

# D-Link

Building Networks for People

DWL-2700AP



## Broadband Wireless Access

- Up to 54Mbps with Five Operational Modes Including WDS
- All-Weather Outdoor Housing with Built-in Heater
- Better Wireless Security with ACL, 802.1X, WPA, and AES
- Easy Installation with 802.3af PoE and SNMP Support for Management



## **AirPremier™** Outdoor 2.4GHz Wireless Access Point/Bridge

D-Link, the industry pioneer in wireless networking, offers yet another high-performance wireless outdoor solution. The D-Link *AirPremier DWL-2700AP* is a 2.4GHz Outdoor Wireless Access Point that conforms to IEEE 802.11b/g standards. The *DWL-2700AP* covers a large operating distance for Wireless LANs and broadband Internet access with transfer speeds of up to 54Mbps. The *DWL-2700AP* is ideal for Internet Service Providers to create hotspot networks and provide outdoor users with wireless Internet access. Ideal locations include manufacturing plants, industrial locations, college and high school campuses, airports, golf courses, marinas and many other outdoor venues.

The D-Link *AirPremier DWL-2700AP* is designed to handle any outdoor environment. With die-cast watertight housing and built-in heater with a temperature sensor, the *DWL-2700AP* is the most robust outdoor AP for enterprise networks. It includes cost-effective IEEE 802.3af Power over Ethernet (PoE) for easy installation. The *DWL-2700AP* features WDS (Wireless Distribution System)

which can be configured to perform in any one of five modes – wireless Access Point (AP), Point-to-Point (PtP) bridge, Point-to-Multi-Point (PtMP) bridge, repeater, or wireless client. It also includes an embedded DHCP server automatically assigns IP addresses to wireless clients. With a variety of high-gain outdoor antennas from D-Link to accommodate your network needs, the *DWL-2700AP* is ideal for connecting networks in different buildings.

The *DWL-2700AP* supports up to 152-bit WEP encryption and AES (Advanced Encryption Standard). In addition, IEEE 802.1X port-based network access control for user authentication with WPA (Wi-Fi Protected Access) helps provide optimal security. Load balancing and redundancy are also available. The *DWL-2700AP* is easy to manage with its web-based user interface and Telnet configuration. For Enterprise networks, the *DWL-2700AP* supports SNMP v.3 network administration and real-time network traffic monitoring via D-Link's D-View Network Management software.

# AirPremier™ Outdoor 2.4GHz Wireless Access Point/Bridge



DWL-2700AP

## SPECIFICATIONS

### Standards:

- IEEE 802.11b
- IEEE 802.11g

### Frequency Range:

2.4-2.497MHz ISM band

### Regulation Certifications

- FCC Part15
- ETSI 300/328

### Transmit Power

23dBm (200mW)

### Security:

- 64/128/152-bit WEP (RC4)
- IEEE 802.1x port-based authentication
- MAC address based access control
- 802.11b SSID hidden
- WPA (Wi-Fi Protected Access)
- AES (Advanced Encryption Standard)

### Device Management:

- Web-based manager
- Telnet
- SNMP v.3

### Interface

- Power Jack
- Factory Reset Button
- 10/100M Base-T (UTP)
- Wireless Antenna

### Antenna Type

Monopole antenna with 5dBi gain

### Ethernet Standard

IEEE 802.3, IEEE 802.3u, IEEE 802.3x

### Operating Voltage

48VDC +/- 10% for POE

### Current Consumption

- Max. 7W without POE (without heater)
- Max. 8.5W with POE(without heater)
- Max. 27W without POE (with heater)
- Max. 28.5W with POE(with heater)

### LEDs

- Power LED · 10/100M LED
- RSSI level LED · 802.11b/g LED

### Media Access Protocol

CSMA/CA with ACK

### Radio and Modulation Type

- BPSK, QPSK, 16QAM, 64QAM, OFDM
- DQPSK, DBPSK, and CCK

### Operating Frequency

- 2400 ~ 2483.5MHz ISM band
- Channel Numbers
- 11 Channels for United States
- 13 Channels for Europe Countries
- 13 Channels for Japan

### Data Rate

- 54, 48, 36, 24, 18, 12, 9 and 6Mbps
- 11, 5.5, 2, and 1Mbps

### Transmitter Output Power

Typical RF Output Power at each Data Rate

- +18dBm at 54Mbps
- +20dBm at 48Mbps
- +20dBm at 36Mbps
- +23dBm at 24, 18, 12, 9, and 6Mbps
- +23dBm at 11, 5.5, 2 and 1Mbps

### Receiver Sensitivity

Typical Sensitivity at Which Frame (1000-byte PDUs) Error Rate = 10%

- -89dBm at 2Mbps
- -87dBm at 6Mbps
- -86dBm at 9Mbps
- -85dBm at 12Mbps
- -83dBm at 18Mbps
- -83dBm at 11Mbps
- -80dBm at 24Mbps
- -76dBm at 36Mbps
- -71dBm at 48Mbps
- -66dBm at 54Mbps

### Operating Temperature:

- -40~60°C (-40~140°F) in operating
- -40~65°C (-40~149°F) in storage

### Humidity (non-condensing)

- 5% to 95% typical
- All-weather enclosure

### Dimensions

L = 10.93in. (277.7mm)  
W = 6.10in. (155mm)  
H = 1.77in. (45mm)

### Warranty

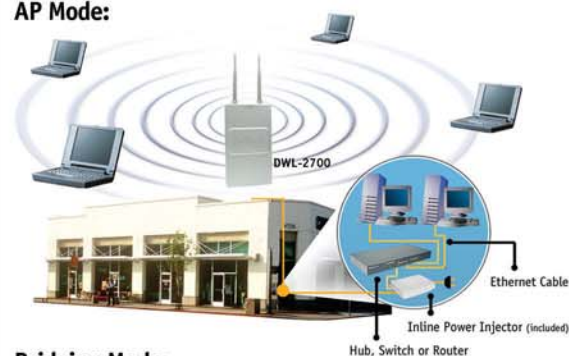
1 Year

## Five Operational Modes

Operation Mode (Only supports 1 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)*	Wireless Repeats 11g AP Gateways (Atheros Based)

\*WDS Includes Bridge Repeating

### AP Mode:



### Bridging Mode:

