-compatible device. Ensure the connected device supports passive PoE and the power requirements are met.
- **SFP Port:** The SFP port allows for fiber optic connections, providing high-speed and long-distance network links. Insert a compatible SFP module as needed.



Figure 3: A top-down perspective of the router, providing a clear view of the port numbering, LED indicators, and the overall layout of the device's front panel.

## MAINTENANCE

- **Firmware Updates:** Regularly check the MikroTik website for RouterOS updates. Keeping your firmware up-to-date ensures security and performance improvements. Follow the official update procedures carefully.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or aerosols. Ensure ventilation slots are unobstructed.
- **Environmental Conditions:** Operate the router within its specified temperature and humidity ranges to prevent damage and ensure stable operation.

## TROUBLESHOOTING

- **No Power:** Check the power adapter connection and the power outlet. Ensure the power LED on the router is illuminated.
- **No Internet Connection:** Verify that your modem is working correctly. Check the WAN port connection on the router. Ensure your internet service provider is not experiencing outages.
- **Wireless Issues:** Confirm your wireless network is enabled and broadcasting. Check the wireless password. Try restarting the router. Ensure no strong interference sources are nearby.
- **Slow Network Speed:** Check cable connections for damage. Ensure devices are connected to appropriate speed ports (Gigabit for high-speed). Monitor network traffic for congestion.
- **Factory Reset:** If you encounter persistent issues or forget your password, you can perform a factory reset. Locate the reset button (usually a small pinhole) and press it for 5-10 seconds while the device is powered on. This will revert all settings to default.

## SPECIFICATIONS

Feature	Detail
Model Name	RB2011UiAS-2HnD-IN
Product Dimensions	3.54 x 9.06 x 0.98 inches
Item Weight	8.1 ounces
Ethernet Ports	5x Gigabit, 5x Fast Ethernet
SFP Port	1x SFP
Wireless Standard	802.11b/g/n
Frequency Band Class	Single-Band (2.4GHz)
Antenna Type	Internal (with external connectors for included antennas)
USB Port	1x USB
PoE Out	Yes, on Eth10
Manufacturer	Mikrotik
Date First Available	January 20, 2020

## WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the official MikroTik website or contact your authorized reseller. Keep your purchase receipt as proof of purchase for warranty claims.