

## 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 USB Print Server/4-Port Switch**
- **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

##### Built-in Print Server

- 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 (D-Link Click'n Connect)
- Web-Based GUI for Local/Remote Management
- Network Time Protocol Support

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 print server 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 port and source/destination MAC/IP addresses. With Virtual Server Mapping, the router can be set to allow separate FTP, Web and multiple games to share the same Internet-visible IP address while still protecting your servers and workstations from hackers. You can configure any of the built-in LAN ports of the router to function as a DMZ port. 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. VPN pass-through is provided to let mobile users access files and mail from offices to work at home without having to use complex VPN client software.

*Integrated Print Server and Ethernet Switch.* A USB printer port and integrated print server function allow you to share out a USB printer. Users can send out web pages and files to the printer for printing. The print server supports TCP/IP, Line Printer Daemon Protocol, Microsoft Windows, Unix and Mac OS. 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. The router is designed for easy and robust connectivity among heterogeneous standards-based network devices. Computers can communicate directly with this router for automatic opening and closing of UDP/TCP ports to take full advantage of security provided without sacrificing functionality of on-line applications.

**AirPlus G**



**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

- 802.1x user authentication support
- 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)

### Print Server

- 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

### RFC Support

- RFC 0768 User Datagram Protocol
- RFC 0791 Internet Protocol
- RFC 0792 Internet Control Message Protocol
- RFC 0793 Transmission Control Protocol
- RFC 0821 Simple Mail Transfer Protocol
- RFC 0826 Ethernet Address Resolution Protocol
- RFC 1112 Internet Group Management Protocol v.3
- RFC 1157 Simple Network Management Protocol
- RFC 1332 PPP Internet Control Protocol
- RFC 1514 Dynamic Host Configuration Protocol
- RFC 1631 IP Network Address Translator
- RFC 1661 Point-to-Point Protocol (PPP)
- RFC 1945 Hypertext Transfer Protocol HTTP/1.1 (subset)
- RFC 1994 PPP Challenge Handshake Authentication Protocol (CHAP)
- RFC 2132 DHCP Options and BOOTP vendor Extensions
- RFC 2516 PPP Over Ethernet (PPPoE)

### Configuration & Management

- Quick Installation Wizard (D-Link Click'n Connect)
- Web-based using Internet Explorer v.6 or Netscape Navigator v.7 or other Java-enabled 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



### Weight

220g

### Operating Temperature

0° to 55°C (32° to 131°F)

### Humidity

95% maximum (non-condensing)

### Safety and Emissions

- FCC Class B
- CE
- C-Tick

## D-Link Worldwide Offices

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### Portugal

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### Switzerland

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### Singapore

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