

### AirPlusXtremeG™



Up to  
**15X**  
Faster

**108**  
Mbps

**WiFi**®  
CERTIFIED  
b g

Total 802.11g  
**Super G**  
ATHEROS

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

**Chicago Tribune**  
Recommended Gaming Solution  
March 2004

**PSE2**  
PREDATOR 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-Link AirPlusXtremeG™, 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

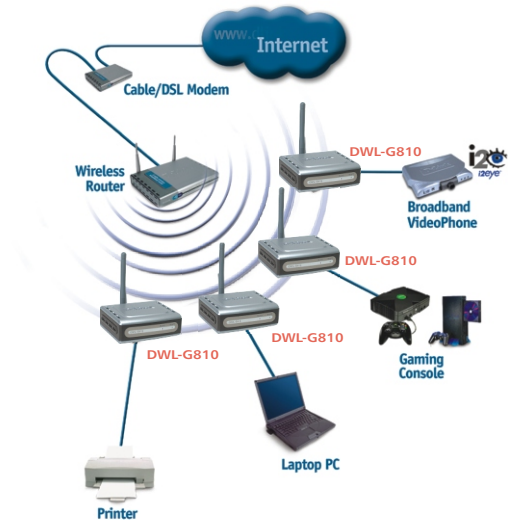
## 2.4GHz Wireless LAN

### 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:

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



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<b>Canada</b>	TEL: 1-905-8295033	FAX: 1-905-8295223
<b>Europe (U. K.)</b>	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
<b>Germany</b>	TEL: 49-6196-77990	FAX: 49-6196-7799300
<b>France</b>	TEL: 33-1-30238688	FAX: 33-1-30238689
<b>Netherlands</b>	TEL: 31-10-282-1445	FAX: 31-10-282-1331
<b>Belgium</b>	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
<b>Italy</b>	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
<b>Sweden</b>	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
<b>Denmark</b>	TEL: 45-43-969040	FAX: 45-43-424347
<b>Norway</b>	TEL: 47-99-300-100	FAX: 47-22-309580
<b>Finland</b>	TEL: 358-9-2707 5080	FAX: 358-9-2707-5081
<b>Spain</b>	TEL: 34-93-4090770	FAX: 34-93-4910795
<b>Portugal</b>	TEL: 351-21-8688493	
<b>Czech Republic</b>	TEL: 420-(603)-276-589	
<b>Switzerland</b>	TEL: 41-(0)-1-832-11-00	FAX: 41(0)-1-832-11-01
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<b>Hungary</b>	TEL: 36-(0)-1-461-30-00	FAX: 36-(0)-1-461-30-09
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<b>Middle East (Dubai)</b>	TEL: 971-4-3916480	FAX: 971-4-3908881
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<b>Russia</b>	TEL: 7-095-744-0099	FAX: 7-095-744-0099 #350
<b>China</b>	TEL: 86-10-58635800	FAX: 86-10-58635799
<b>Taiwan</b>	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
<b>Headquarters</b>	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299