D-Link®

AirPlusXtremeG™

Up to 15X Faster

Total 802.11 Super G ATHEROS™

108 Mbps

—— DWL-2000AP

802.11g High-Speed Wireless Access Point

The AirPlusXtremeG™ DWL-2000AP is an enhanced high-performance 802.11g wireless Access Point for use indoors. This device supports wireless networking speeds of up to 108Mbps Turbo mode, while providing seamless interoperability with all existing 802.11b wireless equipment. With high data transfer rates, better security and built-in bridge function, this device is the ideal wireless solution that offers an upgrade to a fast, new technology while protecting your past investments through interoperability with your current network equipment.

Up to 108Mbps Speed on 2.4GHz Frequency Band

Providing transmission speeds of up to 108Mbps Turbo mode, the DWL-2000AP compares favorably with 802.11b devices that offer 11Mbps speed. This enhanced speed and adoption of 2.4GHz frequency, now available for public use in most countries, plus the mobility and convenience inherent in a wireless LAN, make this device an ideal solution for bandwidth intensive WLAN applications.

Compatible With 802.11b

AirPlusXtremeG 802.11g's compatibility with existing wireless LAN standards means that you do not need to change your entire network to maintain connectivity. The DWL-2000AP can transmit data at up to 108Mbps when used with other D-Link AirPlusXtremeG products.

Built-in Bridge Functions

The DWL-2000AP can be configured to operate in any one of the 4 modes: (1) as a wireless access point, (2) a point-to-point bridge with another access point, (3) a point-to-multi-point wireless bridge, or (4) a wireless client. With the built-in bridge functions, the DWL-2000AP gives you the flexibility to configure the device to meet your environment's requirements.

Easy Migration to Higher Bandwidth

By maintaining compatibility with your existing wireless network equipment, the DWL-2000AP lets you upgrade to a higher speed at the pace you want. The DWL-2000AP and other 802.11g standard devices can be gradually added to your network, while the rest of your older network remains perfectly connected.

Wi-Fi™ Protected Access

Enhanced security is provided with Wi-Fi Protected Access to authorize and identify users based on a secret key that changes automatically at a regular interval. Used in conjunction with a RADIUS server, WPA employs TKIP (Temporal Key Integrity Protocol) to change the temporal key every 10,000 packets. This insures much greater security than the standard WEP security, which requires the keys to be changed manually.

802.1x Authentication

The DWL-2000AP supports 802.1x authentication for protection against network intrusion. Used in conjunction with a RADIUS server, this function provides a means to verify the identity of the client before an access to the network is granted.

Pre-Shared Key

This function brings a lot of convenience (when used in conjunction with other 802.11g products) for users that do not incorporate a RADIUS server in their networks. Utilizing the Pre Shared Key mode of WPA, the DWL-2000AP gives each user a new security key every time he connects to the 802.11g network. Users only need to input their encryption information once in the configuration menu. With the DWL-2000AP, each user will automatically receive a new key every time he connects, the inconvenience of manual WEP key input is eliminated.

Embedded DHCP Server

The DWL-2000AP includes an embedded DHCP server that once enabled will automatically assign IP addresses to wireless clients. This unique feature makes the DWL-2000AP an ideal solution for quickly creating and extending a wireless local area network (WLAN) in offices or other workplaces, and at trade shows and other special events.

Features

- *802.11g 2.4GHz standard*
- *Up to 108Mbps Turbo mode high-speed transmission*
- *10/100Mbps port for connection to Fast Ethernet or DSL/cable modem router*
- *Compatible with existing 802.11b wireless devices*
- *Seamless roaming from cell to cell and across Access Points*
- *Built-in DHCP server*

- *4 operation modes: AP, AP-to-AP bridge, AP-to-multi-point bridge, wireless client*
- *Detachable reverse SMA dipole antenna*
- *64/128/152-bit WEP data encryption*
- *Advanced security with WPA, 802.1x authentication, TKIP and Pre-Shared Key*
- *Web-based configuration & management*

DWL-2000AP

Technical Specifications

Standards
- IEEE 802.11g wireless LAN
- IEEE 802.3 Ethernet/IEEE 802.3u Fast Ethernet

Wireless Data Rates
(With Automatic Fallback)
54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 11 Mbps, 9 Mbps, 6 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps

Security
- 64/128/152-bit-WEP data encryption
- 802.1x authentication
- WPA-- Wi-Fi Protected Access (64-, 128-, 152-bit WEP with TKIP, MIC, IV Expansion, Shared Key Authentication)

Media Access Control
CSMA/CA with ACK

Wireless Frequency Range
2.4 - 2.4835 GHz

Modulation Technology
- Orthogonal Frequency Division Multiplexing (OFDM)
- Complementary Code Keying (CCK)

Receiver Sensitivity
- 54 Mbps OFDM, 10% PER, -68 dBm
- 48 Mbps OFDM, 10% PER, -68 dBm
- 36 Mbps OFDM, 10% PER, -75 dBm
- 24 Mbps OFDM, 10% PER, -79 dBm
- 18 Mbps OFDM, 10% PER, -82 dBm
- 12 Mbps OFDM, 10% PER, -84 dBm
- 11 Mbps CCK, 8% PER, -82 dBm
- 9 Mbps OFDM, 10% PER, -87 dBm
- 6 Mbps OFDM, 10% PER, -88 dBm
- 5.5 Mbps CCK, 8% PER, -85 dBm
- 2 Mbps QPSK, 8% PER, -86 dBm
- 1 Mbps BPSK, 8% PER, -89 dBm

Transmit Output Power
15 dBm (32 mW) +/- 2dB

Antenna
2dBi Gain detachable dipole antenna with reverse SMA connector

Wireless Operating Range *
- Indoors: Up to 100 m (328 feet)
- Outdoors: Up to 400 m (1,312 feet)

* Environmental factors may adversely affect operating range

Device Management
- Web-Based: Internet Explorer v6 or later; Netscape Navigator v6 or later; or other Java- enabled browsers
- DHCP Server and Client

LEDs Power
- WAN
- LAN (10/100Mbps)
- WLAN

Physical & Environmental

Power Input
- DC 5V, 2.0A
- Through external power adapter

Dimensions
142 (L) x 109 (W) x 31 (H) mm (5.6 x 4.3 x 1.2 inches)

Weight
200 grams (0.44 lbs)

Operating Temperature
0° - 55° C (32° - 149° F)

Storage Temperature
-20° - 75° C (4° - 167° F)

Humidity
95% maximum (non-condensing)

Emissions
- FCC Class B
- CE Class B

Safety
UL

ACN 052 202 838

Ordering Information

802.11g Access Point
DWL-2000AP   1 RJ-45 10BASE-T/100BASE-TX port (for connection to Ethernet)

Please specify your model number as follows:

DWL-2000AP/ANA	US power adapter, North America frequency
DWL-2000AP/EEU	EU power adapter, EU frequency
DWL-2000AP/ENA	EU power adapter, North America frequency
DWL-2000AP/BEU	UK power adapter, EU frequency
DWL-2000AP/NEU	Australia power adapter, EU frequency
DWL-2000AP/CN	China power adapter, China frequency, China packaging
TDWL-2000AP	US power adapter, North America frequency, Taiwan packaging
BDWL-2000AP	US power adapter, North America frequency, USA packaging

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U.S.A	TEL: 1-714-885-6000	FAX: 1-866-743-4905
Canada	TEL: 1-905-8295033	FAX: 1-905-8295223
Europe	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: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Norway	TEL: 47-22-309075	FAX: 47-22-309085
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
Singapore	TEL: 65-6774-6233	FAX: 65-6774-6322
Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
Japan	TEL: 81-3-5434-9678	FAX: 81-3-5434-9868
China	TEL: 86-10-8518-2533	FAX: 86-10-8518-2250
India	TEL: 91-022-652-6696	FAX: 91-022-652-8914
Middle East (Dubai)	TEL: 9714-8834234	FAX: 9714-8834394
Turkey	TEL: 90-212-335-2553	FAX: 90-212-335-2500
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
Brasil	TEL: 55-11-55039320	FAX: 55-11-55039321
South Africa	TEL: 27(0)1266-52165	FAX: 27(0)1266-52186
Russia	TEL: 7-095-744-0099	FAX: 7-095-744-0099#350
Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
D-Link Corp.	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299

RECYCLABLE
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