# **Robust Network Options**

+ Simultaneous 802.11b/g Wireless Connectivity

**D-Link** 

- + Multiple SSID Support
- + Detachable Antennas

# **Outdoor-Friendly Housing**

- + Supports 802.3af Power over Ethernet
- + Diecast Watertight Housing
- + Built-in Heater with Temperature Sensor

# **Multiple Operation Modes**

- + Access Point
- + WDS with AP
- + WDS/Bridge (No AP Broadcasting)

# **Maximum Security Features**

- + WPA2-Enterprise/Personal
- + WPA™-Enterprise/Personal
- + WPA2<sup>™</sup>-PSK/AES over WDS
- + 64/128/152-bit WEP Encryption
- + MAC Address Filtering

## **Advanced Options**

- + Load Balancing
- + SysLog

## Easy Management

- + Web Browser
- + Telnet
- + SNMPv3
- + AP Manager II

# AirPremier 802.11g Outdoor AP/Bridge

#### Overview

D-Link, the industry pioneer in wireless networking, offers a reliable high-performance wireless outdoor solution—the D-Link AirPremier 802.11g Outdoor AP/Bridge (DWL-2700AP), capable of delivering transfer rates of up to 54Mbps<sup>1</sup> in an outdoor environment.

## Extended Wireless Coverage

The AirPremier 802.11g Outdoor AP/Bridge is an ideal addition to business networks seeking to extend wireless signal coverage over outdoor real estate. Hotspot operators can use this rugged outdoor access point to support and deliver wireless connectivity to their customers—whether they are indoors, outdoors, on the terrace, or even on a boat in the middle of a lake. Another ideal deployment application includes bridging together networks that are located in separate buildings.

## Durable Outdoor AP/Bridge

Enclosed in a diecast watertight housing and equipped with a built-in heater monitored by a temperature sensor, the AirPremier 802.11g Outdoor AP/Bridge is designed to endure almost any outdoor condition. For advanced installations, this AP/Bridge has an integrated 802.3af Power over Ethernet (PoE) port that allows you to install the device in areas where power outlets are not readily available<sup>3</sup>.

## **Multiple Operation Modes**

In addition to easy installation, the AirPremier 802.11g Outdoor AP/Bridge can be configured to operate in any one of three modes: Access Point (AP), Wireless Distribution System (WDS) with AP, or WDS (No AP Broadcasting). This will provide versatile solutions to a wide range of wireless scenarios.

## Security

When used in any of its operating modes, the AirPremier 802.11g Outdoor AP/Bridge provides maximum security by supporting WEP (64/128/152-bit), WPA, WPA2, MAC Address Filtering, Wireless LAN segmentation, and Disable SSID Broadcast, ensuring complete network protection.

## **Advanced Features**

The AirPremier 802.11g Outdoor AP/Bridge includes advanced features like load balancing that optimizes high network traffic volume and redundancy for fail-safe wireless connectivity. Combined with syslog, an industry standard for computer systems monitoring and security auditing, the DWL-2700AP is an ideal wireless networking solution.

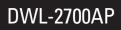


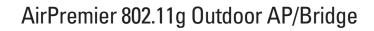
#### Network Management

Network administrators can manage all AP/Bridge settings via its Web-based configuration utility or with Telnet. For advanced network management, administrators can use D-Link's AP Manager II or D-View SNMPv3 management module to configure multiple access points from a single location.

With integrated PoE support, extensive manageability, versatile operation modes, and solid security enhancements all built into one sturdy box, the D-Link AirPremier 802.11g Outdoor AP/Bridge (DWL-2700AP) provides everything network administrators need to extend a wireless network to the outdoors.

# BUSINESS



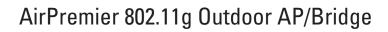


Technical Specifications			
Standards	+ IEEE 802.11b + IEEE 802.3u	+ IEEE 802.11g + IEEE 802.3x	+ IEEE 802.3
Network Management	+ Web Browser Interface + AP Manager II + SNMP Support - D-View Module - Private MIB + Command Line Interface - Telnet		
Data Rate <sup>1</sup>	For 802.11b: + 11, 5.5, 2, and 1Mbps For 802.11g: + 54, 48, 36, 24, 18, 12, 9 and 6	Mbps	
Security	+ WPA-Personal + WPA2-Personal + 64/128/152-bit WEP + MAC Address Access Con	+ WPA-Enterprise + WPA2-Enterprise + SSID Broadcast Disable trol List	
Wireless Frequency Range	+ 2.4GHz to 2.4835GHz		
Radio and Modulation Type	For 802.11b: DSSS: +DBPSK @ 1Mbps For 802.11g: OFDM: +BPSK @ 6 and 9Mbps +640AM @ 48 and 54Mbps DSSS:	+ DΩPSK @ 2Mbps + ΩPSK @ 12 and 18Mbps	+ ССК @ 5.5 and 11Mbps + 16QAM @ 24 and 36Mbps
	+DBPSK@1Mbps	+ DQPSK @ 2Mbps	+ CCK @ 5.5 and 11Mbps
Antenna Type	+ Monopole Antennas with 5dBi Gain		
Transmit Output Power	For 802.11b: + 100mW (20dBm) + 30mW (15dBm) + 10mW (10dBm) + 1mW (0dBm) For 802.11g: + 200mW (23dBm) + 30mW (15dBm) + 10mW (10dBm) + 1mW (0dBm)	+ 50mW (17dBm) + 20mW (13dBm) + 5mW (7dBm) + 63mW (18dBm) + 20mW (13dBm) + 5mW (7dBm)	
Receiver Sensitivity <sup>1</sup>	For 802.11b: +1Mbps: -92dBm +5.5Mbps: -88dBm For 802.11g: +1Mbps: -92dBm +6Mbps: -87dBm +12Mbps: -88dBm +36Mbps: -76dBm	+ 2Mbps: -89dBm + 11Mbps: -83dBm + 2Mbps: -89dBm + 9Mbps: -86dBm + 18Mbps: -83dBm + 48Mbps: -71dBm	+ 5.5Mbps: -88dBm + 11Mbps: -85dBm + 24Mbps: -80dBm + 54Mbps: -66dBm
LEDs	+ Power + RSSI level	+ 10M/100M + 802.11b/g	



**D-Link**<sup>®</sup>





Wireless Operating Range <sup>1</sup>	802.11g (Full Power with 5dBi gain diversity dipole antenna) Indoor:		
	+ 98ft (30m) @ 54Mbps + 112ft (34m) @ 48Mbps + 184ft (56m) @ 18Mbps + 217ft (66m) @ 12Mbps + 259ft (79m) @ 9Mbps + 325ft (99m) @ 6Mbps Outdoor: + 367ft (112m) @ 54Mbps +820ft (250m) @ 18Mbps		
Operating Voltage	+ 1,640ft (500m) @ 6Mbps + 48VDC +/- 10% for PoE		
Current Consumption	+ Maximum 8.5W with PoE (Without Heater) + Maximum 28.5W with PoE (With Heater) <sup>3</sup>		
Temperature	+ Operating: -40°F to 140°F (-40°C to 60°C) + Storing: -40°F to 149°F (-40°C to 65°C)		
Humidity	+ Operating: 10% ~ 90% (Non-Condensing) + Storing: 5% ~ 95% (Non-Condensing)		
Certifications	+ FCC Part 15 + CSA International		
Dimensions (W x D x H)	6.13" x 11.52" x 2.25" (155mm x 293mm x 57mm)		
Weight (lbs)	4.1 lbs		
Warranty	1-Year Limited <sup>2</sup>		

<sup>1</sup> Maximum wireless signal rate derived from IEEE Standard 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. Environmental factors will

<sup>2</sup> 1-Year Limited Warranty available only in the U.S.A. and Canada.
<sup>3</sup> Maximum 28.5W power consumption maybe only be achieved using the D-Link Power Injector included with this product.

All references to speed and range are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.



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