

DWL-7100AP



- **New Up to 108Mbps and Compatible to 11g, 11a & 11b**
- **Versatility to use 2.4GHz or 5GHz frequency when needed**
- **Connect to any 802.11a, 802.11b and 802.11g wireless network**
- **Enhanced Security Features**



## **Air Premier™ AG** **11a/11g Dualband Wireless** **108Mbps Access Point**

D-Link, the networking industry leader, delivers another innovative and versatile solution in wireless connectivity with the **D-Link AirPremier™ DWL-7100AP** Wireless Access Point. This dual-band (2.4GHz, 5GHz), tri-mode (802.11a, b, g) Access Point provides the most bandwidth coverage available in an AP. Multiple wireless clients can connect to the DWL-7100AP using both A and G wireless standards and any of its 11 non-overlapping channels to transfer data at speeds of up to 108 Mbps.

The DWL-7100AP operates seamlessly and simultaneously in both the 2.4GHz and 5GHz frequency and over multi-mode spectrums. Use the DWL-7100AP as a bridge connecting with 802.11a wireless standard and while still providing Access Point functionality with 802.11b and 802.11g. Network Administrators can easily integrate various wireless managements with the DWL-7100AP Wireless Distribution System (WDS), offering modes in AP, Point-to-Point Bridge, Point-to-Multipoint Bridges, AP Client, and Repeater, allowing users to gain controls beyond a sole AP.

The DWL-7100AP is ideal for network administrators who require advanced management controls and network security features. The DWL-7100AP offers 152-bit WEP encryption. In addition, the DWL-7100AP incorporates WPA (Wi-Fi Protected Access), which has both certificate ticket verification and AES (Advanced Encryption Security) protocols available. All configuration settings are easily accessible via the Web-based interface. The Setup Wizard gets you connected to your network within minutes.

With transfer rates of up to 108Mbps in both 2.4GHz and 5 GHz bands, large bandwidth-intense files travel remotely over 15 times the transfer speeds of previous wireless devices. The tri-mode allows data transfer without the interference with other devices at one fixed wireless standard. For offices, schools, or residential and public areas, the DWL-7100AP establishes a network environment that allows users to wirelessly communicate with one another, share an Internet connection, and access data all at high speeds of up to 108Mbps.

# Air Premier™ AG

## 11a/11g Dualband Wireless

# 108Mbps Access Point



### SPECIFICATIONS

#### Standards

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

#### Device Management

- Web-Based – Internet Explorer v6 or later; Netscape Navigator v6 or later; or other Java-enabled browsers.
- SNMP V.3

#### Wireless Data Rates

##### With Automatic Fallback

- Super AG™ 108Mbps
- 54Mbps • 48Mbps • 36Mbps
- 24Mbps • 18Mbps • 12Mbps
- 11Mbps • 9Mbps • 6Mbps
- 5.5Mbps • 2Mbps • 1Mbps

#### Wireless Frequency Range

- 2.4 to 2.4825GHz
- 5.150GHz to 5.850GHz

#### Wireless Operating Range\*

- Indoors: Up to 328 ft (100 meters)
- Outdoors: Up to 1312 ft (400 meters)

#### Receiver Sensitivity

- 108Mbps OFDM, 10% PER, -73dBm
- 54Mbps OFDM, 10% PER, -66dBm
- 48Mbps OFDM, 10% PER, -71dBm
- 36Mbps OFDM, 10% PER, -76dBm
- 24Mbps OFDM, 10% PER, -80dBm
- 18Mbps OFDM, 10% PER, -83dBm
- 12Mbps OFDM, 10% PER, -85dBm
- 9Mbps OFDM, 10% PER, -86dBm
- 6Mbps OFDM, 10% PER, -87dBm
- 5.5Mbps CCK, 8% PER, -92dBm
- 2Mbps QPSK, 8% PER, -93dBm
- 1Mbps BPSK, 8% PER, -94dBm

#### Security

- 64-, 128, 152-bit WEP
- WPA — Wi-Fi Protected Access (64-, 128-WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)
- Supports Advanced Encryption Standard (AES)

#### Wireless Transmit Power

15dBm (32mW) ± 2dB

#### External Antenna Type

- Dual Non-Detachable Dipole Antenna

#### LEDs

- Power • WAN • LAN (10/100)
- WLAN (Wireless Connection) - 802.11a, 802.11g

#### Temperature

- Operating: 32°F to 149°F (0°C to 55°C)
- Storing: 4°F to 167°F (-20°C to 75°C)

#### Humidity

95% maximum (non-condensing)

#### Power Adapter

- Ext. Power Supply DC 5V, 3.0A
- 100-240V ~ 50-60Hz

#### Safety & Emissions

- FCC • UL

#### Dimensions

- L = 5.6 inches (142mm)
- W = 4.3 inches (109mm)
- H = 1.2 inches (31mm)

#### Weight

0.44 lbs (200g)

#### Warranty

3 Year

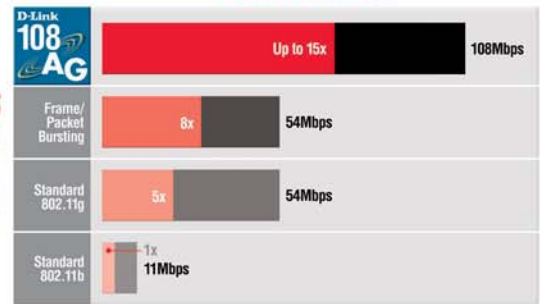
\* Environmental conditions may adversely affect wireless signal range.

#### Actual Throughput

#### Data Rate

### Performance

Technology



D-Link 108AG performance results are based on testing with other D-Link 108AG enabled devices utilizing Packet Bursting, FastFrames, Turbo Mode and Compression techniques. Data already compressed may not benefit from the D-Link 108AG compression technique.

### Five Operational Modes

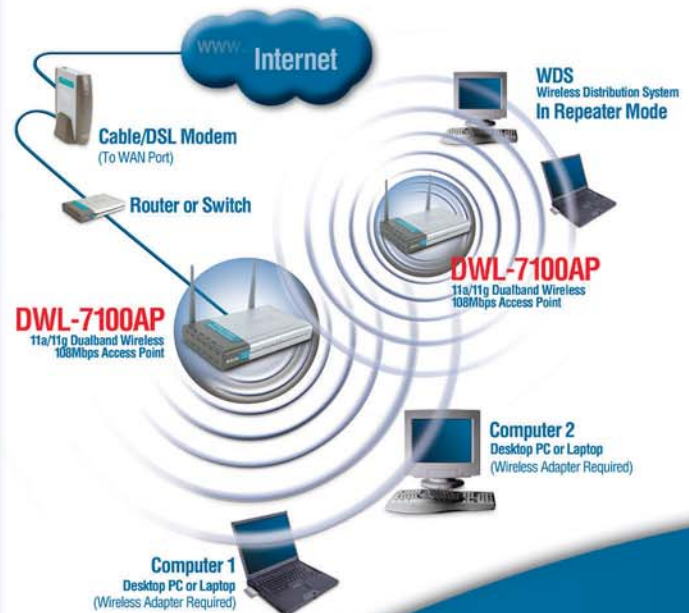
#### Operation Mode

(Only supports one mode at a time)

#### Function

Access Point (AP)	Create a Wireless LAN
AP - to - AP Bridging	Wirelessly Connect 2 Networks
Point - to - Multipoint Bridging	Wirelessly Connect Multi-Networks
Wireless Client	Wirelessly Connect Ethernet Devices
Wireless Repeater (WDS)*	Wirelessly Repeats 11a/11g AP Gateways (Atheros Based)

\*WDS Includes Bridge/Repeating



D-Link Systems, Inc. 17595 Mt. Hermann Fountain Valley CA 92708-4160 www.dlink.com  
 ©Copyright D-Link Systems, Inc. 2004. All rights reserved. D-Link® is a registered trademark of D-Link Systems, Inc.  
 Other trademarks or registered trademarks are the property of their respective manufacturers or owners.  
 Price and specifications are subject to changes without notice. See inside package for warranty details.  
 \*24/7 Tech Support is available only in USA.

# D-Link®

Building Networks for People