



DI-524

## 802.11g Wireless Broadband Router

### With Built-in 4-Port Switch

The D-Link AirPlusG DI-524 wireless router is the ideal networking solution for homes and small offices. This router combines the high-speed 802.11g wireless technology and robust firewall security features in providing broadband Internet connection to a small workgroup. It's an ideal device for those creating their first wireless networks, as well as for more advanced users looking for advanced network protection and content filtering.

#### High-Speed Wireless Speed

The DI-524 router offers a maximum wireless signal rate of up to 54Mbps through its wireless channels, allowing streaming videos and other high bandwidth applications such as on-line gaming and video clips to operate without the hassle of Ethernet cables. The ability to handle high bandwidth applications also makes streaming real time programs more enjoyable and more efficient.

#### Advanced Built-in Firewall

The DI-524's built-in firewall makes it more difficult for hackers to penetrate your network. Firewall features include functions to allow or disallow certain ports to be open for certain applications. Time scheduling can be applied to the firewall rules to have specific ports open at certain times and to be closed at other times. Features like content filtering, MAC filtering, URL blocking, and domain blocking are useful tools to prevent unwanted intruders from connecting to your network or browsing restricted sites.

#### Easy Setup and Secure Data Transfer

A simple, intelligent web-based setup wizard is provided with the DI-524 to allow users to quickly set up the router and connect computers to share a high-speed Internet connection, files, resources, games or just to communicate. Multiple wireless clients can also securely connect to the network using 64-bit or 128-bit WEP data encryption.

#### Integrated Ethernet Switch

An integrated 4-port switch allows ready connection of up to 4 computers. This saves you the cost of purchasing and installing a separate switch for network computer connections.

#### Key Features

- Remote router with 802.11g wireless LAN interface
- Cable/DSL modem Internet sharing
- Wireless LAN speed up to 54Mbps
- 10/100BASE-TX port for DSL/cable modem connection
- WAN port supports PPPoE for Internet dial-up mode
- 4 built-in 10/100BASE-TX switch ports with auto MDI/MDIX support
- Firewall features include NAT with VPN pass-through, MAC/IP/URL filtering, domain blocking and scheduling
- Web-based configuration with setup wizard for quick installation

**Standards**

- IEEE 802.11g
- IEEE 802.11b
- IEEE 802.3
- IEEE 802.3u

**Wireless Modulation Technology**

Orthogonal Frequency Division Multiplexing (OFDM)

**Wireless Frequency Range**

2.4GHz to 2.462GHz

**Wireless Signal Rates**

(With automatic fallback)

54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 11Mbps, 9Mbps, 6Mbps, 5, 5Mbps, 2Mbps, 1Mbps

**Wireless Receiver Sensitivity**

- 54Mbps OFDM, 10% PER, -68dBm
- 48Mbps OFDM, 10% PER, -68dBm
- 36Mbps OFDM, 10% PER, -75dBm
- 24Mbps OFDM, 10% PER, -79dBm
- 18Mbps OFDM, 10% PER, -82dBm
- 12Mbps OFDM, 10% PER, -84dBm
- 11Mbps CCK, 8% PER, -82dBm
- 9Mbps OFDM, 10% PER, -87dBm
- 6Mbps OFDM, 10% PER, -88dBm
- 5.5Mbps CCK, 8% PER, -85dBm
- 2Mbps QPSK, 8% PER, -86dBm
- 1Mbps BPSK, 8% PER, -89dBm

**Wireless Transmit Output Power**

15dBm +/- 2dBm

**External Antenna Type**

Single detachable reverse SMA

**Wireless Operating Range**

- Indoors: up to 100 m
- Outdoors: up to 300 m

\* Environmental factors may adversely affect operating range

**Security**

- 802.1x user authentication support
- 64-, 128-WEP wireless data encryption
- WPA Wi-Fi Protected Access (WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)

**Firewall Features**

- NAT (Network Address Translation) with VPN pass-through
- MAC address filtering
- IP address filtering
- URL filtering
- Domain blocking
- Scheduling

**VPN Pass-Through/Multi-Sessions**

- PPTP
- L2TP
- IPSec

**Device Management**

- Web-based Internet Explorer v6 or Netscape Navigator v6 or other Java-enabled browsers
- DHCP Server and Client

**Diagnostic LEDs**

- Power
- Status
- WAN
- LAN (10/100Mbps)
- WLAN

**Physical & Environmental****Power Input**

Through external power adapter

**Dimensions**

273 (L) x 205 (W) x 66 (H) mm

**Weight**

1.32 kg

**Operating Temperature**

0° to 40°C

**Humidity**

90% maximum (non-condensing)

**Safety and Emissions**

- FCC
- CE
- C-Tick

**Ordering Information**

DI-524 802.11g Wireless Router With Built-in 4-Port Switch

# D-Link®

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