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## Intelbras IWR 3000N

# Intelbras IWR 3000N Wireless-N 300 Mbps Router User Manual

Model: IWR 3000N

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## 1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, and operation of your Intelbras IWR 3000N Wireless-N 300 Mbps Router. Please read this manual carefully before using the device to ensure proper functionality and safety. The IWR 3000N router is designed to provide reliable Wi-Fi connectivity for your home or small office network, offering speeds up to 300 Mbps and various features to manage your internet access.

## 2. SAFETY INFORMATION

- Ensure the router is placed in a well-ventilated area to prevent overheating.
- Do not expose the device to water, moisture, or extreme temperatures.
- Use only the power adapter supplied with the router. Using an incorrect adapter may damage the device and void the warranty.
- Keep the device away from strong electromagnetic fields.
- Do not attempt to open or repair the router yourself. Contact qualified personnel for service.
- Keep out of reach of children.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Intelbras IWR 3000N Wireless-N 300 Mbps Router
- Power Adapter

- Ethernet Cable
- Quick Installation Guide

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel

The front panel of the router features LED indicators that provide information about the device's status.



Figure 1: Front view of the Intelbras IWR 3000N router, showing the Intelbras logo and status LEDs for power, WAN, LAN, and Wi-Fi activity.

- **Power LED:** Indicates if the router is powered on.
- **WAN LED:** Indicates connection status to the internet (Wide Area Network).
- **LAN LEDs (1-4):** Indicate activity on the wired LAN ports.
- **WLAN LED:** Indicates wireless network activity.

### 4.2 Rear Panel

The rear panel contains all the physical connection ports and buttons.



Figure 2: Rear view of the Intelbras IWR 3000N router, displaying the power input, WPS/Reset button, WAN port (blue), and four LAN ports (yellow).

- **Power Input:** Connect the supplied power adapter here.
- **WPS/Reset Button:** Press briefly for WPS function. Press and hold for 5-10 seconds to factory reset the router.
- **WAN Port (Blue):** Connect your modem or internet service provider's cable here.
- **LAN Ports (Yellow, 1-4):** Connect wired devices such as computers, gaming consoles, or smart TVs.
- **Antennas:** Two external 5 dBi antennas for wireless signal transmission and reception.

## 5. SETUP

### 5.1 Physical Connection

1. **Position the Router:** Place the router in a central location in your home or office, away from

obstructions and sources of interference (e.g., microwaves, cordless phones).

2. **Connect the Modem:** Connect one end of an Ethernet cable to the WAN port (blue) on the router and the other end to the LAN port on your modem.
3. **Connect Power:** Connect the power adapter to the router's power input and then plug it into an electrical outlet. The Power LED should illuminate.
4. **Connect Wired Devices (Optional):** If you have wired devices, connect them to the yellow LAN ports (1-4) on the router using Ethernet cables.
5. **Wait for Initialization:** Allow a few minutes for the router to power on and initialize. The WAN LED should eventually turn solid, indicating an internet connection.

## 5.2 Initial Configuration (Router Mode)

To configure the router, you can use a computer connected via Wi-Fi or Ethernet.

1. **Connect to the Router:**
  - **Wired:** Connect your computer to one of the yellow LAN ports (1-4) on the router using an Ethernet cable.
  - **Wireless:** On your computer or mobile device, search for available Wi-Fi networks. Connect to the network named "Intelbras\_IWR3000N" (or similar, check the label on the bottom of the router). The default password is also on the label.
2. **Access the Web Interface:** Open a web browser (e.g., Chrome, Firefox, Edge) and type the default IP address **10.0.0.1** or **192.168.1.1** (check the router label for the exact address) into the address bar, then press Enter.
3. **Login:** Enter the default username and password. Typically, both are **admin**. Refer to the router's label if these credentials do not work.
4. **Run Quick Setup Wizard:** Upon successful login, the router's quick setup wizard should appear. Follow the on-screen instructions to configure your internet connection (e.g., PPPoE, Dynamic IP, Static IP) and set up your Wi-Fi network name (SSID) and password.
5. **Save Settings:** After completing the wizard, save your settings. The router may restart.
6. **Reconnect:** If you changed the Wi-Fi network name or password, reconnect your wireless devices to the new network.

## 6. OPERATING MODES

The Intelbras IWR 3000N supports multiple operating modes to suit different network requirements.

### 6.1 Router Mode

This is the default mode, where the device acts as the primary gateway for your network, connecting to the internet via the WAN port and distributing internet access to wired and wireless devices.

### 6.2 Wireless Repeater Mode

In repeater mode, the IWR 3000N extends the coverage of an existing Wi-Fi network. It connects wirelessly to another router's Wi-Fi signal and re-broadcasts it, effectively expanding the wireless range.

1. **Access Web Interface:** Log in to the router's web interface as described in Section 5.2.
2. **Navigate to Operating Mode:** Find the "Operating Mode" or "Wireless Mode" section in the settings.
3. **Select Repeater Mode:** Choose "Wireless Repeater" or "WISP" mode.

4. **Scan for Networks:** The router will scan for available Wi-Fi networks. Select the network you wish to extend.
5. **Enter Password:** Provide the Wi-Fi password for the selected network.
6. **Save and Restart:** Save the settings. The router will restart and operate as a repeater.

## 7. ADVANCED FEATURES

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### 7.1 IPv6 Support

The IWR 3000N is compatible with IPv6, the latest version of the Internet Protocol. This ensures future-proof connectivity and compatibility with modern internet services. Configuration options for IPv6 can typically be found under the "Network" or "WAN" settings in the web interface.

### 7.2 Site Blocking

This feature allows you to restrict access to specific websites or types of content. It is useful for parental control or managing network usage in a small office.

1. **Access Web Interface:** Log in to the router's web interface.
2. **Navigate to Security/Parental Control:** Look for sections like "Security," "Parental Control," or "Access Control."
3. **Configure Site Blocking:** Add the URLs or keywords of the websites you wish to block. You may also be able to set schedules for when these blocks are active.
4. **Save Settings:** Apply the changes.

### 7.3 Bandwidth Control (QoS)

Bandwidth Control (Quality of Service - QoS) allows you to prioritize internet traffic for certain applications or devices, ensuring smoother performance for critical tasks like online gaming or video conferencing.

1. **Access Web Interface:** Log in to the router's web interface.
2. **Navigate to QoS/Bandwidth Control:** Find the "QoS" or "Bandwidth Control" section.
3. **Configure Rules:** Set rules based on IP address, MAC address, or application type to allocate bandwidth or prioritize traffic.
4. **Save Settings:** Apply the changes.

## 8. MAINTENANCE

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### 8.1 Firmware Update

Regularly updating the router's firmware ensures optimal performance, security, and access to new features. Visit the official Intelbras website for the latest firmware for your IWR 3000N model.

1. **Download Firmware:** Download the correct firmware file from the Intelbras support website to your computer.
2. **Access Web Interface:** Log in to the router's web interface.
3. **Navigate to Firmware Upgrade:** Find the "System Tools," "Firmware Upgrade," or "Maintenance" section.
4. **Upload Firmware:** Browse to the downloaded firmware file and initiate the upgrade process. Do not

power off the router during the update.

5. **Restart:** The router will restart automatically after the update is complete.

## 8.2 Factory Reset

A factory reset restores the router to its original default settings. This can be useful for troubleshooting persistent issues or when reconfiguring the device from scratch.

- **Method 1 (Hardware Button):** With the router powered on, press and hold the WPS/Reset button on the rear panel for approximately 5-10 seconds until the LEDs flash. Release the button, and the router will restart with factory defaults.
- **Method 2 (Web Interface):** Log in to the router's web interface. Navigate to "System Tools" or "Maintenance" and find the "Factory Defaults" or "Restore" option. Confirm the action.

## 9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No internet access	Incorrect WAN settings, modem issue, cable disconnected.	<ul style="list-style-type: none"><li>Check if the WAN LED is solid.</li><li>Verify the Ethernet cable connection between the router's WAN port and the modem.</li><li>Restart both the modem and the router.</li><li>Log in to the web interface and check WAN settings (e.g., PPPoE username/password, Dynamic IP).</li></ul>
Cannot connect to Wi-Fi	Incorrect Wi-Fi password, Wi-Fi disabled, signal interference.	<ul style="list-style-type: none"><li>Ensure the WLAN LED is on.</li><li>Verify the Wi-Fi password.</li><li>Check Wi-Fi settings in the web interface to ensure it's enabled and the SSID is broadcasting.</li><li>Move closer to the router.</li></ul>
Slow Wi-Fi speed	Interference, too many devices, outdated firmware, poor router placement.	<ul style="list-style-type: none"><li>Change Wi-Fi channel in the web interface.</li><li>Reduce the number of connected devices or prioritize traffic using QoS.</li><li>Update firmware (see Section 8.1).</li><li>Relocate the router to a more central position.</li></ul>

Problem	Possible Cause	Solution
Cannot access web interface	Incorrect IP address, network configuration issue, router malfunction.	<ul style="list-style-type: none"> <li>Ensure your device is connected to the router (wired or wireless).</li> <li>Verify the router's IP address (check label).</li> <li>Try clearing your browser's cache or using a different browser.</li> <li>Perform a factory reset (see Section 8.2) if all else fails.</li> </ul>

## 10. SPECIFICATIONS

Feature	Detail
Model Number	IWR 3000N
Wireless Standard	Wireless-N (IEEE 802.11n/b/g)
Wireless Speed	Up to 300 Mbps
Antennas	2 external 5 dBi antennas
Ports	1x WAN (10/100 Mbps), 4x LAN (10/100 Mbps)
Operating Modes	Router, Wireless Repeater
IPv6 Support	Yes
Security Features	Site Blocking, Bandwidth Control (QoS)
Power Supply	Bivolt (Universal)
Dimensions (approx.)	11 x 17 x 18 cm (L x W x H)
Weight (approx.)	500 g

## 11. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the warranty card included with your product or visit the official Intelbras website. You can also contact Intelbras customer service directly for specific inquiries related to your IWR 3000N router.

**Intelbras Official Website:** [www.intelbras.com.br](http://www.intelbras.com.br)