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Hyzom B0BL2DRCST

Hyzom Wi-Fi Repeater (Model B0BL2DRCST) User Manual

Model: B0BL2DRCST

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1. INTRODUCTION

The Hyzom Wi-Fi Repeater is designed to extend the coverage of your existing wireless network. It eliminates Wi-Fi dead zones and improves signal strength, allowing for a more stable and reliable internet connection throughout your home or office. This device supports both Repeater and Access Point (AP) modes, offering flexibility for various networking needs.



Figure 1: Front view of the Hyzom Wi-Fi Repeater, showing its four external antennas and LED indicators.

2. SAFETY INFORMATION

Please read and follow these safety instructions carefully to prevent damage to the device or injury to yourself.

- Do not expose the device to water or moisture.
- Do not open or attempt to repair the device yourself. Refer all servicing to qualified personnel.
- Use only the power source specified for this device.
- Keep the device away from heat sources and direct sunlight.
- Ensure proper ventilation around the device. Do not block ventilation openings.
- This device is intended for indoor use only.

3. SETUP

The Hyzom Wi-Fi Repeater offers two primary setup methods: WPS (Wi-Fi Protected Setup) and Web Browser Configuration.

3.1. Physical Installation

1. **Unpack the Device:** Carefully remove the Wi-Fi Repeater from its packaging.
2. **Choose a Location:** Select a central location between your main router and the area where you need improved Wi-Fi coverage. Ensure it is within the range of your existing Wi-Fi signal.
3. **Plug In:** Plug the Wi-Fi Repeater into a standard electrical outlet. The power LED indicator should light up.



Figure 2: The Hyzom Wi-Fi Repeater is designed for wall-plug installation, blending into home decor.

3.2. Configuration via WPS (Recommended for quick setup)

WPS allows for a quick and easy connection without needing to enter network passwords.

1. **Power On:** Plug the Wi-Fi Repeater into an electrical outlet.
2. **Press WPS on Repeater:** Press the WPS button on the side of the Hyzom Wi-Fi Repeater. The WPS LED indicator should start blinking.
3. **Press WPS on Router:** Within two minutes, press the WPS button on your main Wi-Fi router.
4. **Wait for Connection:** The repeater will automatically connect to your router. Once connected, the signal strength LEDs on the repeater will light up, indicating a successful connection.



Figure 3: The WPS button on the side of the repeater simplifies the setup process.

3.3. Configuration via Web Browser (For advanced settings or if WPS fails)

1. **Connect to Repeater's Network:** Plug in the repeater. On your computer or mobile device, connect to the repeater's default Wi-Fi network (e.g., "Hyzom_Extender" or similar, usually found on a label on the device). No password is required initially.
2. **Access Web Interface:** Open a web browser and enter the default IP address (e.g., 192.168.1.254 or repeater.local) into the address bar. Refer to the device label or quick start guide for the exact address.
3. **Log In:** Enter the default username and password (usually "admin" for both, or as specified on the device label).

4. **Select Mode:** Choose either "Repeater Mode" or "AP Mode" based on your needs.

- **Repeater Mode:** Extends your existing Wi-Fi network. Select your main Wi-Fi network from the list, enter its password, and configure the extended network's name (SSID) and password.
- **AP Mode:** Transforms your wired network connection into a wireless access point. Connect an Ethernet cable from your router to the repeater's LAN port. Configure the new wireless network's name (SSID) and password.

5. **Apply Settings:** Save the settings and wait for the repeater to restart.

6. **Reconnect:** Reconnect your devices to the new extended or AP network.

4. OPERATION

Once configured, the Hyzom Wi-Fi Repeater operates automatically to provide extended wireless coverage.

4.1. LED Indicators

The LEDs on the front panel provide information about the device's status:

- **Power LED:** Indicates if the device is powered on.
- **WPS LED:** Blinks during WPS setup, solid when WPS connection is established.
- **Signal Strength LEDs:** Indicate the strength of the signal received from your main router. More LEDs lit means a stronger signal. Aim for at least two or three LEDs for optimal performance.
- **LAN/WAN LED:** Indicates activity on the Ethernet port.

Connect up to 40 Devices with Universal Capacity



Figure 4: Rear view of the Hyzom Wi-Fi Repeater, showing the power plug for direct wall insertion.

4.2. Network Coverage and Performance

The repeater is designed to provide up to 7000 square feet of extended Wi-Fi coverage. Its four external high-gain antennas help to achieve 360-degree full signal coverage, reducing signal loss when passing through walls and focusing signal strength towards your devices.



Figure 5: Illustration of how the Wi-Fi Repeater extends network coverage throughout a multi-story home, eliminating dead zones.

**CONNECT UP TO
40 DEVICES**

**BOOST WIFI COVERAGE
THROUGHOUT YOUR HOME**

Figure 6: The repeater can connect up to 40 devices, supporting a wide range of compatible devices for various activities.



Need Better WiFi Coverage? Eliminate WiFi Dead Zones?

We've got you covered up to **9882 sq.ft** of powerful WiFi coverage.

Help stay connected and enjoy WiFi whether you're in the basement or courtyard.

Figure 7: The extended Wi-Fi network supports multiple users and activities simultaneously.

4.3. Wired Connection

The repeater includes a WAN/LAN Ethernet port that supports both network output and input. This allows for a faster and more stable wired connection for devices like smart TVs, gaming consoles, or desktop computers, reducing wireless interference.



Figure 8: The Ethernet port provides options for both wired device connection and AP mode setup.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Wi-Fi Repeater.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Optimal Placement:** Periodically check the signal strength LEDs. If the signal is weak, consider repositioning the repeater closer to your main router or in a more open area.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates. Updating the firmware can improve performance, add new features, and fix bugs. Follow the instructions provided by the manufacturer for any updates.
- **Restarting:** If you experience network issues, try restarting the repeater by unplugging it from the power outlet for 10 seconds and then plugging it back in.

6. TROUBLESHOOTING

If you encounter problems with your Hyzom Wi-Fi Repeater, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
No Power / Power LED Off	Device not plugged in, power outlet faulty.	Ensure the repeater is securely plugged into a working electrical outlet. Try a different outlet.
Cannot connect to the extended network	Incorrect password, repeater out of range of main router, incorrect configuration.	<ul style="list-style-type: none"> ◦ Verify the Wi-Fi password. ◦ Relocate the repeater closer to your main router. ◦ Perform a factory reset and reconfigure the repeater.
Slow internet speed or frequent disconnections	Poor signal from main router, interference, too many connected devices.	<ul style="list-style-type: none"> ◦ Check the signal strength LEDs on the repeater; if low, move it closer to the router. ◦ Avoid placing the repeater near large metal objects or other electronic devices that may cause interference. ◦ Ensure your main router's firmware is up to date.
WPS setup fails	Router does not support WPS, WPS button not pressed within time limit, WPS disabled on router.	<ul style="list-style-type: none"> ◦ Try the web browser configuration method. ◦ Ensure WPS is enabled on your main router. ◦ Press the WPS buttons on both devices within the specified time frame.
Cannot access web management page	Incorrect IP address, device not connected to repeater's network.	<ul style="list-style-type: none"> ◦ Ensure your device is connected to the repeater's Wi-Fi network (or via Ethernet in AP mode). ◦ Verify the correct IP address or domain name (e.g., 192.168.1.254) from the device label. ◦ Clear your browser's cache or try a different browser.

If problems persist, consider performing a factory reset on the repeater by pressing and holding the reset button (usually a small pinhole) for 5-10 seconds while the device is powered on. This will revert all settings to their default values.

7. SPECIFICATIONS

Feature	Detail
Brand	Hyzom
Model Number	B0BL2DRCST
Compatible Devices	Router
Range	Up to 7000 Square Feet
Item Weight	6.4 ounces
Package Dimensions	7.4 x 3.82 x 2.2 inches
Date First Available	November 1, 2022
Manufacturer	Hyzom