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Prolink DH-5202

Prolink DH-5202 Wi-Fi 6 AX1500 Dual-band Extender

Model: DH-5202

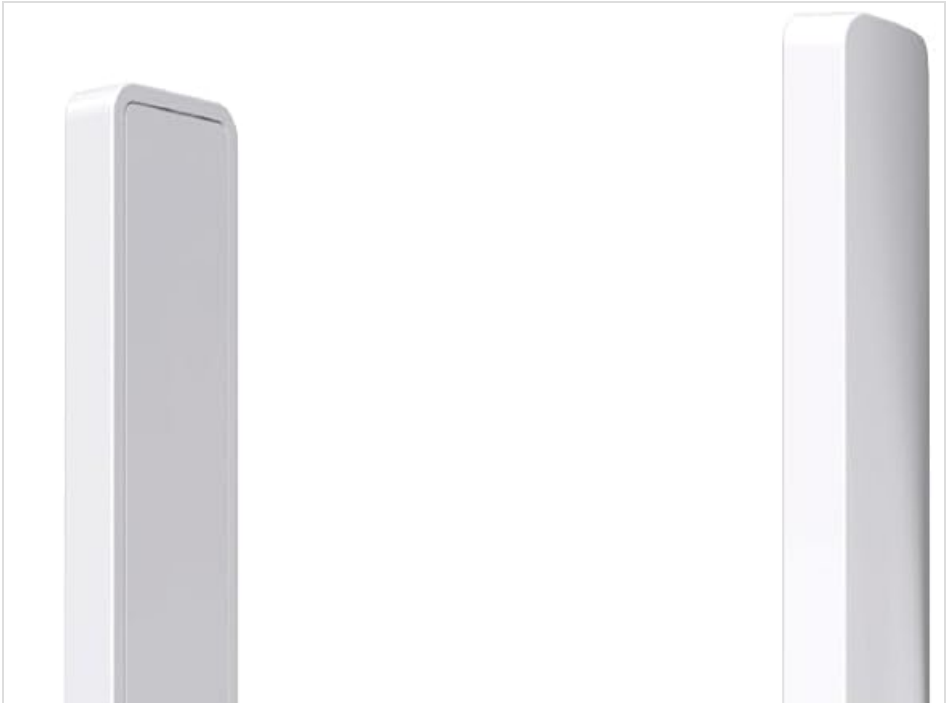
1. Introduction

The Prolink DH-5202 Wi-Fi 6 AX1500 Dual-band Extender is designed to enhance your existing Wi-Fi coverage and eliminate dead zones. It operates on both 2.4GHz and 5GHz bands simultaneously, providing a combined speed of up to 1500Mbps. This extender supports the latest Wi-Fi 6 technology, offering faster speeds, improved connectivity, and greater capacity for multiple devices. It can function as a Wi-Fi Repeater or an Access Point, adapting to your network requirements. Key features include a Gigabit Ethernet port for wired connections, a Smart LED Indicator for optimal placement, and WPA3 security for enhanced network protection.

2. Product Overview

2.1 Physical Components

The Prolink DH-5202 features a compact design with integrated antennas and essential ports for network extension.



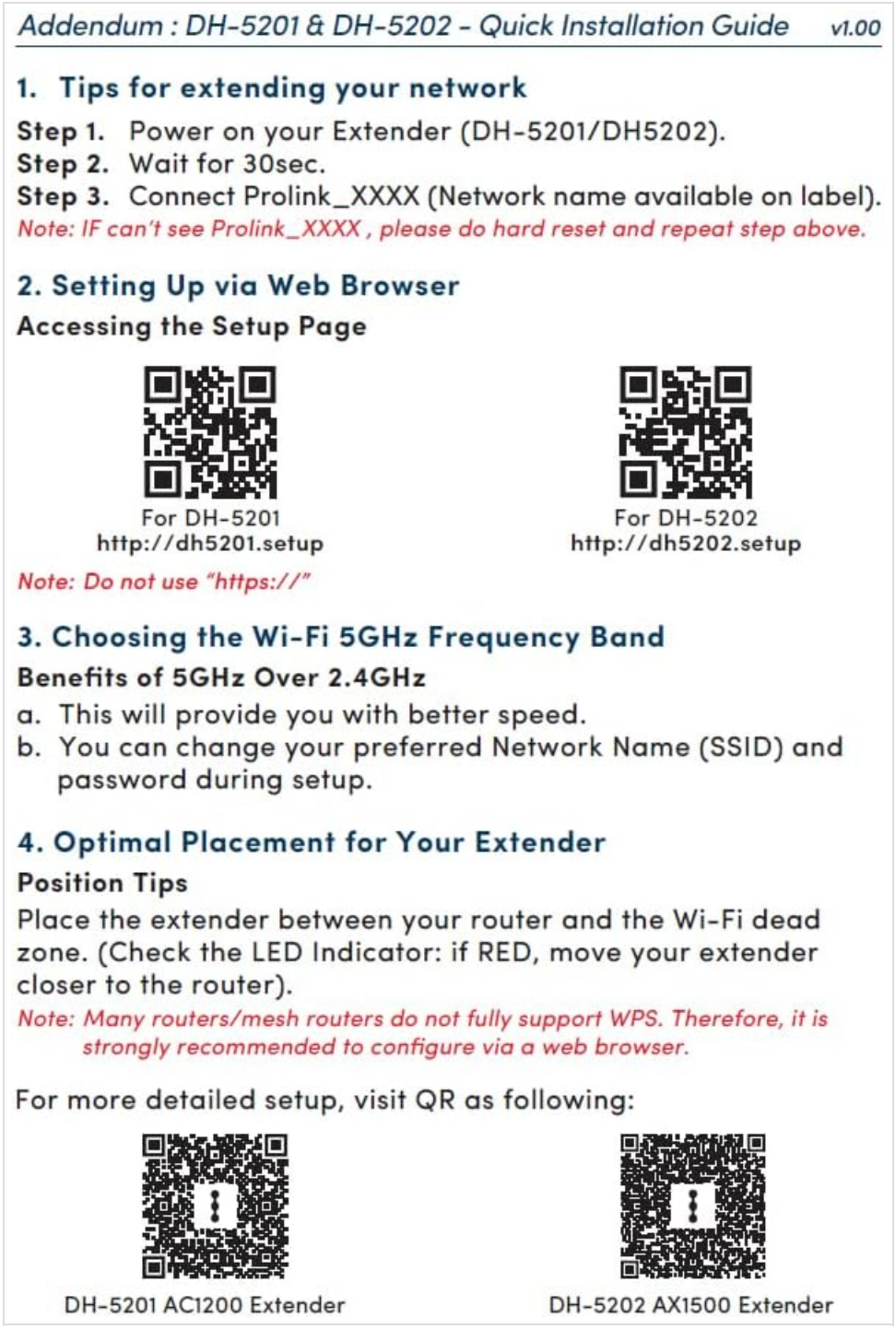
Front view of the Prolink DH-5202 Wi-Fi Extender, showing the Prolink logo and LED indicator.

Side view of the Prolink DH-5202 Wi-Fi Extender, highlighting the Gigabit Ethernet port and WPS button.

2.2 Smart LED Indicator

The LED indicator on the front of the extender provides visual feedback on the connection status and signal strength, aiding in optimal placement.

- **Green:** Good connection.
- **Yellow:** Unstable connection. Consider changing the extender's location.
- **Red:** Poor connection. Move the extender closer to the main router.
- **Blinking Red:** Network extension failed or re-connection is needed.



Addendum : DH-5201 & DH-5202 - Quick Installation Guide v1.00

1. Tips for extending your network

Step 1. Power on your Extender (DH-5201/DH5202).
Step 2. Wait for 30sec.
Step 3. Connect Prolink_XXXX (Network name available on label).
Note: IF can't see Prolink_XXXX , please do hard reset and repeat step above.

2. Setting Up via Web Browser

Accessing the Setup Page

For DH-5201
http://dh5201.setup

For DH-5202
http://dh5202.setup

Note: Do not use "https://"

3. Choosing the Wi-Fi 5GHz Frequency Band

Benefits of 5GHz Over 2.4GHz

a. This will provide you with better speed.
b. You can change your preferred Network Name (SSID) and password during setup.

4. Optimal Placement for Your Extender

Position Tips

Place the extender between your router and the Wi-Fi dead zone. (Check the LED Indicator: if RED, move your extender closer to the router).

Note: Many routers/mesh routers do not fully support WPS. Therefore, it is strongly recommended to configure via a web browser.

For more detailed setup, visit QR as following:

DH-5201 AC1200 Extender

DH-5202 AX1500 Extender

This image details the Smart LED Indicator: Green for good connection, Yellow for unstable connection, Red for poor connection, and Blinking Red for network extension failure.

3. Setup

The Prolink DH-5202 offers two primary methods for setup: WPS (Wi-Fi Protected Setup) for quick pairing or Web GUI (Graphical User Interface) for more detailed configuration.

3.1 Method 1: WPS Setup

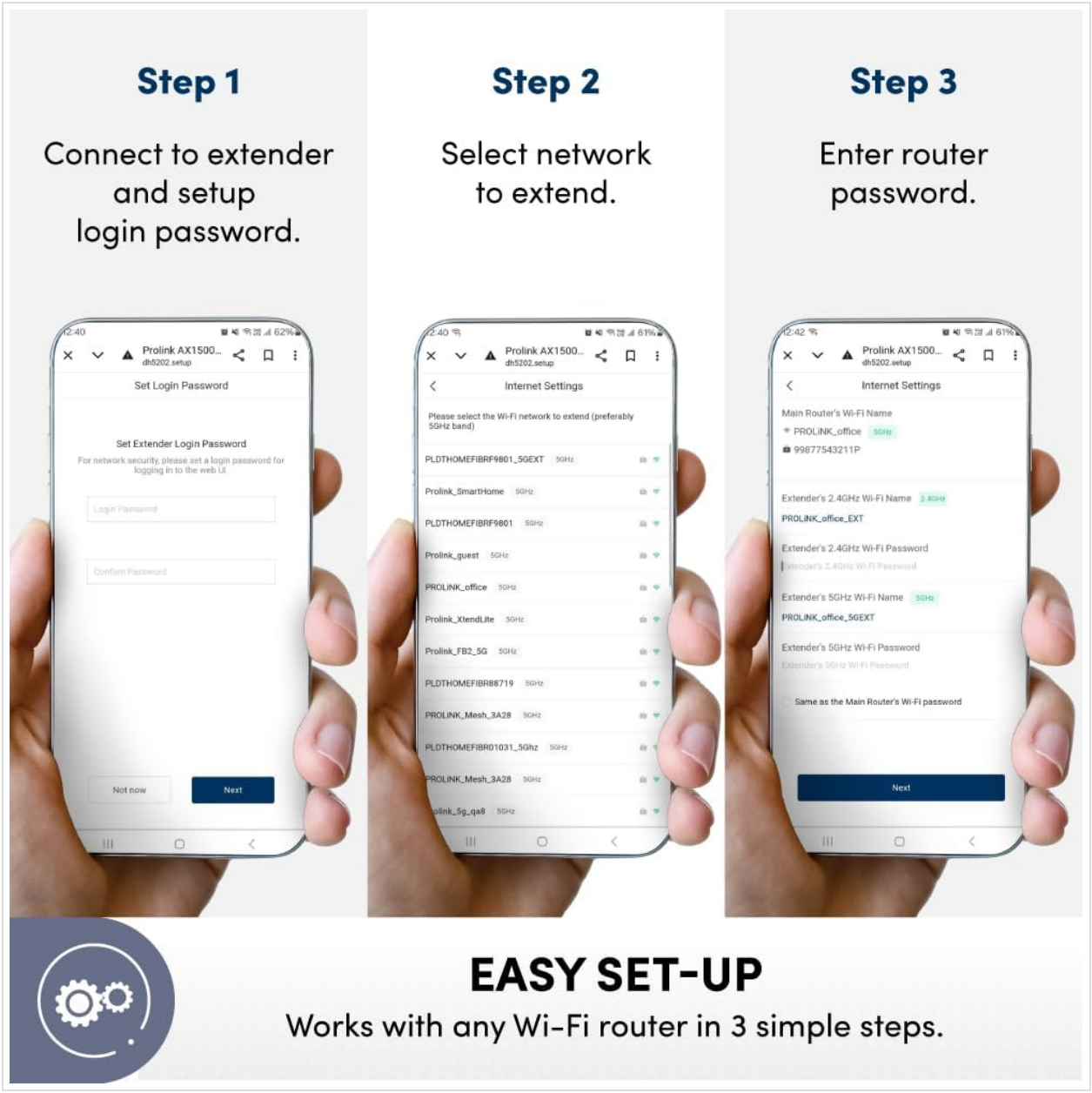
1. Plug the extender into a power outlet near your main router.
2. Wait for 30 seconds for the extender to power on.
3. Press the WPS button on your main router.
4. Within two minutes, press the WPS button on the Prolink DH-5202 extender.
5. The LED indicator on the extender will change to green when successfully connected.

Note: Many routers/mesh routers do not fully support WPS. If WPS fails, use the Web GUI method.

3.2 Method 2: Web GUI Setup

1. Plug the extender into a power outlet.
2. On your computer or mobile device, connect to the extender's default Wi-Fi network (e.g., Prolink_XXXX).
3. Open a web browser and navigate to http://dh5202.setup.
4. Follow the on-screen instructions to set up a login password for the extender.
5. Select the Wi-Fi network you wish to extend (preferably the 5GHz band for better speed).
6. Enter the password for your main router's Wi-Fi network.
7. The extender will then connect and extend your network.

This image demonstrates two methods for pairing the extender with your router: using the WPS button for quick setup or accessing the Web GUI for detailed configuration.



A step-by-step guide showing the easy setup process: connect and set login password, select network to extend, and enter router password.

4. Operating Modes

The Prolink DH-5202 can operate in two distinct modes:

4.1 Repeater Mode

In Repeater Mode, the extender wirelessly connects to your existing Wi-Fi network and re-broadcasts it, extending the coverage area. This mode is ideal for eliminating Wi-Fi dead zones and providing wireless connectivity to devices like smart TVs, gaming consoles, and laptops in areas with weak signals.

4.2 Access Point (AP) Mode

In Access Point Mode, the extender connects to your main router via an Ethernet cable. It then creates a new dual-band wireless network, effectively turning your wired connection into a Wi-Fi hotspot. This mode is suitable for situations where you have an Ethernet port available but need to provide wireless access.

This image explains the two operational modes: Repeater Mode for wireless extension and Access Point Mode for converting a wired connection to Wi-Fi.

5. Optimal Placement

Proper placement of your Wi-Fi extender is crucial for maximizing its performance and ensuring stable network coverage. Use the Smart LED Indicator to find the best location.

- Place the extender roughly halfway between your main router and the Wi-Fi dead zone.
- Avoid placing the extender near large metal objects, concrete walls, or appliances that emit electromagnetic interference (e.g., microwaves, cordless phones).
- Observe the LED indicator:
    - If the LED is **Green**, the connection is good.
    - If the LED is **Yellow**, the connection is unstable; try adjusting the position slightly.
    - If the LED is **Red**, the connection is poor; move the extender closer to the router.

This illustration demonstrates the impact of extender placement on Wi-Fi signal. A red LED indicates poor placement (too far), while a green LED indicates optimal placement for stable connection.

6. Specifications

Feature	Specification
Brand	Prolink
Model Number	DH-5202
Wireless Type	802.11a/b/g/n, 802.11ax (Wi-Fi 6)
Data Transfer Rate	1500 Megabits Per Second (AX1500)
Frequency Band Class	Dual-Band (2.4 GHz and 5 GHz)
Antennas	2x 5dBi antennas
Ethernet Port	Gigabit Ethernet Port

Security	WPA3
Special Features	Access Point Mode, LED Indicator
Product Dimensions	12.3D x 7.2W x 4.8H centimetres
Item Weight	0.25 Kilograms

7. Troubleshooting

If you encounter issues with your Prolink DH-5202 extender, refer to the following common troubleshooting steps:

- **No Power:** Ensure the extender is securely plugged into a working power outlet.
- **No Wi-Fi Signal from Extender:** Check the LED indicator. If it's off or blinking red, the extender may not be powered on or connected to the main router. Re-attempt setup.
- **Poor Connection (Red/Yellow LED):** Relocate the extender closer to your main router. Ensure there are no major obstructions between the router and the extender.
- **Cannot Access Web GUI:** Ensure your device is connected to the extender's Wi-Fi network (e.g., Prolink_XXXX) and you are typing the correct address (http://dh5202.setup) into your browser. Avoid using "https://".
- **Slow Speed:** Ensure the extender is placed optimally (Green LED). If extending a 5GHz network, ensure your devices also support 5GHz for best performance. Consider switching to AP mode if a wired connection to the router is feasible.
- **Forgotten Login Password:** If you forget the extender's login password, you may need to perform a factory reset. Locate the reset button (usually a small pinhole) and press and hold it for about 10 seconds while the extender is powered on. This will revert the extender to its factory default settings, and you will need to set it up again.
- **Network Extension Failure (Blinking Red LED):** This often indicates an issue with the connection to the main router. Verify the main router's Wi-Fi is active and the password entered during setup is correct. Try restarting both the router and the extender.

8. Maintenance

To ensure the longevity and optimal performance of your Prolink DH-5202 Wi-Fi Extender, consider the following maintenance tips:

- **Cleaning:** Gently wipe the exterior of the extender with a soft, dry cloth. Do not use liquid cleaners or abrasive materials. Ensure ventilation holes are clear of dust.
- **Firmware Updates:** Periodically check the Prolink official website for any available firmware updates. Firmware updates can improve performance, add new features, and enhance security. Follow the instructions provided by Prolink for updating firmware.
- **Environmental Conditions:** Operate the extender within recommended temperature and humidity ranges. Avoid exposing it to direct sunlight, excessive heat, or moisture.
- **Restarting:** If you experience intermittent connectivity issues, a simple restart of the extender (unplugging and replugging after 10 seconds) can often resolve the problem.

9. Warranty and Support

Prolink offers local warranty and technical support for its products. For assistance, please contact:

- **Email Support:** support@prolink2u.com
- **Phone Support:** (65) 6357 0666

Prolink is an established Singaporean brand with 30 years of excellence since 1991, committed to providing reliable products and support.