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› Cradlepoint IBR200 Router with WiFi User Manual

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Cradlepoint IBR200 Router with WiFi User Manual

Model: IBR200

1. INTRODUCTION

The Cradlepoint IBR200 Router is a compact, semi-ruggedized IoT gateway designed for secure, cloud-managed connectivity. It provides reliable Wi-Fi and cellular (Verizon) connectivity for various IoT applications, managed through the NetCloud platform. This manual provides essential information for setting up, operating, and maintaining your IBR200 router.

2. PACKAGE CONTENTS

Please verify that all items are present in your package. If any items are missing or damaged, contact your vendor or Cradlepoint support.

- Cradlepoint IBR200 Router
- AC Power Adapter
- Cellular Antennas
- WiFi Antennas

3. PRODUCT OVERVIEW

The IBR200 router features various ports and indicators for connectivity and status monitoring. Familiarize yourself with these components before proceeding with setup.



This image displays the front panel of the Cradlepoint IBR200 router, highlighting the antenna connectors, LED indicators for power, Wi-Fi, and signal strength, a USB port, and the LAN Ethernet port.

Key Components:

- **Antenna Connectors:** For attaching cellular and Wi-Fi antennas.
- **LED Indicators:** Display device status, including power, Wi-Fi activity, and cellular signal strength.
- **USB Port:** For connecting compatible USB devices.
- **LAN Port:** An Ethernet port for wired network connections.
- **Power Input:** Connects to the AC power adapter.
- **SIM Card Slot:** (Typically located under a cover) For inserting your cellular SIM card.

4. SETUP

4.1. SIM Card Installation

1. Ensure the router is powered off.
2. Locate the SIM card slot, usually on the side or bottom of the device, often protected by a cover.
3. Insert your activated Verizon SIM card into the slot until it clicks into place. Ensure correct orientation.
4. Replace the SIM card slot cover if applicable.

4.2. Antenna Connection

1. Attach the cellular antennas to the connectors labeled for cellular (e.g., 'Main', 'Aux').
2. Attach the Wi-Fi antennas to the connectors labeled for Wi-Fi (e.g., '2.4GHz').
3. Tighten the antennas finger-tight.

4.3. Power Connection

1. Connect the AC power adapter to the power input port on the router.
2. Plug the power adapter into a standard electrical outlet.
3. The router will power on automatically, and the Power LED will illuminate.

4.4. Initial Configuration (NetCloud)

Your IBR200 router is managed through the Cradlepoint NetCloud platform. Refer to the NetCloud documentation for detailed instructions on activating your device and configuring network settings. You will typically access NetCloud Manager via a web browser.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

- **Power On:** Connect the power adapter. The device will automatically power on.
- **Power Off:** Disconnect the power adapter from the router.

5.2. Connecting Devices

- **Wi-Fi:** Search for the router's Wi-Fi network (SSID) on your device (e.g., laptop, smartphone). The default SSID and password are typically found on a label on the router. Connect using the provided credentials.
- **LAN:** Connect an Ethernet cable from your device to the LAN port on the IBR200 router.

5.3. Monitoring Status LEDs

The LEDs on the front panel provide important status information:

- **Power LED:** Indicates power status.
- **Wi-Fi LED:** Indicates Wi-Fi activity.
- **Signal LED(s):** Indicate cellular signal strength. Refer to the NetCloud documentation for specific LED patterns and their meanings.

5.4. NetCloud Management

The IBR200 is designed to be managed remotely via Cradlepoint NetCloud Manager. This platform allows for configuration, monitoring, and troubleshooting of your device from anywhere with an internet connection.

6. MAINTENANCE

6.1. Firmware Updates

Firmware updates are crucial for security, performance, and new features. These are typically managed automatically or manually through the NetCloud Manager platform. Always ensure your device is running the latest stable firmware version.

6.2. Cleaning

Clean the exterior of the router with a soft, dry cloth. Do not use liquid cleaners or aerosols directly on the device. Ensure ventilation openings are free from dust and debris.

6.3. Environmental Considerations

Operate the IBR200 within its specified temperature and humidity ranges. Avoid exposing the device to extreme temperatures, direct sunlight, or moisture. Ensure adequate ventilation around the router.

7. TROUBLESHOOTING

7.1. No Power

- Check if the power adapter is securely connected to both the router and the electrical outlet.
- Verify the electrical outlet is functional.
- Try a different power adapter if available and compatible.

7.2. No Internet Connectivity

- Check the cellular signal strength LEDs. If signal is weak or absent, reposition the router or antennas.
- Ensure the SIM card is properly inserted and activated with your carrier (Verizon).
- Log into NetCloud Manager to check the device status and cellular connection details.
- Restart the router by disconnecting and reconnecting the power.

7.3. Wi-Fi Connection Issues

- Ensure the Wi-Fi LED on the router is active.
- Verify you are selecting the correct Wi-Fi network (SSID) and entering the correct password.
- Move closer to the router to improve signal strength.
- Check Wi-Fi settings in NetCloud Manager.

7.4. Resetting the Device

If issues persist, a factory reset may be necessary. Refer to the NetCloud documentation for the exact procedure, as this will erase all custom configurations.

8. SPECIFICATIONS

Brand	Cradlepoint
Model Name	IBR200
Special Feature	WPS
Frequency Band Class	Single-Band
Compatible Devices	Personal Computer
Recommended Uses For Product	Home
Connectivity Technology	Wi-Fi
Item Weight	0.01 Ounces
Operating System	NetCloud OS
Security Protocol	WPS, WPA2-PSK
Number of Ports	1 (LAN)
Control Method	App (NetCloud)
Data Transfer Rate	10 Megabits Per Second
LAN Port Bandwidth	10 Megabits Per Second
Maximum Upstream Data Transfer Rate	10 Megabits Per Second
Is Modem Compatible	Yes
Connectivity Protocol	Wi-Fi
UPC	810007801728

9. WARRANTY AND SUPPORT

For detailed warranty information, technical support, and additional resources, please visit the official Cradlepoint website or contact their customer service department. Keep your purchase receipt and product serial number handy when seeking support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question