



— DWL-2700AP

802.11g Outdoor Access Point

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 hot spot 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.

Powerful & Durable Outdoors Wireless Solution

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.

Ideal for Building-to-Building Connection

The DWL-2700AP 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.

Network Security

The DWL-2700AP supports up to 152-bit WEP encryption and AES (Advanced Encryption Standard)*. In addition, IEEE 802.1x network access control for user authentication with WPA (Wi-Fi™ Protected Access) helps provide optimal security.

Management

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 D-View Network Management software.

Key Features

- 802.11g 2.4GHz standard
- Up to 54Mbps data transfer rate
- Rugged all-weather outdoor housing with built-in heater
- Built-in 802.3af Power Over Ethernet (PoE)
- 64/128/152-bit WEP data encryption
- Better wireless security with ACL, 802.1X, WPA, and AES*
- Ideal for building-to-building connection & Internet hotspot creation
- Built-in DHCP server
- Web-based & SNMP management

* AES function available in future firmware upgrade

DWL-2700AP

Technical Specifications

2.4GHz Wireless LAN

WLAN Standards

- IEEE 802.11b
- IEEE 802.11g

Ethernet Standard

- IEEE 802.3 Ethernet
- IEEE 802.3u Fast Ethernet
- IEEE 802.3x Flow Control

Frequency Range

2.4GHz to 2.4835GHz ISM band

Interface

- Power jack
- Factory reset button
- 10/100BASE-TX Ethernet port

Media Access Protocol

CSMA/CA with ACK

Radio & Modulation Schemes

- 802.11g: BPSK, QPSK, 16QAM, 64QAM, OFDM
- 802.11b: DQPSK, DBPSK, CCK

Operating Frequency

2400 to 2483.5MHz ISM band

Channel Numbers

- 11 Channels (FCC)
- 13 Channels (ETSI)

Data Rates

- 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps
- 802.11b: 11, 5.5, 2, and 1Mbps

Transmit Output Power

(For DWL-2700AP models complying with FCC regulations)

- 802.11g:
 - +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
- 802.11b:
 - +23dBm at 11, 5.5, 2 and 1Mbps

Transmit Output Power

(For DWL-2700AP models complying with ETSI regulations)

15dBm for all modes of operation

EIRP

(For DWL-2700AP models complying with ETSI regulations)

20dBm

Receive Sensitivity

- 802.11g:
(1000-byte PDUs at 10% PER Packet Error Rate)
 - 87dBm at 6Mbps
 - 86dBm at 9Mbps
 - 85dBm at 12Mbps
 - 83dBm at 18Mbps
 - 80dBm at 24Mbps
 - 76dBm at 36Mbps
 - 71dBm at 48Mbps
 - 66dBm at 54Mbps
- 802.11b:
(at 8% PER Packet Error Rate)
 - 83dBm at 11Mbps
 - 89dBm at 2Mbps

Antenna Type

Monopole antennas with 5dBi Gain

Security

- 64/128/152-bit WEP (RC4)
- IEEE 802.1x authentication
- MAC address-based access control
- 802.11b SSID hidden
- WPAEAP, WPA PSK
- AES (Advanced Encryption Standard)*

* AES function available in future firmware upgrade

Device Management

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

Diagnostic LEDs

- Power LED
- RSSI level
- 10/100Mbps
- 802.11b/g

Physical & Environmental

Operating Voltage

48VDC +/- 10% for PoE

Power Consumption

- 7 watts (max.) without PoE (without heater)
- 8.5 watts (max.) with PoE (without heater)
- 27 watts (max.) without PoE (with heater)
- 28.5 watts (max.) with PoE (with heater)

Operating Temperature

-40° to 60 °C (-40° to 140° F)

Storage Temperature

-40° to 65 °C (-40° to 149 °F)

Humidity

5% to 95% non-condensing, all-weather enclosure

Dimensions

280 (L) x 157 (W) x 45 (H) mm

Regulation Certification

- FCC Part 15
- ETSI 300328
- CE: EN60950
EN55024
EN301489-17



Ordering Information

DWL-2700AP 802.11g Outdoor Access Point/Bridge

Please specify your order as follows:

BDWL-2700AP	For USA
DWL-2700AP/ANA	US type power adapter, FCC type frequency
DWL-2700AP/EEU	EU type power adapter, ETSI type frequency
DWL-2700AP/ENA	EU type power adapter, FCC type frequency
DWL-2700AP/BEU	UK power adapter, ETSI type frequency
DWL-2700AP/NEU	For Australia
NDWL-2700AP	For China
DWL-2700AP/BEEU	UK and EU type power adapters, ETSI frequency

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Canada	TEL: 1-905-8295033	FAX: 1-905-8295223
Europe (U. K.)	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Netherlands	TEL: 31-10-282-1445	FAX: 31-10-282-1331
Belgium	TEL: 32(0)2-517-7111	FAX: 32(0)2-517-6500
Italy	TEL: 39-02-2900-0676	FAX: 39-02-2900-1723
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Norway	TEL: 47-23-897189	FAX: 47-22-309085
Finland	TEL: 358-9-2707 5080	FAX: 358-9-2707-5081
Spain	TEL: 34-93-4090770	FAX: 34-93-4910795
Portugal	TEL: 351-21-8688493	
Czech Republic	TEL: 420-(603)-276-589	
Switzerland	TEL: 41-(0)-1-832-11-00	FAX: 41(0)-1-832-11-01
Greece	TEL: 30-210-9914 512	FAX: 30-210-9916902
Luxemburg	TEL: 32-(0)2-517-7111	FAX: 32-(0)2-517-6500
Poland	TEL: 48-(0)-22-583-92-75	FAX: 48-(0)-22-583-92-76
Hungary	TEL: 36-(0)-1-461-30-00	FAX: 36-(0)-1-461-30-09
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
India	TEL: 91-022-26526696	FAX: 91-022-26528914
Middle East (Dubai)	TEL: 971-4-3916480	FAX: 971-4-3908881
Turkey	TEL: 90-212-289-56-59	FAX: 90-212-289-76-06
Egypt	TEL: 202-414-4295	FAX: 202-415-6704
Israel	TEL: 972-9-9715700	FAX: 972-9-9715601
LatinAmerica	TEL: 56-2-232-3185	FAX: 56-2-232-0923
Brazil	TEL: 55-11-218-59300	FAX: 55-11-218-59322
South Africa	TEL: 27-12-665-2165	FAX: 27-12-665-2186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099 #350
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