D-Link®
Building Networks for People

Ethernet to Wireless LAN Client Adapter

DWL-G810

WiFi CERTIFIED®

- Fast, Easy wireless connection for Ethernet devices

- Up to 108Mbps Turbo mode data transfer rate*

- 15 times faster throughput than 802.11b

- Choice of Data Encryption

- No Software Installation Required

Wireless Gaming Adapter

G
802.11g
108Mbps

HIGH Performance

FREE TECH SUPPORT

The AirPlusXtremeG™ DWL-G810 is a low cost, high-speed Ethernet-to-Wireless LAN Client Adapter that converts virtually any Ethernet device such as set-top box, game console, printer, laptop and desktop computer to a wireless network device.

The device acts as a client bridge between Ethernet and a wireless LAN, providing seamless integration between the two network types.

The DWL-G810 provides speeds of up to 108Mbps Super G Turbo mode when used with other D-Link AirPlusXtremeG™ devices, making this an ideal solution for bandwidth intensive WLAN applications, such as gaming. It is also fully compatible with 802.11b and standard 802.11g devices.

With the DWL-G810, you can share Ethernet enabled printers in the home or office without stringing cable through walls or ceilings. Gamers can join multiple-player video games with others on the Internet wirelessly, using a high-speed broadband connection.

With its Web-based configuration interface, more advanced settings can be applied in the DWL-G810, and if you decide to connect to another DWL-G810, the device requires no configuration at all.

You can use the convenient Setup Wizard for the easy installation of your DWL-G810. Whether you are using it in Ad-Hoc mode or Infrastructure mode.

The DWL-G810 provides several choices of security; choose between either 64-bit, 128-bit and 152-bit WEP (Wired Equivalent Privacy) and WPA (WiFi Protected Access) encryption, giving you an increased level of protection for sensitive data transmission and prevention of intruders from gaining access to your network connection.

This high-speed Ethernet-to-Wireless Bridge provides convenience and performance while expanding the number of devices and peripherals into your wireless network.

When operated with other Airplus XtremeG™ products.

Wireless Gaming Adapter

Technical Specs

Standards
- IEEE 802.11g wireless LAN
- IEEE 802.3/802.3u 10BASE-T/ 100BASE-TX Fast Ethernet

Network Transfer Rate/ Modulation Technique
- 802.11b:
  11Mbps, 5.5Mbps: CCK
  2Mbps: DQPSK
  1Mbps: DBPSK
- 802.11g:
  108Mbps Super G, 54Mbps, 48Mbps, 36Mbps, 24Mbps, 18Mbps, 12Mbps, 9Mbps, 6Mbps: OFDM (Orthogonal Frequency Division Multiplexing)

Adapter Type
- Fast Ethernet to 802.11g Wireless LAN

Device Port
- 10/100BASE-TX Ethernet port with auto MDI/MDIX

Media Access Control Protocol
- CSMA/CA with ACK

Network Architecture Types
- Ad-hoc mode
- Infrastructure mode

Operating Mode
- Wireless client

Frequency Range
- 2.4 to 2.4835 GHz

Operating Channels
- 1 to 11 channels (FCC)
- 1 to 13 channels (ETSI)

Antenna
- 2dBi Gain detachable external dipole antenna (reverse SM connector)

Operating Range *
- Indoor: up to 100 metres
- Outdoor: up to 400 metres

* Environmental factors may adversely affect range

Data Security
- WEP 64/128/152-bit data encryption (user-selectable)
- Wi-Fi™ Protected Access PSK with TKIP, MIC, IV Expansion, Shared Key Authentication

Transmitter Output Power
- 15dBm (32mW) +/- 2dB

Configuration/ Management
- Web-based (Internet Explorer Ver.6 or later, Netscape Navigator Ver.7 or later, or other Java enabled browsers)

Physical Specs

Diagnostic LEDs
- Power
- WLAN

DC Input
- 5V 2.0A (external power adapter)

Dimensions
- 8.8 x 8 x 3.1 cm

Weight
- 153 gms (device only)

Ordering Information

- DWL-G810 (Ethernet to Wireless LAN Adapter)

Environmental

Operating
- 0 to 55 deg C
- Up to 95% non-condensing

Storage
- -20 to 70 deg C
- Up to 95% non-condensing

Emission Certification
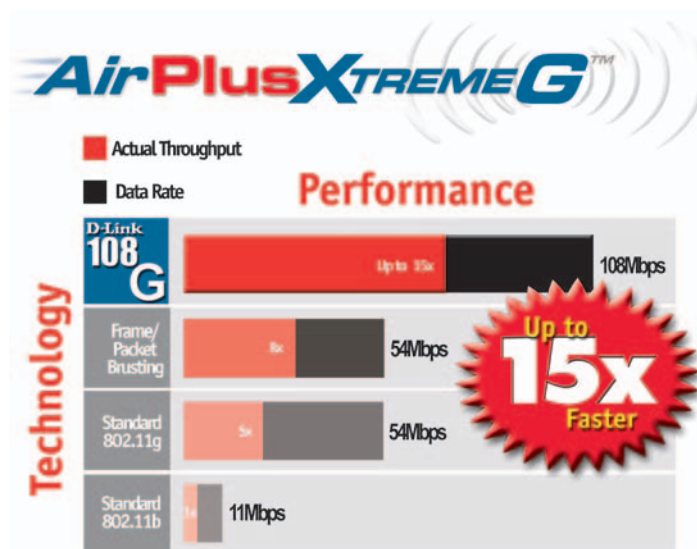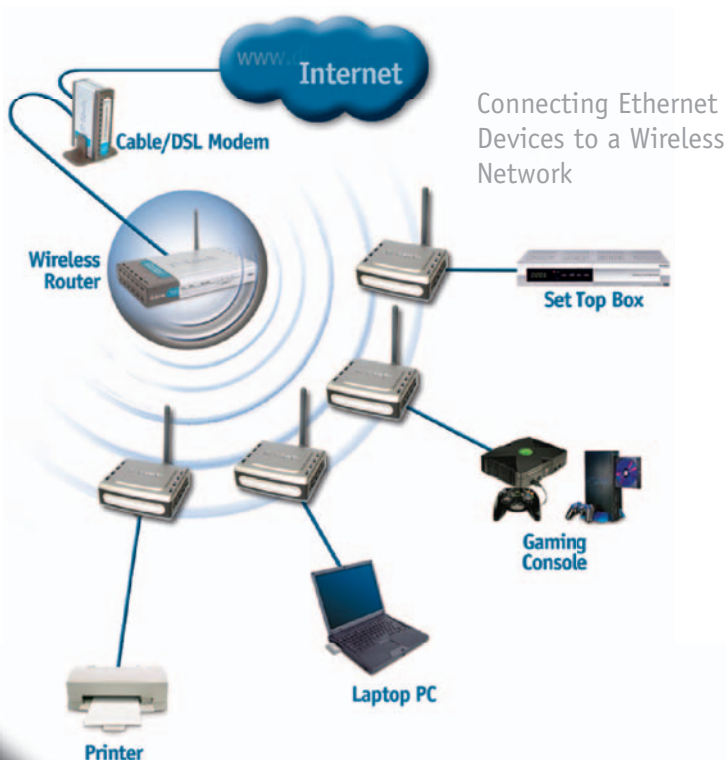- FCC Class B, CE Class B

Safety Certification
- UL

Package Content

DWL-G810 Ethernet to Wireless LAN Adapter
- Quick Installation Guide
- Installation CD
- CAT5 straight-through Cable
- 5V 2A Power Pack

Warranty Details

- 3 Years from date of purchase
  (return to D-Link Australia Office)

Connecting Ethernet Devices to a Wireless Network

Extensive performance and interoperability testing using standard based methods including NetIQ's Chariot software reveals a significant increase in performance. Information for 802.11b data transfer throughput gather from PC Magazine® Wireless Roundup, June 2003

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