D-Link
Building Networks for People

Wireless G Access Point

For Home/SOHO

- Up to 54Mbps Wireless Speed
- Advanced WPA/WPA2 Security
- Functions as Access Point or Wireless Repeater or Wireless Client
- Easy Web-Based Management

FEATURES

- **802.11g WLAN Standard**
- **Up to 54Mbps Data Transfer Rate**
- **64/128-bit WEP Data Encryption**
- **WPA/WPA2 Personal and Enterprise Security With TKIP and AES Support**
- **Can be Configured to Operate in AP, Repeater and Wireless Client Mode**
- **Wireless Connection to Ethernet Network/Servers**
- **Through 10/100BASE-TX Port**
- **Web-Based Configuration & Management**
- **System Log**

* Maximum wireless signal rate based on standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate.

The AirPlus G DWL-G700AP is an 802.11g standard high-speed wireless access point designed for cost-effective home and small office wireless connection. This device features the latest advanced wireless silicon chip technology with enhanced security to shield and protect wireless communication from intruders.

802.11g Wireless Standard. Complying with the 802.11g WLAN standard, the DWL-G700AP provides speeds of up to 54Mbps when used with other 802.11g wireless products. Delivering throughput capable of handling heavy data payloads, this device is an ideal solution for bandwidth intensive applications. It is backward compatible with 802.11b wireless devices and provides seamless interoperability with the earlier standard equipment.

Multiple Operation Modes. The DWL-G700AP can be configured to operate in the AP, Repeater or Wireless Client mode. In the AP mode, it acts as a base station, providing connectivity for the wireless computers. In the repeater mode, the DWL-G700AP can increase the wireless signal range of a wireless router or another access point deployed in the same network. This operation mode is useful in large homes and buildings. The DWL-G700AP takes existing wireless signals and repeats them to enable wireless connectivity in the basement, patio, garage or any "dead spot" areas where the original wireless signal could not reach.

Advanced Network Security. The DWL-G700AP supports 64/128-bit WEP data encryption and WPA/WPA2 security functions. For WPA with TKIP (Temporal Key Integrity Protocol) encryption, the DWL-G700AP supports personal (PSK) security when operating in the AP or Repeater mode, and enterprise (EAP) security when operating in the AP mode. For advanced WPA2 with AES (Advanced Encryption Standard) for authentication of 802.11 clients using server-side digital certificates, the DWL-G700AP supports PSK personal security in the AP and Repeater modes, and EAP enterprise security in the AP mode. In addition to WEP and WPA/WPA2, the DWL-G700AP also provides MAC Address Filtering to control user access, and the Disable SSID Broadcast function to limit outsiders' access to the internal network.

AirPlus G

G 54

Product Specifications

Network Standards
- 802.11g wireless LAN
- 802.11b wireless LAN
- 802.3/802.3u 10BASE-T/100BASE-TX Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation

Media Access Control Protocol
CSMA/CA with ACK

Network Architecture Type
Infra-structure mode

Operating Frequency
2.4 to 2.4835 Ghz ISM band

Operating Channels
- FCC: 11
- ETSI: 13

Radio and Modulation Schemes
DQPSK, DBPSK, CCK, OFDM

Operation Modes
- AP
- Repeater
- Wireless Client

Transmit Output Power (for 802.11b)
16dBm typically

Transmit Output Power (for 802.11g)
13dBm typically

Security
- 64/128-bit WEP data encryption
- WPA-PSK, WPA2-PSK
- WPA-EAP, WPA2-EAP (AP mode only)
- TKIP, AES
- MAC address filtering
- SSID broadcast disable function

Antenna
2dBi Gain detachable omni-directional antenna with RP-SMA connector

Device Management
Web-based management through Internet Explorer v.6 or later, Netscape Navigator v.6 or later or other Java-enabled browser

Physical & Environmental

Diagnostic LEDs
- Power
- WLAN
- LAN

Operating Voltage
7.5VDC 1A

Power Input
Through external power adapter

Dimensions
142 (L) x 109 (W) x 31 (H) mm
(5.59 x 4.29 x 1.22 inches)

Weight
200 grams (0.44 lb)

Operating Temperature
0° to 55°C

Storage Temperature
-10° to 70°C
Operating Humidity
10% to 90% non-condensing

Storage Humidity
5% to 95% non-condensing

Certification
- FCC Class B
- CE
- C-Tick
- Wi-Fi

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