iBall iB-WRB333N

iBall iB-WRB333N 300M MIMO Wireless-N Broadband Router User Manual

Model: iB-WRB333N

INTRODUCTION

This manual provides detailed instructions for the installation, configuration, and operation of your iBall iB-WRB333N 300M MIMO Wireless-N Broadband Router. Please read this manual thoroughly before using the device to ensure proper setup and optimal performance. The iB-WRB333N is designed to provide high-speed wireless connectivity for your home or office network.

PRODUCT OVERVIEW

Key Features

- Complies with IEEE802.11n standards providing 300M Wireless-N connectivity.
- Integrated MIMO technology for minimized errors and optimized data speed.
- Two omnidirectional 5dBi antennas for stable wireless data transmission.
- Firewall security features including IP, MAC, and URL filtering.
- Universal Repeater mode to extend existing wireless signals.
- Access Point mode for upgrading to wireless connectivity.
- Access control with scheduling options (Time and Day).

Package Contents

Verify that your package contains the following items:

- 1 x iBall iB-WRB333N Router
- 1 x Power Adapter
- 1 x Quick Installation Guide (QIG)
- 1 x RJ45 Patch Cord

Figure 1: Front view of the iBall iB-WRB333N Router with two antennas.
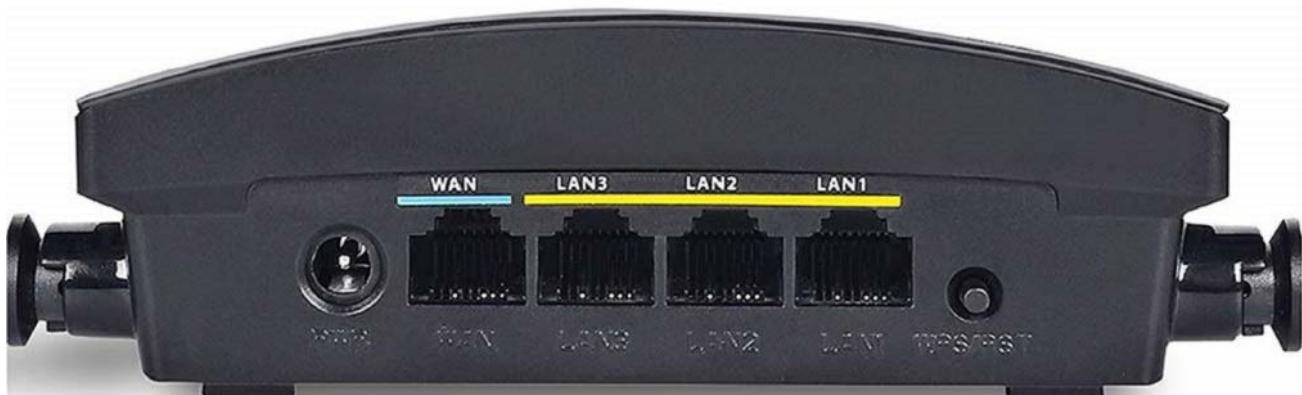
Figure 2: Rear view of the iBall iB-WRB333N Router showing WAN, LAN ports, power input, and WPS/Reset button.

SETUP INSTRUCTIONS

Follow these steps to set up your iBall iB-WRB333N router for internet access.

1. Hardware Connection

1. **Power Connection:** Connect the provided power adapter to the router's power input port and then plug it into a power outlet.

2. **Internet Connection (WAN):**

   - If you have a DSL/Cable modem, connect an Ethernet cable from your modem's LAN port to the **WAN** port (blue) on the iBall router.

   - If your internet service is directly from an Ethernet wall jack, connect the Ethernet cable from the wall jack to the **WAN** port (blue) on the iBall router.

3. **Local Area Network (LAN) Connection:** Connect one end of the provided RJ45 patch cord to any of the **LAN** ports (yellow) on the router and the other end to your computer's Ethernet port. For wireless devices,

proceed to the next step.

2. Initial Configuration (Wired Connection Recommended)

1. Ensure your computer is connected to the router via an Ethernet cable.
2. Open a web browser (e.g., Chrome, Firefox, Edge).
3. In the address bar, type **iball.wifi** or the default IP address (usually found on a sticker on the router's underside, commonly 192.168.1.1 or 192.168.0.1) and press Enter.
4. You will be prompted for a username and password. The default credentials are often **admin** for both username and password. Refer to the router's sticker or Quick Installation Guide if these do not work.
5. Once logged in, you will access the router's web management interface.

3. Internet Setup Wizard

The router typically features a Quick Setup Wizard to guide you through the internet connection process.

1. Follow the on-screen instructions of the setup wizard.
2. Select your Internet Connection Type:

    - **Dynamic IP:** For most cable modem users or ISPs that automatically assign IP addresses.
    - **Static IP:** If your ISP provides a fixed IP address, subnet mask, gateway, and DNS servers.
    - **PPPoE:** Common for DSL connections, requiring a username and password from your ISP.

3. Configure your Wireless Network (Wi-Fi) settings:

    - **SSID:** This is your Wi-Fi network name. You can keep the default or change it to something recognizable.
    - **Password (WPA/WPA2-PSK):** Set a strong password for your Wi-Fi network to secure it.

4. Save your settings and restart the router if prompted.

4. Universal Repeater / Access Point Mode Setup

If you intend to use the iB-WRB333N as a Universal Repeater (extender) or Access Point:

1. Connect the iBall router to your PC with an Ethernet cable (do not connect your main router's internet cable to the iBall router's WAN port yet).
2. Access the router's login page (**iball.wifi** or default IP).
3. In the settings, navigate to the "Connection Mode" or "Operation Mode" section.
4. Change the mode from "Router" to "AP" (Access Point) or "Repeater" (Universal Repeater).
5. If using Repeater mode, select the Wi-Fi network you wish to extend and enter its password.
6. Save the settings and restart the router.
7. For AP mode, connect an Ethernet cable from your main router's LAN port to one of the iBall router's **LAN** ports (yellow). Do not use the WAN port.
8. For Repeater mode, the router will connect wirelessly to your main router.

OPERATING INSTRUCTIONS

Connecting to the Wireless Network

Once the router is configured, you can connect your wireless devices (laptops, smartphones, tablets) to the Wi-Fi network.

1. On your wireless device, open the Wi-Fi settings.
2. Scan for available networks.
3. Select the SSID (network name) you configured during setup.
4. Enter the Wi-Fi password you set.
5. Your device should now be connected to the internet.

Advanced Features

- **Guest Network Access:** Create a separate Wi-Fi network for guests, keeping your main network secure. This can be configured in the router's web interface.
- **Parental Control:** Manage internet access for specific devices or users by setting time limits or blocking certain websites. Access these settings through the router's web interface.
- **Firewall Security:** The router includes IP, MAC, and URL filtering to enhance network security. These features can be configured in the security settings of the web interface.
- **Wireless Scheduling:** Schedule when the wireless signals are active or inactive. This can be used to turn off Wi-Fi during specific hours.

Figure 3: Router highlighting features like Guest Network Access, Secure Wi-Fi Connections, and Parental Control.

Figure 4: Diagram illustrating router functionalities including WAN port, multi-operation modes, scheduling, firewall, and MIMO technology.

MAINTENANCE

- **Placement:** Position the router in a central location, away from obstructions and sources of interference (e.g., microwaves, cordless phones) for optimal wireless coverage.
- **Cleaning:** Keep the router clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners.
- **Firmware Updates:** Periodically check the iBall support website for firmware updates. Firmware updates can improve performance, add new features, and fix security vulnerabilities. Follow the instructions provided by iBall for any firmware update process.
- **Restarting:** If you experience network issues, a simple restart of the router can often resolve them. Disconnect the power adapter, wait 10 seconds, and then reconnect it.

TROUBLESHOOTING

No Internet Access

- **Check Cable Connections:** Ensure all Ethernet cables (WAN, LAN) are securely connected.
- **Modem Status:** Verify that your modem (if applicable) is working correctly and has an active internet connection.
- **Router Lights:** Check the indicator lights on the router. The WAN light should be on or blinking, indicating an active internet connection.
- **Router Configuration:** Log into the router's web interface and re-verify your internet connection type and settings (Dynamic IP, Static IP, PPPoE).
- **Restart Devices:** Power cycle your modem, then the router, and then your computer/device.

Weak or Unstable Wi-Fi Signal

- **Router Placement:** Move the router to a more central location, away from walls, large metal objects, and other electronic devices that may cause interference.
- **Antenna Orientation:** Adjust the router's antennas for better signal reception.
- **Interference:** Other wireless devices (cordless phones, microwaves, Bluetooth devices) can interfere with Wi-Fi signals. Try changing the wireless channel in the router's settings.
- **Coverage Area:** The router is recommended for areas up to 450 sq ft with light usage (casual browsing, video streaming) for up to 5 devices. Performance may vary based on internet speed, distance, and wall thickness.

Digit recommends this router specification for below

Powered by **digit**

Area	Light Usage
Up to 450 Sq Ft (5 devices)	• Casual Browsing • Video Streaming

Disclaimer: Router performance depends on Internet speed, distance from router and number and thickness of walls between the router and device.

Figure 5: Digit's recommendation for the router's coverage area (up to 450 sq ft for light usage with up to 5 devices).

Cannot Access Router's Web Interface

- **Wired Connection:** Ensure your computer is connected directly to a LAN port on the router via an Ethernet cable.

- **IP Address:** Double-check the IP address you are typing in the browser (e.g.,**iball.wifi** or 192.168.1.1).
- **IP Settings:** Ensure your computer's network adapter is set to obtain an IP address automatically (DHCP).
- **Firewall/Antivirus:** Temporarily disable any firewall or antivirus software on your computer that might be blocking access.
- **Reset Router:** If all else fails, you may need to perform a factory reset. Locate the WPS/Reset button on the back of the router. With the router powered on, press and hold this button for approximately 5-10 seconds until the lights flash. This will restore the router to its factory default settings, and you will need to reconfigure it.

SPECIFICATIONS

Feature	Description
Brand	iBall
Model Number	iB-WRB333N
Series	300M MIMO Wireless Router
Connectivity Type	Wi-Fi
Wireless Type	802.11bgn
Frequency Band Class	Dual-Band (Note: Product description mentions 300M Wireless-N, which is typically 2.4GHz. This router operates on the 2.4GHz band.)
Ports	1 x 10/100Mbps WAN port, 3 x 10/100Mbps LAN ports
Antennas	2 x 5dBi Omnidirectional Antennas
Buttons	1 x WPS/Reset button
Security	Advanced Encryption Security, Virtual Server, DDNS, DMZ, UPnP, IP/MAC/URL Filtering
Operating System Compatibility	Windows, Linux, Mac, PC
Product Dimensions (LxWxH)	12.5 x 10 x 4.2 cm
Item Weight	134 g
Color	Black

WARRANTY AND SUPPORT

Warranty Information

The iBall iB-WRB333N Router comes with a **1 Year Warranty** from the date of purchase. Please retain your purchase receipt for warranty claims.

Technical Support

For technical assistance, troubleshooting, or warranty inquiries, please contact iBall customer support:

- **Toll-free No.:** 18002666409

- **Manufacturer Address:** 87, Mistry Industrial Complex, MIDC Cross Road "A" Andheri (E), Mumbai 400 093. Maharashtra India.
- Refer to the official iBall website for the most up-to-date support information and resources.

Related Documents - iB-WRB333N

	[iBall WBS-650MV Barcode Scanner Pairing Guide](#) Step-by-step instructions for pairing the iBall WBS-650MV wireless barcode scanner with your PC or laptop via USB dongle. Includes troubleshooting steps and charging instructions.
	[iBall BTR009 Bluetooth Receiver for Speakers - User Guide and Specifications](#) Learn about the iBall BTR009 Bluetooth Receiver for Speakers, including its features, specifications, and how to use it. This compact device enables wireless audio streaming to your speakers.
	[iBall Musi Twins User Manual: Features, Pairing, and Specifications](#) Explore the iBall Musi Twins portable Bluetooth speaker. This user manual provides detailed instructions on setup, pairing, TWS functionality, controls, and technical specifications for optimal audio experience.
	[iBall Musi Home Pro: User Manual - BT Clock Speaker with Wireless Charger](#) Comprehensive user manual for the iBall Musi Home Pro, a BT Clock Speaker with Wireless Charger. Learn about setup, features, specifications, and operation.
	[iBall Pro Digital Wireless Trailer Hitch Camera System - Product Information](#) Detailed information on the iBall Pro Digital Wireless Trailer Hitch Camera System, covering FCC compliance, RF exposure guidelines, warranty coverage, and product component identification. Includes contact details for Outdoors Insight, Inc.
	[iBall Slide Elan 3x32 User Guide](#) Comprehensive user guide for the iBall Slide Elan 3x32, covering setup, features, safety precautions, and specifications.

Documents - iBall – iB-WRB333N

[pdf] Specifications

333N IMG ProductMobBanner 09012020 183124429 admin iball co in 80 File ProductPdf ||| generation i 300M MIMO Wireless-N Broadband Router iB-WRB333N Make Your Home Wi-Fi Overview Benefits: 300M Wireless-N Broadband router complies with IEEE 802.11n standard to provide smooth wireless connectivity MIMO Technology optimizes wireless data transmission rate up to 300 Mbps Multi-ope...

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