D-Link®

AirPlusXtremeG™

Up to 15X Faster · 108 Mbps · Wi-Fi CERTIFIED® · b g

Total 802.11 Super G ATHEROS

The Man Room "Pick-O-The-Crop" March 2004

Chicago Tribune Recommended Gaming Solution March 2004

PSE2 PLAYSTATION EXTREME MAGAZINE Editor's Choice September 2004

G GAMESTAR Gamestar's Tech Check Recommended June 2004

—— DWL-G810

802.11g Ethernet to Wireless LAN Client Adapter

The AirPlusXtremeG™ *DWL-G810 is a 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 DWL-G810 acts as a client bridge between Ethernet and a wireless LAN, providing seamless integration between the two network types. With the DWL-G810, you can also 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.*

Up to 108Mbps Transmission Speed

The DWL-G810 provides speeds of up to 108Mbps Super G Turbo mode when used with other D-Link AirPlusXtremeG™ and other 802.11g products. This compares favorably with 802.11b devices that offer 11Mbps transmission. The DWL-G810 provides all the high speed using a single 2.4GHz wireless frequency, eliminating the complexity of dualband networking. This enhanced speed and adoption of 2.4GHz frequency, now available for public use in most countries, plus the mobility and convenience inherent in a wireless LAN, make this device an ideal solution for bandwidth intensive WLAN applications.

Plug and Play

Simply plug this compact device to an Ethernet interface, and your computer, print server, game console and other equipment will instantly become a wireless LAN device. No configuration is necessary. Your device can transparently operate on a D-LinkAirPlusXtremeG™, 802.11g or any 802.11b wireless network.

Easy Settings

With its Web-based configuration interface, more advanced settings can be applied in the DWL-G810. When connecting to another DWL-G810, this Ethernet to Wireless LAN Client Adapter 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, you can begin with the Setup Wizard.

Interoperable With Wireless LAN Equipment

DWL-G810 interoperates with all 802.11b and 802.11g wireless equipment. This Ethernet-to-Wireless LAN Client Adapter offers multiple non-overlapping channels to minimize interference from other wireless networks.

Security

The DWL-G810 provides choices of 64-bit, 128-bit and 152-bit WEP (Wired Equivalent Privacy) encryption, giving you an increased level of protection for sensitive data transmission and prevention of intruders from gaining access to your network connection. WPA is supported.

Cost-effective

The DWL-G810's low cost allows you to convert any Ethernet device or network adapter to a wireless device. In the ad-hoc mode, the DWL-G810 even lets your wired network device operate with other wireless devices without the need for any Access Point.

Key Features

- *Easy, fast wireless connection for Ethernet devices*
- *802.11g wireless LAN standard*
- *2.4GHz frequency band*
- *Up to 108Mbps Turbo mode data transfer rate**
- *Real throughput 15 times faster than 802.11b*

- *10/100Mbps Ethernet port with auto MDI/MDIX connection to network device*
- *WPA security, 64/128-bit WEP data encryption*
- *Ad-hoc and infrastructure modes*
- *Web-based configuration*

* When operates with other Airplus XtremeG products.

DWL-G810
Technical Specifications

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

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
Supports ad-hoc and infrastructure modes

Operating Mode
Wireless client

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)

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 SMA connector)

Operating Range *
- Indoor: up to 100 meters (328 feet)
- Outdoor: up to 400 meters (1,312 feet)

* Environmental factors may adversely affect range

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

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

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

Physical & Environmental
Diagnostic LEDs
- Power
- WLAN

DC Input
5V 2.0A

Power Supply
Through external power adapter

Dimensions
88 (W) x 80 (D) x 31 (H) mm

Weight
153 grams

Operating Temperature
0° to 55 °C

Storage Temperature
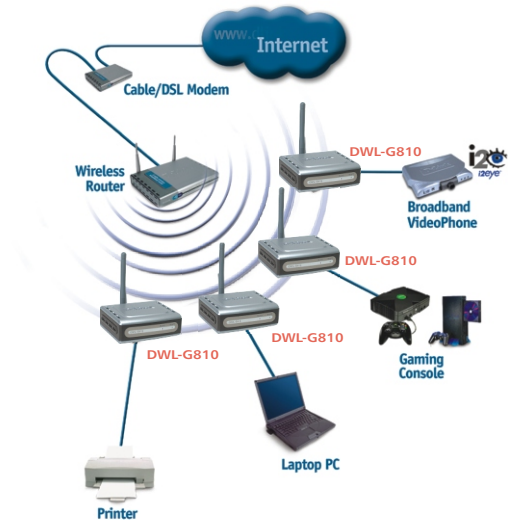-20° to 75 °C

Humidity
Up to 95% non-condensing

Emission Certification
- FCC Class B
- CE Class B

Safety Certification
UL

Connecting Ethernet Devices to a Wireless Network

Ordering Information

DWL-G810	802.11g Ethernet-to-Wireless LAN Client Adapter

Please specify your model number as follows:

DWL-G810/ANA	US standard AC power adapter, North America frequency
DWL-G810/ENA	EU standard AC power adapter, North America frequency
DWL-G810/BEU	UK standard AC power adapter, EU frequency
DWL-G810/EEU	EU standard AC power adapter, EU frequency
DWL-G810/NEU	Australia standard AC power adapter, EU frequency
DWL-G810/CN	For China
TDWL-G810	For Taiwan

	TEL	FAX
U.S.A	1-800-326-1688	1-866-743-4905
Canada	1-905-8295033	1-905-8295223
Europe (U. K.)	44-20-8731-5555	44-20-8731-5511
Germany	49-6196-77990	49-6196-7799300
France	33-1-30238688	33-1-30238689
Netherlands	31-10-282-1445	31-10-282-1331
Belgium	32(0)2-517-7111	32(0)2-517-6500
Italy	39-02-2900-0676	39-02-2900-1723
Sweden	46-(0)8564-61900	46-(0)8564-61901
Denmark	45-43-969040	45-43-424347
Norway	47-99-300-100	47-22-309580
Finland	358-9-2707 5080	358-9-2707-5081
Spain	34-93-4090770	34-93-4910795
Portugal	351-21-8688493	
Czech Republic	420-(603)-276-589	
Switzerland	41-(0)-1-832-11-00	41(0)-1-832-11-01
Greece	30-210-9914 512	30-210-9916902
Luxemburg	32-(0)2-517-7111	32-(0)2-517-6500
Poland	48-(0)-22-583-92-75	48-(0)-22-583-92-76
Hungary	36-(0)-1-461-30-00	36-(0)-1-461-30-09
Singapore	65-6774-6233	65-6774-6322
Australia	61-2-8899-1800	61-2-8899-1868
India	91-022-26526696	91-022-26528914
Middle East (Dubai)	971-4-3916480	971-4-3908881
Turkey	90-212-289-56-59	90-212-289-76-06
Egypt	202-414-4295	202-415-6704
Israel	972-9-9715700	972-9-9715601
LatinAmerica	56-2-232-3185	56-2-232-0923
Brazil	55-11-218-59300	55-11-218-59322
South Africa	27-12-665-2165	27-12-665-2186
Russia	7-095-744-0099	7-095-744-0099 #350
China	86-10-58635800	86-10-58635799
Taiwan	886-2-2910-2626	886-2-2910-1515
Headquarters	886-2-2916-1600	886-2-2914-6299

Rev. 03 (Apr. 2005)