Wireless G Router

For Home & SOHO

- **Built-in 801.11g Wireless LAN With Up to 54Mbps Wireless Speed**
- **Quality of Service for Connected Computers**
- **Integrated 4-Port Switch & USB Printer Sharing**
- **Advanced Scheduling/User Level Control & Parental Control**

FEATURES

Internet Access Sharing
- Built-in DHCP Server/NAT for Automatic Users IP Assignment
- 10/100BASE-TX Port for DSL/Cable Modem Connection
- WAN Port Supports PPPoE for Internet Dial-Up Mode

Wired/Wireless User Connection
- Built-in 802.11g WLAN for Wireless Users Connection at Up to 54Mbps
- Integrated 4-Port Switch for 4 Computer Connections on Ethernet

Security
- NAT Firewall
- VPN Pass-Through for Remote User Access
- Parental Control: MAC/IP/URL Filtering, Domain Blocking & Scheduling
- Wireless Security: 64/128-Bit WEP Data Encryption, WPA, WPA2 Personal/Enterprise

Printer Sharing
- USB Port for Printer Connection
- Share Printers in Windows, Mac, Linux Environments

Quality of Service
- Traffic Prioritization With 4 Priority Queues
- Multicast Stream

Easy Setup/Flexible Management
- Dynamic Domain Name System (DDNS)
- Universal Plug and Play (UPnP) Compliant
- Quick Installation Wizard
- Web-Based GUI for Local/Remote Management
- Network Time Protocol Support

AirPlus G

G 54

The D-Link AirPlusG DI-524UP wireless G router is an advanced but affordable networking solution for home and the small office. This router combines the high-speed 802.11g wireless technology and robust firewall security features in providing broadband Internet connection to a small workgroup. With integrated WLAN, QoS, firewall, printer sharing and 4-port Ethernet switch, it's an ideal device for those creating their first remote connections, as well as for more advanced users looking for additional features.

High-Speed Wireless Speed. The DI-524UP 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.

QoS Internet Connection for a Group of Users. This router supports priority queues to enable a group of users to experience the benefit of smooth network connection of inbound and outbound data without concern of traffic congestion. This QoS support allows users to enjoy high broadband transmission for applications such as VoIP, multimedia and on-line games over the Internet.

Network Security. Access control is provided with packet filtering based on MAC and IP addresses. With Virtual Server Mapping, the router can be set to allow separate FTP, web and multiple games to share the same public IP address while still protecting your servers and workstations from hackers. Parental control allows you to filter out undesired URL web sites, block domains and control the time of day of the use of Internet through scheduling.

Printer Sharing and Built-in Ethernet Switch. A USB printer port allows you to share out a USB printer with other users. The router supports printing in TCP/IP environments. In addition, 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.

Easy Setup. A simple, intelligent web-based setup wizard is provided with this router to allows users to quickly set up the router and connect computers to share a high-speed Internet connection, files, resources, games or just to communicate.

DI-524UP

Product Specifications

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

Device Interfaces
- 10/100BASE-TX Ethernet WAN port supporting auto MDI/MDIX
- 4 10/100BASE-TX Ethernet LAN ports supporting auto MDI/MDIX
- USB 1.1 printer port
- 802.11g wireless LAN

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

Antenna
2dBi single detachable reverse SMA

Wireless Operating Range
- Indoors: up to 100 m (328 ft.)
- Outdoors: up to 400 m (1312 ft.)

* Environmental factors may adversely affect operating range

Wireless Security
- 64/128-bit WEP wireless data encryption
- WPA Wi-Fi Protected Access (WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)
- WPA2 Personal/WPA2 Enterprise

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

Quality of Service
- Maximum number of priority queues: 4
- Multicast stream (Internet Group Management Protocol)

Printer Sharing
- USB 1.1 Type A port
- Printing protocols: TCP/IP, Line Printer Daemon Protocol
- Supported platforms: Windows 95, 98, ME, 2000, XP, NT, Unix LPR, Mac OS

Configuration & Management
- Quick Installation Wizard
- Web-based using Internet Explorer v.6 or Netscape Navigator v.7 or other Java-enable browsers
- Dynamic Domain Name System (DDNS)
- Universal Plug and Play (UPnP) Compliant
- Network Time Protocol (NTP) Support

Firmware Upgrade
HTTP (through web browser)

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

Physical & Environmental

Power Input
- DC 5V 2.0A
- Through external power adapter

Dimensions
142 (L) x 106 (W) x 29 (H) mm

ACN 052 202 838

Weight
220g

Operating Temperature
0° to 55°C ($32^\circ$to 131°F)

Humidity
95% maximum (non-condensing)

Safety and Emissions
- FCC Class B
- CE
- C-Tick

D-Link Worldwide Offices

U.S.A.	TEL: 1-800-326-1688	FAX: 1-866-743-4905	**Luxemburg**	TEL: 32-(0)2-517-7111	FAX: 32-(0)2-517-6500
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223	**Poland**	TEL: 48-(0)-22-583-92-75	FAX: 48-(0)-22-583-92-76
Europe (U. K.)	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511	**Hungary**	TEL: 36-(0)-1-461-30-00	FAX: 36-(0)-1-461-30-09
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300	**Singapore**	TEL: 65-6774-6233	FAX: 65-6774-6322
France	TEL: 33-1-30238688	FAX: 33-1-30238689	**Australia**	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331	**India**	TEL: 91-022-26526696	FAX: 91-022-26528914
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500	**Middle East (Dubai)**	TEL: 971-4-3916480	FAX: 971-4-3908881
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723	**Turkey**	TEL: 90-212-289-56-59	FAX: 90-212-289-76-06
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901	**Egypt**	TEL: 202-414-4295	FAX: 202-415-6704
Denmark	TEL: 45-43-969040	FAX: 45-43-424347	**Israel**	TEL: 972-9-9715700	FAX: 972-9-9715601
Norway	TEL: 47-99-300-100	FAX: 47-22-309580	**LatinAmerica**	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Finland	TEL: 358-9-2707 5080	FAX: 358-9-2707-5081	**Brazil**	TEL: 55-11-218-59300	FAX: 55-11-218-59322
Spain	TEL: 34-93-4090770	FAX: 34-93-4910795	**South Africa**	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Portugal	TEL: 351-21-8688493		**Russia**	TEL: 7-095-744-0099	FAX: 7-095-744-0099 #350
Czech Republic	TEL: 420-(603)-276-589		**China**	TEL: 86-10-58635800	FAX: 86-10-58635799
Switzerland	TEL: 41-(0)-1-832-11-00	FAX: 41(0)-1-832-11-01	**Taiwan**	TEL: 886-2-6600-0123	FAX: 886-2-6600-8168
Greece	TEL: 30-210-9914 512	FAX: 30-210-9916902	**Headquarters**	TEL: 886-2-6600-0123	FAX: 886-2-6600-9898

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