



WIRELESS N 150 ADSL ROUTER

HIGH-SPEED ADSL2/2+

Latest ADSL2/2+ standards provide Internet transmission of up to 24 Mbps downstream, 1 Mbps upstream

ALL-IN-ONE SOLUTION

Built-in ADSL interface, high-speed wireless LAN, 4-port Ethernet switch, QoS, and firewall protection, all in one single device

TOTAL COMPATIBILITY

Works with all major Internet service providers, supports UPnP, easily installable by home and office users



ULTIMATE INTERNET CONNECTION

The GO-DSL-N150 Wireless N 150 ADSL router is an affordable high-performance ADSL router for homes and small offices. This router features integrated ADSL2/2+ supporting download speeds of up to 24 Mbps, a high-speed wireless interface, firewall protection, Quality of Service (QoS), and a 4-port switch, all the essentials that a home or small office needs to establish a secure and high-speed remote link to the outside world.

HIGH-SPEED WIRED & WIRELESS LAN CONNECTION

The GO-DSL-N150 router provides an integrated WLAN interface that supports high wireless speeds and interoperability with 802.11g/b wireless devices on the 2.4 GHz frequency band. It also provides four 10/100 Mbps Ethernet switch ports to connect computers. These built-in functions save you the cost and trouble of installing a separate wireless access point and an Ethernet switch.

FIREWALL PROTECTION & QOS

Security features prevent unauthorized access to your home or office network from Internet intruders. The router provides firewall security using Stateful Packet Inspection (SPI) and Denial of Service (DoS) attack protection. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through. Router access control is provided with packet filtering based on port and source/destination MAC/IP addresses. For Quality of Service (QoS), the router supports multiple priority queues to enable a group of home or office users to experience the benefit of a smooth network connection of inbound and outbound data without worrying about traffic congestion. This QoS support allows users to enjoy high-speed ADSL transmission for applications such as VoIP, streaming multimedia, and online games over the Internet.

WHAT THIS PRODUCT DOES

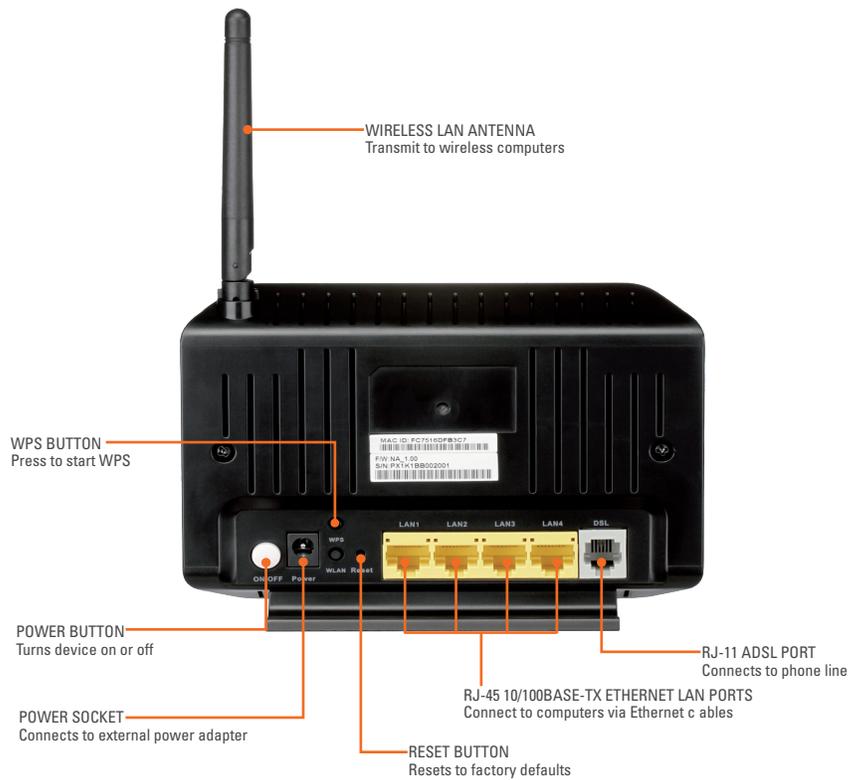
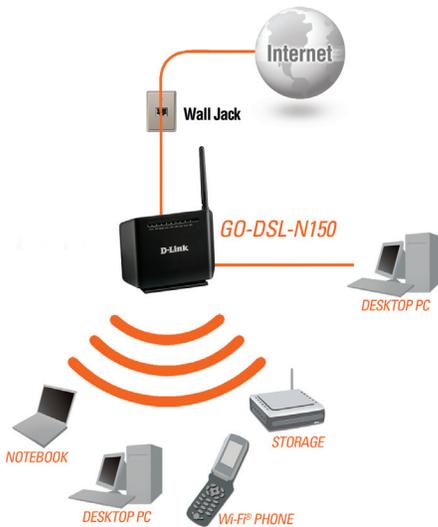
This GO-DSL-N150 Wireless N 150 ADSL router connects to the Internet using an integrated high-speed ADSL2/2+ interface. Multiple computers at home or the office can share its high-speed Internet connection. The router provides firewall protection and QoS for secure and smooth online gaming, voice communication, and downloading of photos, files, music, and video over the Internet. Built-in WLAN provides high-speed access for wireless users, while four Ethernet ports provide connection to computers through Ethernet cables.

ALL-IN-ONE SOLUTION

The D-Link GO-DSL-N150 Wireless N 150 ADSL router includes everything you need to set up a secure, high-speed Internet connection.

- Integrated WLAN interface provides speeds up to four times faster than 802.11g
- Four 10/100 Mbps Ethernet switch ports
- QoS and firewall protection

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

ADSL COMPLIANT

- Full ADSL2+/2/1 standards
- Annex A, I, J, L & M
- ANSI T1.413 Issue 2
- ITU G.992.1 (G.dmt)
- ITU G.992.2 (G.lite)
- ITU G.992.3 ADSL2 (G.dmt.bis)+A196
- ITU G.992.4 (G.lite.bis)
- ITU G.992.5 (G.dmt.bisplus)
- ITU G.994.1 (G.hs)
- ITU G.995.1
- ITU G.996.1
- ITU G.997.1
- ITU-T K.2.1
- Support Multimode
- Support Fast path and Interleave path
- Echo Cancellation
- Trellis Coding
- Bit Swapping
- Network Timing Reference
- Dying Gasp
- Downstream 4 kbps granularity, upstream 32 kbps granularity
- 1-bit constellation
- Bit loading on pilot tone
- CPE determining pilot tone
- Dual latency independently in each direction

- Extend bit swapping
- Initialization time < 60 sec Masked mode
- Multiple bearers

ATM SUPPORT

- MultiProtocol over AAL5 (RFC 1483/2684)
- PPPoA (RFC2364)
- PPPoE (RFC2516)
- VC and LLC Multiplexing
- Support 8 PVCs
- Traffic Shaping (ATM QoS) UBR, CBR, VBR-rt, VBR-nrt
- OAM F4/F5 loop-back, AIS, and RDI OAM cells
- UNI 3.1/4.0 Permanent Virtual Circuits
- MAC table capacity 256*8 entry
- GFC field
- VPI range 0-255
- VCI range 1-65535
- Keeping of reserved values
- Creating of PTI field
- Creating of CLP field
- Calculating of HEC field
- Means of VPI/VCI use
- Operational data rate - Upstream
- Operational data rate - Downstream
- PVC statistics
- Precise Peak Cell Rate traffic shaping on a per-VCC basis

NETWORK SERVICES

- IPv4
- DHCP Server/Relay
- DHCP Client (WAN Port)
- DNS Proxy
- PPPoE
- RFC 2684 Bridging/Routing
- NAT/PAT
- RIP V1/V2
- Static Routing
- ALG
 - MSN Messenger
 - PPTP
 - L2TP
 - FTP
 - RTSP (RealTime Streaming Protocol)
 - SIP v1/v2
 - IPSEC
- DMZ
- Virtual Server (Port forwarding)
- SNTP
- PPPoE passthrough (Bridge Interface)
- uPnP IGD 1.0
- QoS
 - IPP/ToS
 - DSCP QoS in 4-priority queues
 - Application QoS in 4-priority queues
 - Strict priority
 - VLAN QoS in 4-priority queues
 - QoS Remarking based on IPP/ToS, DSCP and 802.1p
 - TOS transparency through NAT
 - Mapping to Queue according to DSCP bits and physical port
 - 802.1Q
- IGMP Proxy v1/v2
- IGMP Snooping v1/v2/v3
- Port binding (LAN/WAN/USB/WLAN)
- IP Alias
- VPN (IPSec, PPTP, L2TP) pass-through
- 802.1D MAC Bridge
- IPoA
- Ethernet/ADSL/LAN statistics

NAT

- NAT and NATP
- NAT 1024 sessions capacity

UNIVERSAL PLUG AND PLAY

- UPnP based auto-configuration
- UPnP based port forwarding
- Internet Gateway Device

SECURITY

- NAT
- Prevent port scanning & illegal packet attack
- DoS Attack protection

- SYN Flooding
- Ping of Death
- Teardrop
- LAND attack
- Management Access Control for LAN/WAN sides
- IP Spoofing
- IP with zero length
- Smurf Attack
- TCP Null Scan
- Stateful Packet Inspection(SPI)
- IP filtering
- MAC filtering
- URL filter

WLAN

- 802.11 g/b with Wireless N properties
- WPS
- Multiple SSIDs
- Rate adaptation automatically
- Power saving
- Max channel number
- Auto channel selection
- WMM support
- 64-bit & 128-bit WEP
- WPA-PSK & WPA2-PSK
- MAC address filtering

DEVICE MANAGEMENT

- Web Configuration
- Telnet Management
- F/W upgrade
- Web Page/X-Modem/FTP/TFTP Firmware upgrade
- Diagnostic Tool for ADSL and IP Ping
- Two user accounts supported
- Setup Wizard

DIMENSIONS (L x W x H)

- 148 x 45 x 112 mm (5.83 x 1.77 x 4.41 inches)

WEIGHT

- 450 g (0.99 pounds)

OPERATING TEMPERATURE

- 0 to 40 °C (32 to 104 °F)

STORAGE TEMPERATURE

- -20 to 70 °C (-4 to 158 °F)

OPERATING HUMIDITY

- 0% to 90%

CERTIFICATION

- CE



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