

11 YEAR
WARRANTY*



Includes an ADSL2+ Modem 802.11n Wireless Router & an 802.11n 2.0 USB Adapter



ADSL2+ MODEM ROUTER WIRELESS N STARTER KIT

HIGH-SPEED ADSL2+ INTERNET CONNECTION

Latest ADSL2+ standard provides Internet transmission of up to 24Mbps downstream, 1Mbps upstream



TOTAL SECURITY & QoS

Firewall protection from Internet attacks, user access control, WPA/WPA2 wireless security and priority queues for smooth VoIP traffic/streaming multimedia



TOTAL WIRELESS PERFORMANCE

Embedded latest draft 802.11n technology for high-speed wireless connection, complete compatibility with 802.11b/g wireless devices



ULTIMATE INTERNET CONNECTION

The D-Link ADSL2+ Modem Router Wireless N Starter Kit includes an ADSL2+ Modem draft 802.11n Wireless Router and a draft 802.11n Wireless USB 2.0 Adapter. This kit delivers ADSL download speed of up to 24Mbps and wireless network transfer rate of up to 270Mbps for very fast Internet and wireless connection that a home or small office needs to establish a secure, fast remote link to the outside world.

ULTIMATE WIRELESS CONNECTION

The D-Link ADSL2+ Modem Router Wireless N Starter Kit provides wireless speeds that are many times faster than 802.11g. Maximize wireless performance and stay connected from virtually anywhere at home and in the office. This wireless LAN supports WPA/WPA2 and WEP for flexible user access security and data encryption methods.

FIREWALL PROTECTION & QoS

Security features prevents unauthorized access to the home and office network, be it from the wireless devices or from the Internet. The D-Link ADSL2+ Modem Wireless Router provides firewall security, such as Stateful Packet Inspection (SPI) and hacker attack logging. SPI inspects the contents of incoming packets before they are allowed in, while hacker logging helps to protect your network against Denial of Service (DoS) attacks. For Quality of Service (QoS), the router supports priority queues to enable a group of home or office users to experience the benefit of smooth network connection of inbound and outbound data without concern of traffic congestion.

COMPATIBILITY ASSURANCE

The D-Link ADSL2+ Modem Router Wireless N Starter Kit is backward compatible with existing 802.11b and 802.11g wireless equipment, ensuring compatibility with a wide range of wireless devices. In addition, its router includes four Ethernet ports ready for you to connect Ethernet-enabled PC, print server and other devices.

WHAT THIS PRODUCT DOES

Share your broadband Internet connection with multiple computers in your house by simply connecting the Wireless ADSL2+ Modem Router to your phone line and plugging in the wireless USB 2.0 Adapter to your laptop or desktop PC. Once connected, you can create a high-performance wireless network to share Internet access, documents, photos, video, music and streaming media. Four LAN ports on the Wireless ADSL2+ Modem Router let four additional computers and Ethernet devices hook up to the Internet through the network cables.

ADVANCED WIRELESS FUNCTIONS

The D-Link Wireless N Starter Kit includes everything you need to get a wireless network up and running.

- + Includes 802.11n draft Wireless ADSL2+ Modem Router and 802.11n Wireless USB 2.0 Adapter for notebook/desktop PC
- + Share your wireless Internet connection
- + ADSL2+ standard, up to 24Mbps downstream, 1Mbps upstream
- + 802.11n (draft), 802.11g and 802.11b standards
- + Wireless data rate of up to 270Mbps
- + Secure Wireless Encryption Using WPA, WPA2 or WEP
- + Built-in NAT and SPI Firewall
- + Integrated 4-port 10/100Mbps switch
- + Supports UPnP, DDNS, 802.11e WLAN Quality of Service (QoS)



TECHNICAL SPECIFICATIONS

MINIMUM SYSTEM REQUIREMENTS

- + ADSL Internet service
- + Computer with:
 - 200MHz Processor
 - 64MB Memory
 - CD-ROM Drive
 - Ethernet Adapter with TCP/IP Protocol Installed
 - Windows XP/2000/4
 - Internet Explorer v6 or later, FireFox v1.5
 - 20MB Hard Disk Space
 - Available USB Port
- + D-Link Click'n Connect Utility
 - Computer with Windows 2000/XP

STANDARDS

- + ADSL standards: Multi-mode, ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex A, ITU G.992.2 (G.lite) Annex A, ITU G.994.1 (G.hs)
- + ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex A/L/M, ITU G.992.4 (G.lite.bis) Annex A
- + ADSL2+ standards: ITU G.992.5 Annex A/L/M
- + IEEE 802.11n (draft) + IEEE 802.11g
- + IEEE 802.11b + IEEE 802.3
- + IEEE 802.3u + USB 2.0

DEVICE INTERFACES

- DSL-2740B:
 - + 1 RJ-11 ADSL port
 - + 4 10/100BASE-TX Ethernet LAN ports
- + Draft 802.11n wireless LAN
- + Factory default reset button
- DWA-140:
 - + Draft 802.11n wireless LAN
 - + USB 2.0 port

ADSL DATA RATES

- + G.dmt: 8Mbps downstream, 832Kbps upstream
- + G.lite: 1.5Mbps downstream, 512Kbps upstream
- + ADSL2: 12Mbps downstream, 1Mbps upstream
- + ADSL2+: 24Mbps downstream, 1Mbps upstream

ATM & PPP PROTOCOLS

- + ATM Forum UNI3.1/4.0 PVC (up to 16PVCs)
- + ATM Adaptation Layer Type 5 (AAL5)
- + ATM QoS (Traffic Shaping)
- + Bridged or routed Ethernet encapsulation
- + VC and LLC based multiplexing
- + PPP over Ethernet (PPPoE)
- + PPP over ATM (RFC 2364)
- + ITU-T 1.610 OAM F4/F5

WIRELESS DATA RATES¹

- + 802.11b: 1/2/5.5/11Mbps
- + 802.11g: 6/9/12/18/24/36/48/54Mbps
- + 802.11n: 30/60/90/120/180/240/270Mbps

WIRELESS FREQUENCY RANGE

- + 2412 to 2462MHz (North America)
- + 2412 to 2472MHz (General Europe)

¹ Maximum wireless signal rate based on IEEE 802.11g standard and 802.11n draft specifications. 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 and adversely affect the range.
² Typical transmit power; transmit power setting varies according to countries.

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WIRELESS EMISSION SCHEMES

- + DSSS, OFDM

WIRELESS DATA MODULATION SCHEMES

- + DBPSK, QPSK, CCK and OFDM (BPSK/QPSK/16-QAM/64-QAM)

Maximum WIRELESS TRANSMIT POWER [EIRP]²

- + DSL-2740B: 19dBm
- + DWA-140: 19.7dBm

ANTENNAS

- + DSL-2740B: 3 detachable dipole antennas with reverse SMA plugs
- + DWA-140: integrated internal antenna

INTERNET/FIREWALL PROTECTION

- + Built-in NAT firewall
- + Stateful Packet Inspection (SPI)
- + DoS attacks prevention
- + Packet filtering (IP/ICMP/TCP/UDP)
- + Intrusion Detection System (IDS)
- + DMZ
- + URL filtering/domain blocking/scheduling parental control

OTHER SECURITY

- + 64/128-bit WEP data encryption (wireless LAN)
- + Wi-Fi Protected Access (WPA, WPA2) (wireless LAN)
- + Multiple SSID (wireless LAN)
- + MAC address-based access control (wireless LAN)
- + MAC/IP address filtering user access control (wired LAN)
- + IGMP Snooping with 32 Multicast groups
- + PVC/VLAN port mapping (bridge mode)

ROUTER FEATURES

- + NAT (maximum 1024 NAT sessions)
- + DHCP server/client/relay
- + Static Routing, RIP v.1, v.2
- + Universal Plug and Play (UPnP) Compliant
- + Dynamic Domain Name System (DDNS)
- + Virtual Server
- + SNTP, DNS proxy and IGMP proxy

VIRTUAL PRIVATE NETWORK (VPN)

- + Multiple PPTP/IPSec/L2TP pass-through

QUALITY OF SERVICE

- + LAN to WAN traffic prioritization/Classification
- + 802.1p (0 to 7) traffic prioritization
- + Traffic Shaping
- + 802.11e Wireless QoS (WMM/WME)

DEVICE CONFIGURATION/MANAGEMENT^{*}

- + Installation Wizard
- + Web-based GUI for configuration, firmware upgrade

- + Code lock to prevent improper firmware upgrade
- + Telnet with SSH support
- + Syslog monitoring
- + SNMP v1, v2c support with built-in MIB-II (RFC 1213)
- + TR-069 Client
 - * DSL-2740B only

Power Input

- + DSL-2740B: through 12VAC 1.5A external power adapter
- + DWA-140: USB bus power, no external power adapter required

POWER CONSUMPTION

- + DSL-2740B: Transmission: 750mA (max), Reception: 700mA (max)
- + DWA-140: Transmission: 460mA, Reception: 240mA

DIAGNOSTIC LEDs

- DSL-2740B:
 - + Power + LAN (1 to 4)
 - + WLAN + DSL
 - + Internet
- DWA-140:
 - + Activity

DIMENSIONS

- + DSL-2740B: 220 x 150 x 32 mm (8.66 x 5.90 x 1.26 inches)
- + DWA-140: 87 x 128 x 12 mm (3.43 x 5.04 x 0.47 inches)

WEIGHT

- + DSL-2740B: 474 grams (1.05 lb)
- + DWA-140: 18.9 grams (0.04 lb)

OPERATING TEMPERATURE

- 0° to 40° C (32° to 104° F)

STORAGE TEMPERATURE

- + DSL-2740B: -20° to 70° C (-4° to 158° F)
- + DWA-140: -20° to 65° C (-4° to 149° F)

OPERATING HUMIDITY

- 10% to 90% non-condensing

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- 10% to 90% non-condensing

OPERATING HUMIDITY

- 10% to 90% non-condensing

CERTIFICATION

- + FCC Class B * + CE
- + C-Tick * + IC *

* DWA-140 only



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