D-Link®

Highlights

Powered by Wi-Fi 6 (802.11ax)
DIR-X3000Z delivers faster speeds, greater capacity, and a seamless experience for today's hyper-connected world.

Ideal for Bandwidth-Intensive Activities
Featuring 160MHz bandwidth and 1024-QAM, DIR-X3000Z offers Gigabit speeds of up to 3Gbps, perfect for buffer-free 4K streaming, gaming, and rapid file transfers.

Powerful CPU
Powered by a dual-core CPU, this full-featured Gigabit Wi-Fi 6 Router handles multiple bandwidth-heavy tasks with ease.

Multiple High-Gain Antennas
Combined with Beamforming technology to extend strong, reliable Wi-Fi throughout your home.

Wi-Fi
6

DIR-X3000Z
AX3000 Mesh Gigabit Wireless Router

Features:

Performance and Connectivity

- 802.11ax wireless specification delivers blazing fast wireless connectivity with increased range and reliability
- Built-in Wi-Fi Mesh technology
- Combined Dual Band speeds of up to 3000Mbps (2402Mbps on 5GHz + 574Mbps on 2.4GHz)
- 5 High-Gain Antennas for extreme coverage
- 160MHz contiguous channel width
- One 10/100/1000 Gigabit Ethernet WAN port for fast-paced Internet access
- Three Gigabit Ethernet LAN ports for high-speed wired connectivity
- Compatible with 802.11ax/ac/n/g/b devices

Enhanced Security

- Latest WPA3 wireless encryption helps provide more protection for your network and connected devices
- Built-in firewall
- VPN Passthrough
- Wi-Fi Protected Setup (WPS) for one-touch setup with other devices

Easy Management

- Free D-Link Wi-Fi Connect App for easy local and remote management of your network settings

Equipped with the latest Wi-Fi 6 technology, the DIR-X3000Z AX3000 Mesh Gigabit Wireless Router delivers exceptional performance for your smart home, offering combined dual-band wireless speeds of up to 3000Mbps (2402Mbps on 5GHz + 574Mbps on 2.4GHz). Featuring 160MHz bandwidth and 1024-QAM, DIR-X3000Z provides true Gigabit speeds of up to 3Gbps - ideal for ultra-smooth streaming, gaming, and high-speed downloads. You can also expand your home network by adding additional DIR-X3000Z units via built-in Mesh technology, allowing you to move freely across your entire home, no matter how large or small. Designed for modern home environments, its robust capacity supports multiple devices transmitting data simultaneously, making it an excellent choice for today's connected households.

Reliable Connections for Multiple Devices

DIR-X3000Z future-proofs your home network with up to four times the capacity of Wi-Fi 5, enabling more devices to connect simultaneously without sacrificing performance. Powered by advanced technologies like OFDMA and MU-MIMO, it significantly improves efficiency and expands connection capacity especially in high-density environments. Reduced latency ensures smoother, more responsive experiences in real-time applications such as video conferencing and online gaming. With minimised lag and consistent reliability, DIR-X3000Z delivers a superior connected experience for every device.

Wider Coverage Throughout Your Home

Five High-Gain external antennas combined with Beamforming technology deliver strong, reliable Wi-Fi coverage across your entire home. With advanced features such as BSS Colouring, the DIR-X3000Z minimises signal interference from nearby networks, ensuring smoother, more stable connections in every room.

Safeguard Your Network with Enhanced Security

DIR-X3000Z's latest WPA3 wireless encryption protects your network and connected devices with stronger security. It enhances password protection and defends against brute-force attacks, offering robust protection from evolving cyber threats and keeps your home Wi-Fi safe, secure, and resilient.

Technical Specifications

Wireless

Standards	• Wi-Fi 6	• IEEE 802.11ax/ac/n/a 5GHz • IEEE 802.11ax/n/b/g 2.4GHz
Wi-Fi Speeds	• AX3000	• 5GHz: 2402Mbps (802.11ax 160Mhz)[1] • 2.4GHz: 574Mbps (802.11ax 40Mhz)[1]
Wi-Fi Range	• 3 Bedroom Houses • 5 x Fixed High Performance Antennas • Multiple antennas form a signal boosting array to cover more directions and large areas • Beamforming • Concentrates wireless signal strength towards clients to expand Wi-Fi range • High Power FEM • Improves transmission power to strengthen signal coverage	
Wi-Fi Transmission Power	• CE: <20dBm (2.4GHz); <23dBm (5.15GHz~5.35GHz); <30dBm (5.47GHz~5.725GHz) • FCC: <30dBm (2.4GHz &5.15GHz~5.25GHz&5.725GHz~5.825GHz)	
Modes	• Router Mode, Bridge Mode	

Hardware

Processor	• 1G Arm9 Dual Core CPU	
Ethernet Ports	• 1 x Gigabit WAN Port	• 3 x Gigabit LAN Ports
Connectors & Buttons	• Power On/Off, WPS, Reset Button	
Power	• 12V 1.5A DC	

Security

Wi-Fi Encryption	• WPA, WPA2, WPA3	
Network Security	• SPI Firewall • Access Control • IP & MAC Binding	• Application Layer Gateway • DDoS Attack Prevention
Guest Network	• 1 × 5GHz Guest Network	• 1 × 2.4GHz Guest Network

Software

Protocols	• IPv4, IPv6	
WAN Types	• DHCP, Static IP, PPPoE	
Easy Mesh	• Easy Mesh™ Supported	• Expand you Wi-Fi coverage with up to 3 meshed units.
NAT Forwarding	• Port Forwarding, DMZ, UPnP	
IPTV	• IGMP Proxy, IGMP Snooping, Bridge, Tag VLAN	
DHCP	• DHCP Client List, Server	
DDNS	• DynDNS	
Management	• Web based Configuration (HTTP) • Remote Management • Telnet Management • TR069 • TR143	• TR181 • TR098 • Web Based Firmware Upgrade • CWMP • Diagnostic Tools

Physical

Package Contents	• Wi-Fi Router • Power Adapter	• RJ45 Ethernet Cable • Quick Installation Guide

Other

System Requirements	• Wi-Fi Router • Power Adapter	• RJ45 Ethernet Cable • Quick Installation Guide
Certifications	• CE, FCC, RCM	
Environment	• Operating Temperature: 0℃ to 40℃ • Storage Temperature: -40℃~70℃	• Operating Humidity: 10%~90% non-condensing • Storage Humidity: 5%~90% non-condensing

[1] Maximum wireless signal rate derived from IEEE Standard 802.11specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, may lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

D-Link®