

networking  
evolved



no strings attached...

DGL-3420

## Networking Evolved

Push the limits of basic networking technology and experience the evolution in networking. Wirelessly connect to the Internet, streamline network performance, and stay competitive in your online games with D-Link's new cutting-edge GamerLounge™ Wireless 108AG Gaming Adapter, powered by GameFuel™ System Technology.

## Empowering Your Game Console System with Wireless

- Introducing GameFuel™ System designed to provide convenient management options through a game console system
- Provides untethered and powerful super-speed dualband wireless connectivity
- Offers maximum flexibility for configuration and performance – via console or web-based management utility
- Also ideal for use with Ethernet-enabled printers and media set-top boxes
- Designed for the Gamers Network

## Leading Technology For Today and Tomorrow's Gamers Network

- GameFuel System platform allows gamers to configure network settings via their Xbox® game console
- Enhanced dualband wireless technology for optimal range and connectivity – up to 108Mbps<sup>1</sup> in either 802.11a or 802.11g band
- Engage in head-to-head gameplay or challenge others over the Internet in multiplayer mode
- Backward compatible with 802.11b when running in 802.11g mode

## No Strings Attached...

- One auto-sensing Fast Ethernet 10/100 LAN port to the game console
- 2dBi dualband antenna for outstanding wireless coverage
- Slim and compact design – fits naturally with existing gaming gear
- Fine-tuned web GUI for seamless device management

## Play Your Games, Protect Your Network

- WPA-PSK supported
- Also supports 64/128-bit Wired Equivalent Privacy (WEP)

### Package Contents

- DGL-3420 Wireless 108AG Gaming Adapter
- CAT5 Ethernet Cable
- Power Adapter (5V, 2.5A)
- CD-ROM with Manual
- Quick Installation Guide

### Minimum System Requirements

#### To Change Default Settings using PC

- > 200MHz Processor
- > 64MB Memory
- > CD-ROM Drive
- > Ethernet Adapter with TCP/IP Protocol Installed
- > Windows® XP/2000/Me or Mac® OS X v10.3/v10.2/v10.1
- > Internet Explorer v6 or Netscape® Navigator v7

### Standards

- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.3
- IEEE 802.3u

### Data Rate<sup>1</sup>

For 802.11a/g:

- 108, 54, 48, 36, 24, 18, 12, 9 and 6Mbps

For 802.11b:

- 11, 5.5, 2, and 1Mbps

### Device Management

- Web-Based – Internet Explorer v6 or later; Netscape Navigator v6 or later; or other Java-enabled browsers.

### Security

- 64-, 128-bit WEP
- WPA – Wi-Fi Protected Access (WPA – TKIP PSK)

### Wireless Frequency Range

- 2.4GHz to 2.4835GHz
- 5.15GHz to 5.35GHz and 5.725GHz to 5.825GHz

### Radio and Modulation Type

For 802.11a/g:

OFDM:

- BPSK @ 6 and 9Mbps
- QPSK @ 12 and 18Mbps
- 16QAM @ 24 and 36Mbps
- 64QAM @ 48, 54 and 108Mbps

DSSS:

- DBPSK @ 1Mbps
- DQPSK @ 2Mbps
- CCK @ 5.5 and 11Mbps

For 802.11b:

DSSS:

- DBPSK @ 1Mbps
- DQPSK @ 2Mbps
- CCK @ 5.5 and 11Mbps

### Receiver Sensitivity

For 802.11a:

- 6Mbps: -86dBm
- 9Mbps: -86dBm
- 12Mbps: -84dBm
- 18Mbps: -84dBm
- 24Mbps: -81dBm
- 36Mbps: -78dBm
- 48Mbps: -70dBm
- 54Mbps: -66dBm

For 802.11b:

- 1Mbps: -91dBm
- 2Mbps: -91dBm
- 5.5Mbps: -89dBm
- 11Mbps: -88dBm

For 802.11g:

- 6Mbps: -87dBm
- 9Mbps: -87dBm
- 12Mbps: -85dBm
- 18Mbps: -85dBm
- 24Mbps: -83dBm
- 36Mbps: -80dBm
- 48Mbps: -74dBm
- 54Mbps: -70dBm

### External Antenna Type

- Non-Detachable Dualband Dipole antenna with 2dBi gain

### Transmit Output Power

For 802.11a:

- 25mW (14dBm)
- 10mW (10dBm)

For 802.11b/g:

- 50mW (17dBm)
- 20mW (13dBm)

### LEDs

- Power
- Wireless
- System

### Operating Voltage

- 5VDC +/- 10%

### Dimensions

- L = 4.46 inches (113mm)
- W = 3.94 inches (100mm)
- H = 0.95 inches (24mm)

### Certifications

- FCC

### Warranty

- 1-Year

<sup>1</sup>Maximum wireless signal rate derived from IEEE Standard 802.11a, 802.11b and 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.

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