D-Link

DIR-X3000Z

AX3000 Wi-Fi 6 Mesh Gigabit Router

User Manual

Web GUI Reference (Firmware Version 1.03)

Default Web Address: http://192.168.0.1
Default Username: Admin
Default Password: Printed on the product label

1. Introduction

The D-Link DIR-X3000Z is an AX3000 dual-band Wi-Fi 6 (802.11ax) Mesh Gigabit Router designed for high-performance home and small-office networking. It delivers combined wireless speeds of up to 3000 Mbps (2402 Mbps on 5 GHz + 574 Mbps on 2.4 GHz), features EasyMesh support for whole-home coverage, and includes advanced management features accessible through a modern web-based graphical user interface or the D-Link Wi-Fi Connect mobile app.

This manual covers the Web GUI available in Firmware version 1.03 and incorporates setup instructions from the official Quick Installation Guide.

1.1 Key Features

- Wi-Fi 6 (802.11ax) dual-band with OFDMA and 160 MHz channel support
- AX3000 total wireless throughput (up to 3 Gbps combined)
- 1 × Gigabit WAN + 3 × Gigabit LAN ports
- EasyMesh™ support for multi-unit whole-home coverage
- WPA3 / WPA2 security, Guest Network, Parental Controls
- Smart Connect, Wi-Fi 5 Backup, and beamforming
- Port Mapping, DDNS, VLAN / IPTV, DDoS protection
- Web-based management and D-Link Wi-Fi Connect mobile app

1.2 Package Contents

- Wireless Router (DIR-X3000Z)
- Power Adapter
- Ethernet Cable
- Quick Installation Guide
- Warranty Card

Note: If any of these items are missing from your packaging, contact your reseller.

2. Hardware Overview

2.1 Ports and Buttons

- Internet (WAN) Port – Connect to your modem or ISP connection box (NBN / UFB)
- LAN Ports 1–3 – Connect wired devices (computers, switches, NAS, game consoles)
- Power Receptor – Connect the supplied power adapter
- Power Button – Turn the router on or off
- WPS Button – Press to initiate Wi-Fi Protected Setup or to pair EasyMesh agents
- Reset Button – Press and hold to restore factory defaults

2.2 LED Indicators

Typical LED status indicators include Power, Internet, 2.4 GHz, 5 GHz, LAN activity, and WPS. Refer to the product label or Quick Installation Guide for exact LED behaviour on your hardware revision.

3. Installation and Initial Setup

3.1 Placement

Place the router in a central, elevated, open location. Avoid enclosed spaces such as cabinets, closets, attics, or garages. Keep the router away from large metal objects, microwave ovens, and cordless phones that operate in the 2.4 GHz band.

3.2 Hardware Connection (Schematic)

Follow these steps to connect the router to your Internet service:

1. Power off your modem / NBN or UFB Connection Box if required.
2. Using the included Ethernet cable, connect the Router's WAN port to the Ethernet / LAN / UNI-D1 port on your NBN or UFB Connection Box (or cable/DSL modem).
3. Connect the power adapter to the router and plug it into a power outlet. Power on the router.
4. Wait 1–2 minutes for the router to boot completely (LEDs stabilise).
5. (Optional) Connect a computer to any of the LAN1, LAN2 or LAN3 ports using a network cable for wired configuration.

Tip: The default Wi-Fi name (SSID) and password are printed on the label at the back of the Router. You can connect devices via Wi-Fi or via network cable before completing the setup.

3.3 Connecting Your Devices

Connect via Wi-Fi

Connect your device (phone, tablet, laptop) to the Router's Wi-Fi. The default Wi-Fi name and password are printed on the label at the back of the Router.

Connect via a Network Cable

Connect your PC to the Router's LAN1, LAN2 or LAN3 port using a network cable.

4. Initial Setup – Option 1: D-Link Wi-Fi Connect App

The recommended and easiest way to set up the DIR-X3000Z is with the free D-Link Wi-Fi Connect mobile app (available for iOS and Android).

4.1 App Setup Steps

1. Install the D-Link Wi-Fi Connect App from the Apple App Store or Google Play Store.
2. Connect your phone to the Router's Wi-Fi. The Wi-Fi Name and password are printed on the label at the back of the Router.
3. Open the D-Link Wi-Fi Connect app. You will be prompted to enter the Router's admin password – the factory password is printed on the label at the back of the Router.
4. To set up your Router's Internet connection, tap on the Internet Settings icon. Select your Internet Connection type (e.g. Dynamic IP / DHCP, PPPoE, Static IP) and enter the required details.
5. To set up your Router's Wi-Fi, tap on the Wi-Fi Settings icon. Enter the desired Wi-Fi Name (SSID) and assign a secure password to your Wi-Fi.

6. After completing the Quick Setup, the Router will restart. Reconnect to your Router's Wi-Fi using the new name and password.

Tip: Keep the product label or a photo of it until setup is complete – it contains the default Wi-Fi credentials and admin password.

5. Initial Setup – Option 2: Web Browser

You can also use a web browser on your computer or phone to set up the Router.

5.1 Web Browser Setup Steps

1. Connect your computer or phone to the Router's Wi-Fi (SSID and password on the label) or connect your computer to one of the Router's LAN ports using a network cable.
2. Open your web browser and enter http://192.168.0.1 in the address bar. You will be prompted to enter the Router's admin password – the factory password is printed on the label at the back of the Router.
3. To set up your Router's Internet connection, click on the Internet Settings icon. Select your Internet Connection type and enter the required details.
4. To set up your Router's Wi-Fi, click on the Wi-Fi Settings icon. Enter the desired Wi-Fi Name and assign a secure password to your Wi-Fi.
5. After completing the setup, the Router will restart. Reconnect to your Router's Wi-Fi using the new name and password.

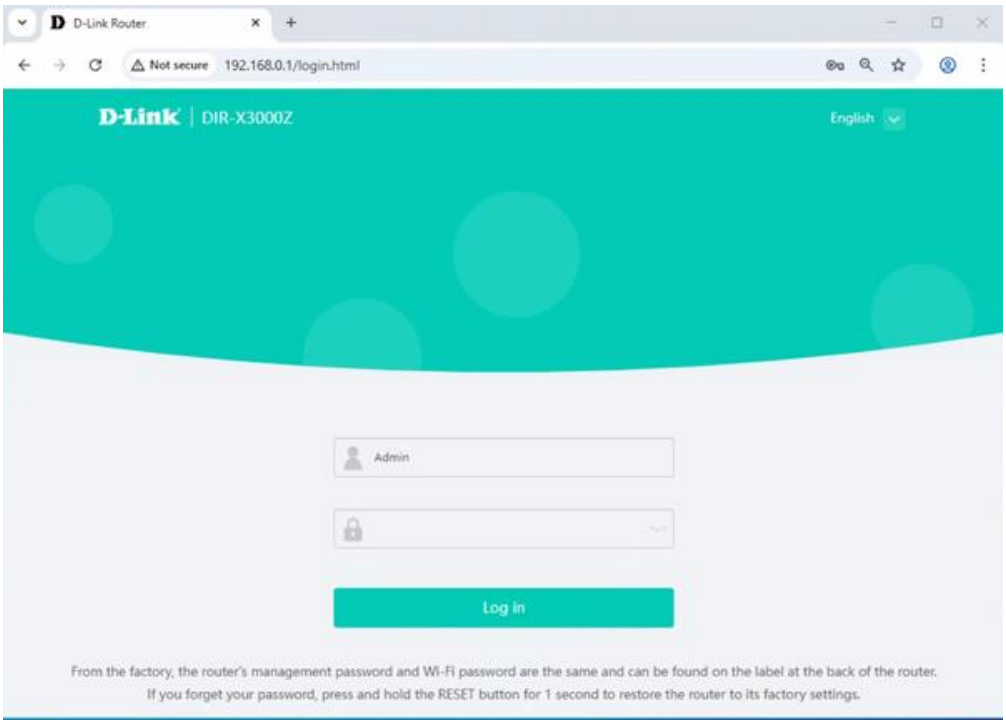


Figure 1 – Login page (http://192.168.0.1)

Note: From the factory, the router's management password and Wi-Fi password are the same and can be found on the label at the back of the router. If you forget your password, press and hold the RESET button to restore the router to its factory settings.

6. Optional – EasyMesh Setup

The DIR-X3000Z supports EasyMesh so you can expand coverage with additional compatible D-Link routers acting as satellite (agent) nodes. You can create a Wi-Fi mesh with multiple D-Link Routers using either the Wireless Mesh method or the Wired Mesh method.

6.1 Wireless Mesh Method

This is the simplest way to add a satellite router:

1. Place the satellite (agent) router within wireless range of the main (controller) router and power it on.
2. Press the WPS button on top of both routers (main and satellite).
3. The routers will synchronise with each other automatically. Wait until the mesh connection is established (check LEDs or the app/Web GUI status).

> **Tip:** For best results, place the satellite roughly halfway between the main router and the area needing better coverage. Avoid placing it too far away on the first pairing.

6.2 Wired Mesh Method

For the most reliable backhaul:

1. Connect the WAN port of your Satellite Router to one of the LAN ports of the Main Router using an Ethernet cable.
2. The Mesh network will be configured automatically.

Once the mesh is formed you can disconnect the Ethernet cable if desired (the system can fall back to wireless backhaul), or leave it connected for maximum performance.

6.3 Managing Mesh from the Web GUI

After the initial pairing, you can view and manage EasyMesh nodes under Network → EasyMesh in the Web GUI. Additional agents can be added following the same WPS or wired procedure.

7. Home Tab (Web GUI)

After successful login you are taken to the Home dashboard, which provides a quick overview of Internet status, router status, connected clients, traffic, and uptime.

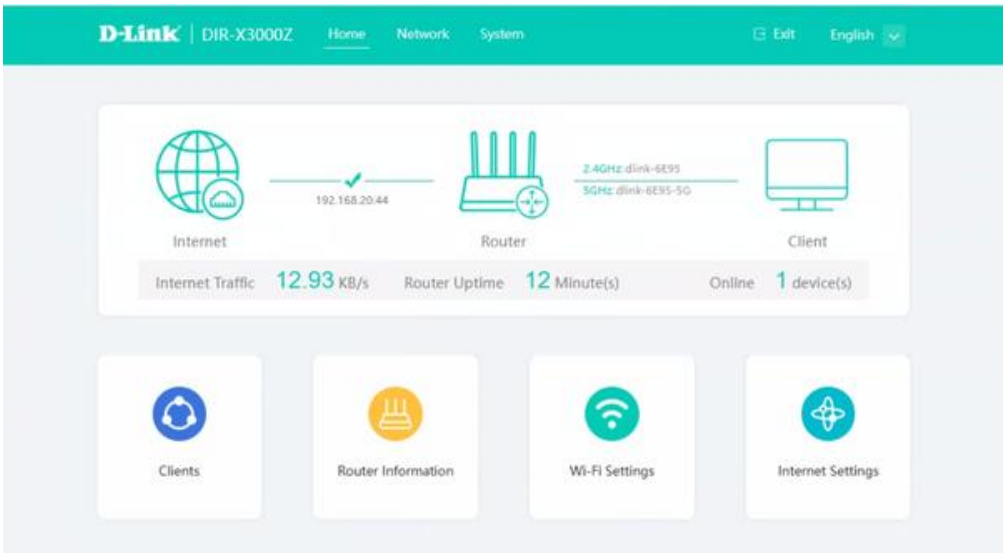


Figure 2 – Home dashboard

7.1 Clients

Click the Clients icon to view all wired and wireless devices currently connected to the router. For each client you can see online time, IP address, MAC address, and upload/download speeds. You may also apply a speed limit or add the device to the blacklist.

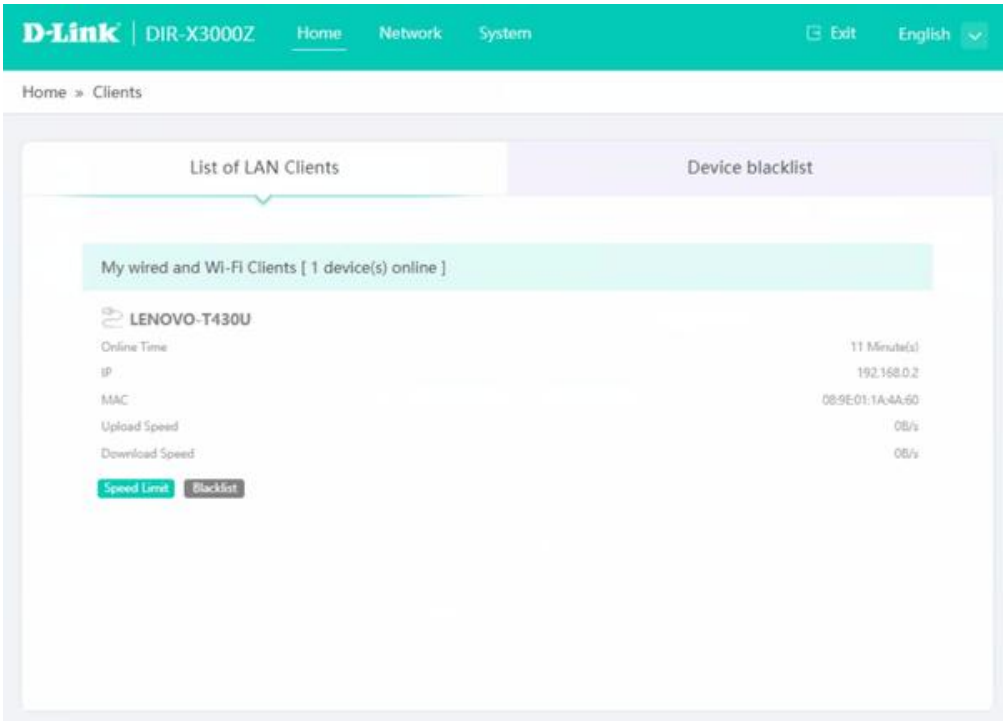


Figure 3 – List of LAN Clients

The Device blacklist tab lets you permanently block selected MAC addresses from accessing the network.

7.2 Router Information

This page displays detailed device and connection information:

- Device Information – Model, name, wireless rate (3000 Mbps), memory, serial number, MAC address, firmware version, hardware version
- Internet Information – Mode (Routing / Bridge), uplink type, IPv4/IPv6 address, gateway, DNS servers
- LAN Information – LAN IP, DHCP range, IPv6 address, port link status, current Wi-Fi channel and SSID details

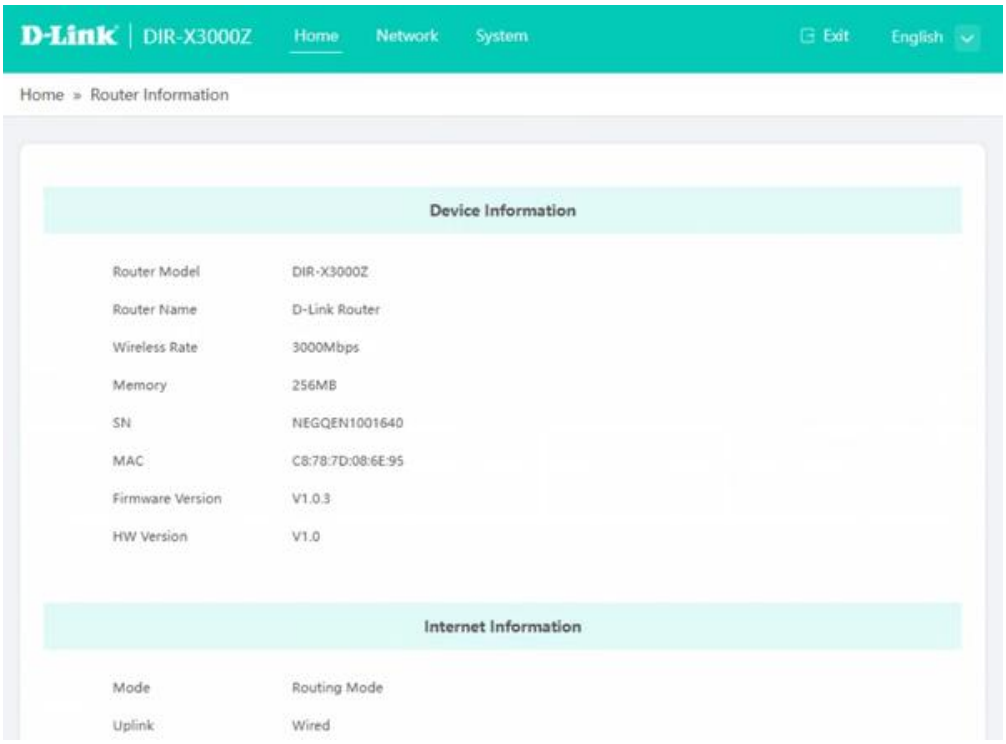


Figure 4 – Router Information (partial view)

7.3 Wi-Fi Settings

Configure the 2.4 GHz and 5 GHz wireless networks independently or with Smart Connect.

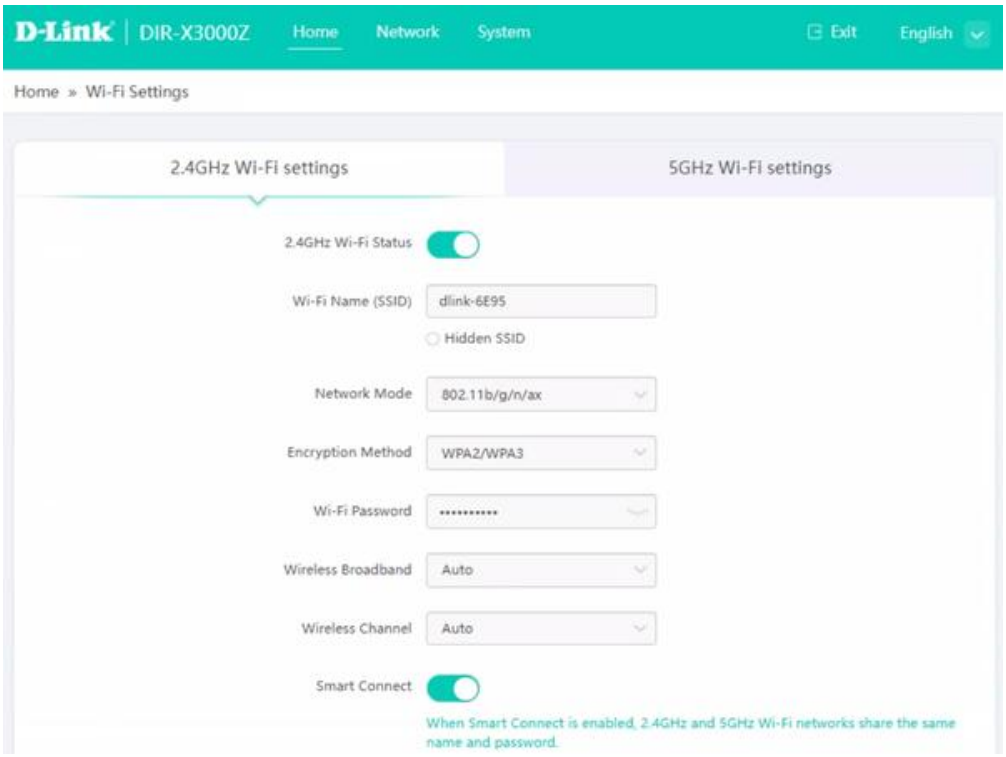


Figure 5 – 2.4 GHz Wi-Fi Settings

Key options:

- Wi-Fi Status – Enable / disable the radio
- Wi-Fi Name (SSID) – Network name broadcast to clients
- Hidden SSID – Hide the network from scanning
- Network Mode – e.g., 802.11b/g/n/ax (2.4 GHz) or 802.11a/n/ac/ax (5 GHz)
- Encryption Method – WPA2/WPA3 recommended
- Wi-Fi Password – Minimum 8 characters
- Wireless Channel / Bandwidth – Auto or manual selection
- Smart Connect – When enabled, both bands share the same SSID and password (recommended for most users)
- Wi-Fi 5 Backup – Creates an additional legacy Wi-Fi 5 network (Dlink-WiFi5) for older clients that have difficulty with Wi-Fi 6

7.4 Internet Settings

Configure the WAN (Internet) connection type and related options.



Figure 6 – Internet Settings – IPv4

IPv4

- Dynamic IP (DHCP) – Most common for cable / fibre / NBN (automatic)
- Static IP – Enter IP address, subnet mask, gateway and DNS provided by your ISP
- PPPoE – Enter the username and password supplied by your ISP

IPv6

Supports Adaptive, Static, DHCPv6 and other common IPv6 modes.

VLAN

Enable VLAN tagging for Internet, IPTV or VoIP services. Configure VLAN ID (2–4094) and Priority (0–7). Port mapping of LAN ports to Internet / IPTV is also available.

8. Network Tab

The Network tab provides advanced networking features.

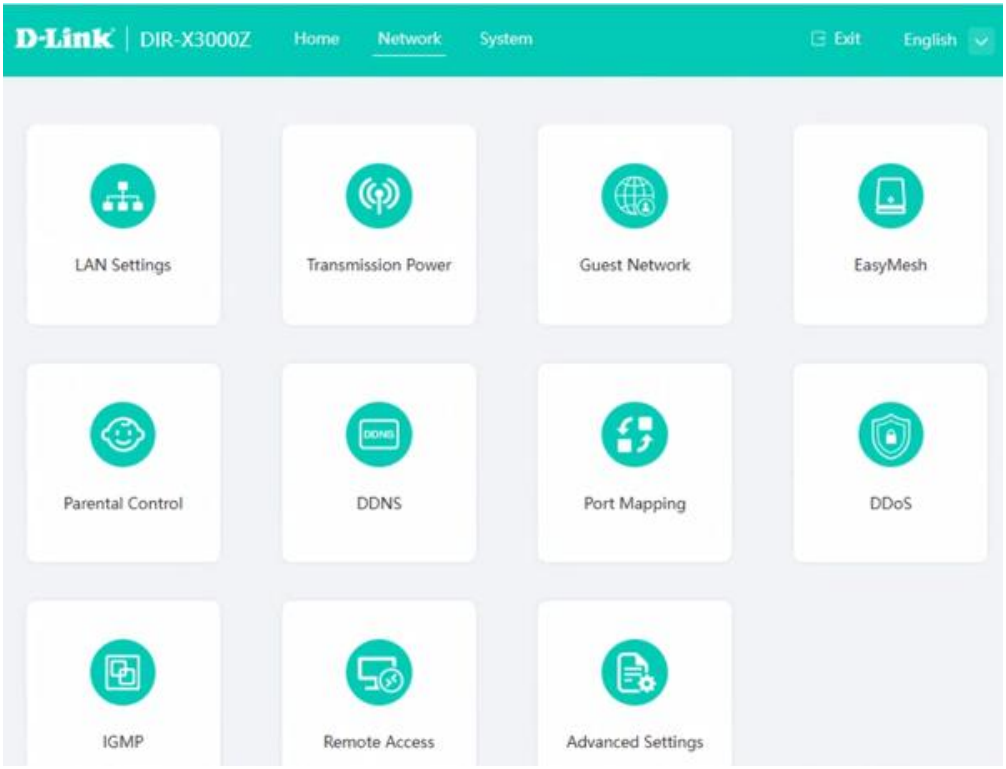


Figure 7 – Network menu

8.1 LAN Settings

Change the router's LAN IP address and DHCP server range. Default LAN IP is 192.168.0.1 with DHCP pool 192.168.0.2–192.168.0.254.

8.2 Transmission Power

Adjust the transmit power of the 2.4 GHz and 5 GHz radios (High / Medium / Low) to balance coverage and interference.

8.3 Guest Network

Create isolated 2.4 GHz and/or 5 GHz guest networks. Guests can access the Internet but cannot reach devices on the main LAN.

8.4 EasyMesh

Enable and manage EasyMesh to form a multi-unit mesh network. Additional compatible D-Link EasyMesh nodes can be added to extend coverage throughout the home. See Section 6 for pairing methods.

8.5 Parental Control

Three filter types are available:

- MAC Filter – Allow or deny devices by MAC address
- IP Filter – Control traffic by source/destination IP, port and protocol with optional schedule
- URL Filter – Block specific websites or keywords

8.6 DDNS

Configure Dynamic DNS (e.g., DynDNS) so you can reach the router from the Internet using a fixed hostname even if the public IP changes.

8.7 Port Mapping

Forward external ports to internal devices (port forwarding / virtual server). Useful for hosting game servers, cameras, or remote desktop.

8.8 DDoS

Enable protection against common Distributed Denial-of-Service attacks.

8.9 IGMP

Configure IGMP Proxy / Snooping for IPTV multicast services.

8.10 Remote Access

Allow or restrict remote management of the router from the Internet. Use with caution and always change the default password.

8.11 Advanced Settings

Additional advanced options such as UPnP, ALG, and other network fine-tuning parameters.

9. System Tab

System management functions are collected under the System tab.

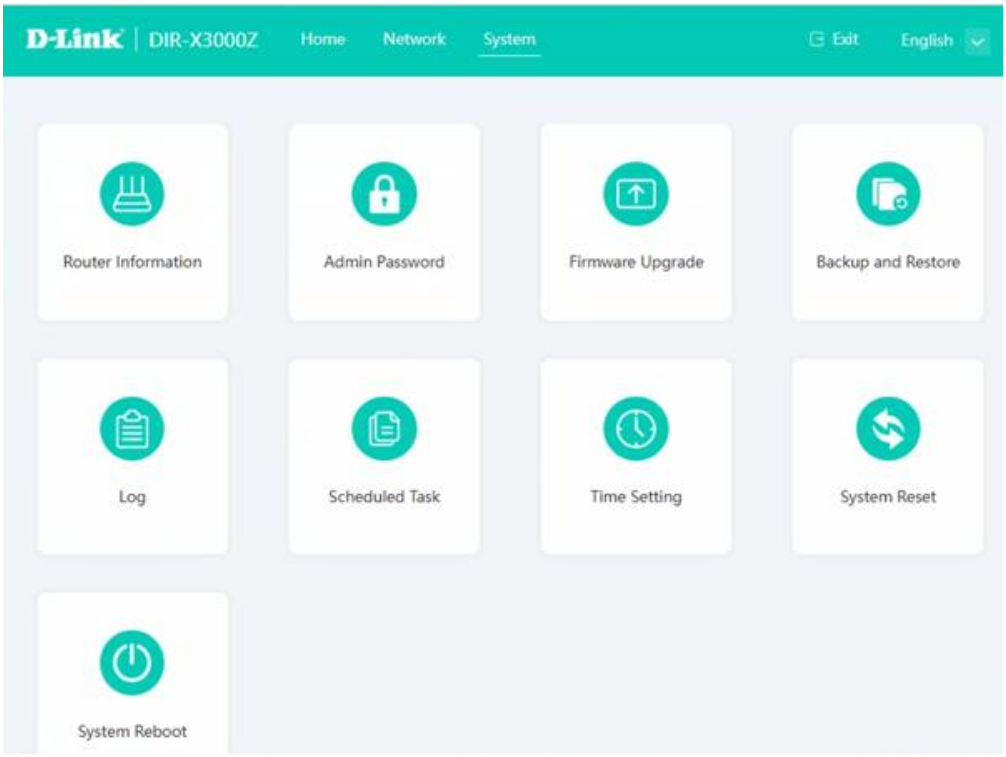


Figure 8 – System menu

9.1 Router Information

Same detailed status page available from the Home tab.

9.2 Admin Password

Change the administrator login password. Choose a strong password and keep it secure.

9.3 Firmware Upgrade

Upload a new firmware file obtained from the official D-Link support website. Do not power off the router during the upgrade process. After a successful upgrade the router will reboot automatically.

9.4 Backup and Restore

Save the current configuration to a file on your computer, or restore a previously saved configuration. Useful before making major changes or after a factory reset.

9.5 Log

View system and security logs for troubleshooting.

9.6 Scheduled Task

Schedule automatic reboot or other maintenance tasks at preferred times.

9.7 Time Setting

Configure the system clock using NTP servers or manual setting. Correct time is required for schedules, logs and parental-control rules.

9.8 System Reset

Restore the router to factory default settings. All custom configurations will be lost. The default Wi-Fi SSID and password printed on the label will be restored.

9.9 System Reboot

Gracefully reboot the router without losing configuration.

10. Connecting Wireless Clients

10.1 Standard Connection

On your device, open the Wi-Fi settings, select the SSID of the DIR-X3000Z (default or the name you configured), and enter the Wi-Fi password.

10.2 WPS

Press the WPS button on the router, then activate WPS on the client device within two minutes. No password entry is required.

10.3 Smart Connect

When Smart Connect is enabled, the 2.4 GHz and 5 GHz bands share the same SSID and password. Compatible devices automatically connect to the most suitable band.

11. Troubleshooting

Cannot access the Web GUI or App

- Verify you are connected to the router's Wi-Fi or a LAN port.
- Confirm the address is http://192.168.0.1 (or the LAN IP you configured).
- Try a different browser or clear the browser cache.
- Disable any VPN or proxy on the client.
- If the password is unknown, perform a factory reset.

No Internet access

- Check the physical cable between the NBN/UFB box (or modem) and the WAN port.
- Verify the correct Internet connection type (DHCP / PPPoE / Static) under Internet Settings.
- Reboot the modem/connection box, then the router.
- Contact your ISP if the connection box itself has no Internet connectivity.

Slow or unstable Wi-Fi

- Move the router to a more central location.

- Change the wireless channel to a less congested one (or leave on Auto).
- Reduce transmit power if interference with neighbours is suspected.
- Enable Smart Connect or Wi-Fi 5 Backup for older devices.
- Add an EasyMesh satellite for better coverage in distant rooms.
- Update client device drivers / OS.

Mesh pairing fails

- Ensure both routers are powered on and within reasonable range for wireless pairing.
- Try the wired mesh method (Ethernet between WAN of satellite and LAN of main).
- Factory-reset the satellite and try pairing again.
- Confirm both devices support EasyMesh and are running compatible firmware.

Factory Reset

With the router powered on, press and hold the Reset button for the time indicated on the product label or Quick Guide (typically 5–10 seconds) until the LEDs flash. The router will reboot with factory settings.

12. Technical Specifications

The following specifications are typical for the DIR-X3000Z (may vary slightly by regional hardware revision):

Category	Specification
Wireless Standards	IEEE 802.11ax/ac/n/a (5 GHz), IEEE 802.11ax/n/b/g (2.4 GHz)
Wi-Fi Speeds	AX3000 – 5 GHz: up to 2402 Mbps (160 MHz), 2.4 GHz: up to 574 Mbps
Antennas	5 × fixed high-performance antennas with beamforming
Processor	1 GHz dual-core ARM
Ethernet	1 × Gigabit WAN + 3 × Gigabit LAN
Buttons	Power, WPS, Reset
Power	12 V DC (adapter supplied)
Security	WPA3 / WPA2 / WPA, SPI Firewall, DDoS protection, Parental Controls
Guest Network	1 × 2.4 GHz + 1 × 5 GHz isolated guest SSIDs
Mesh	EasyMesh™ supported (wireless or wired backhaul)
WAN Types	DHCP, Static IP, PPPoE; IPv4 & IPv6
Management	Web GUI (HTTP), D-Link Wi-Fi Connect app, remote management, firmware upgrade
Operating Temperature	0 °C – 40 °C (32 °F – 104 °F)
Dimensions / Weight	Approx. 197 × 134 × 44 mm / 340 g

13. Support and Resources

For configuration guides, the latest software updates, and technical support, please visit:

- Website: support.dlink.com.au
- Contact: https://www.dlink.com.au/contactus
- Live Chat: https://support.dlink.com.au/
- Phone (24×7): Australia 1300 700 100 | New Zealand 0800 900 900

Always download firmware only from the official D-Link support site. Keep a record of your serial number and the Wi-Fi credentials printed on the product label.

Note: This User Manual is based on the Web GUI of Firmware version 1.03 and the official Quick Installation Guide (AU v1.0). Menu labels and available options may differ slightly in other firmware releases.

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Document prepared for DIR-X3000Z Web GUI (FW 1.03)