

Dualband Wireless Access For Your Network

DWL-AG700AP



- Dualband 802.11a/g Wireless Technology
- Ideal For Creating a Dedicated Multimedia Wireless Network
- Wireless Transfer Rates of up to 54Mbps¹ in Both Bands
- WPA-PSK for Enhanced Wireless Security

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AirPlus® AG Wireless AG Access Point

D-Link, an industry leader in networking, introduces the new D-Link AirPlus™ AG DWL-AG700AP Wireless AG Access Point. With the ability to concurrently distribute maximum bandwidth in both 802.11a and 11g, the DWL-AG700AP enables dualband wireless access for your home network.

The DWL-AG700AP is Wi-Fi certified in both 802.11a and 11g bands, so you can be sure that it will work with your existing wireless network devices and clients. This Wireless AG Access Point operates at full speed in both frequencies, so heavy use in one network will not reduce performance in the other. With concurrent dualband operation, get the benefits of two wireless networks using one device.

Dualband wireless technology enables two wireless networks to be created in order to better segment traffic and distribute bandwidth. By enabling a network with dual wireless functionality, use the 802.11g band for general usage, such as web surfing and transferring files, while using the 802.11a band to stream wireless media to your

entertainment system. Since the 802.11a band operates on a different frequency than common household appliances, this network ensures smooth audio and video transfers even during heavy data usage.

With its web-based setup wizard, the DWL-AG700AP ensures that you will be up and running on a wireless network in just a matter of minutes. The DWL-AG700AP also includes an embedded DHCP server that can automatically assign IP addresses to wireless clients.

The DWL-AG700AP features WPA-PSK and 64/128/152-bit WEP Encryption to provide security for wireless data communications. The DWL-AG700AP also includes additional security features to keep your wireless connection safe from unauthorized access.

With easy-to-use web-based management and simultaneous dualband operation, the DWL-AG700AP is the right choice for creating dualband wireless connectivity to your network.

¹ Maximum wireless signal rate based on IEEE Standard 802.11a/11b/11g specifications. Actual data throughput will vary. Network conditions and environmental factors lower actual data throughput rate.

Wireless AG Access Point

DWL-AG700AP



SPECIFICATIONS

Standards

- IEEE 802.11a • IEEE 802.11g • IEEE 802.3u
- IEEE 802.11b • IEEE 802.3 • IEEE 802.3x

Device Management

- Web-Based – Internet Explorer v6 or later; Netscape Navigator v6 or later; or other Java-enabled Browsers

Security

- 64/128/152-bit WEP
- WPA – Wi-Fi Protected Access (WPA – TKIP/ AES PSK)
- 802.1x (EAP-TLS)
- MAC Address Access Control List

Wireless Frequency Range

- 2.4GHz to 2.4835GHz
- 5.15GHz to 5.35GHz and 5.725GHz to 5.825GHz

Radio and Modulation Type

For 802.11b:

DSSS:

- DBPSK @ 1Mbps
- DQPSK @ 2Mbps
- CCK @ 5.5 and 11Mbps

For 802.11a/g:

OFDM:

- BPSK @ 6 and 9Mbps
- QPSK @ 12 and 18Mbps
- 16QAM @ 24 and 36Mbps
- 64QAM @ 48 and 54Mbps

DSSS:

- DBPSK @ 1Mbps
- DQPSK @ 2Mbps
- CCK @ 5.5 and 11Mbps

Receiver Sensitivity

For 802.11a:

- 6Mbps: -87dBm
- 9Mbps: -86dBm
- 12Mbps: -85dBm
- 18Mbps: -83dBm
- 24Mbps: -80dBm
- 36Mbps: -76dBm
- 48Mbps: -71dBm
- 54Mbps: -71dBm

For 802.11b:

- 1Mbps: -92dBm
- 2Mbps: -89dBm
- 5.5Mbps: -88dBm
- 11Mbps: -83dBm

For 802.11g:

- 1Mbps: -95dBm
- 2Mbps: -91dBm
- 5.5Mbps: -89dBm
- 6Mbps: -87dBm
- 9Mbps: -86dBm
- 12Mbps: -85dBm
- 18Mbps: -83dBm
- 24Mbps: -80dBm
- 36Mbps: -76dBm
- 48Mbps: -71dBm
- 54Mbps: -66dBm

Antenna Type

- Dual Band Dipole Antenna

Transmit Output Power

For 802.11a:

- 63mW (18dBm) • 32mW (15dBm) • 1mW (0dBm)
- 40mW (16dBm) • 6mW (7dBm)

For 802.11b:

- 63mW (18dBm) • 23mW (13dBm) • 1mW (0dBm)
- 40mW (16dBm) • 10mW (10dBm)
- 32mW (15dBm) • 6mW (7dBm)

For 802.11g:

- 63mW (18dBm) • 32mW (15dBm) • 1mW (0dBm)
- 40mW (16dBm) • 6mW (7dBm)

Wireless Operating Range²

802.11a/g (Full Power with 2.0dBi gain diversity dipole antenna)

Indoor:

- 98ft (30m) @ 54Mbps
- 105ft (32m) @ 48Mbps
- 121ft (37m) @ 36Mbps
- 148ft (45m) @ 24Mbps
- 197ft (60m) @ 18Mbps
- 223ft (68m) @ 12Mbps
- 253ft (77m) @ 9Mbps
- 295ft (90m) @ 6Mbps

Outdoor:

- 312ft (95m) @ 54Mbps
- 951ft (290m) @ 18Mbps
- 1,378ft (420m) @ 6Mbps

LEDs

- Power • 100M • 802.11b/g
- 10M • 802.11a

Operating Voltage

- 5VDC +/- 10%

Temperature

- Operating: 32°F to 104°F (0°C to 40°C)
- Storing: -4°F to 149°F (-20°C to 65°C)

Humidity

- Operating: 10%~90% (non-condensing)
- Storing: 5%~95% (non-condensing)

Certifications

- FCC Part 15
- Wi-Fi

Dimensions

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

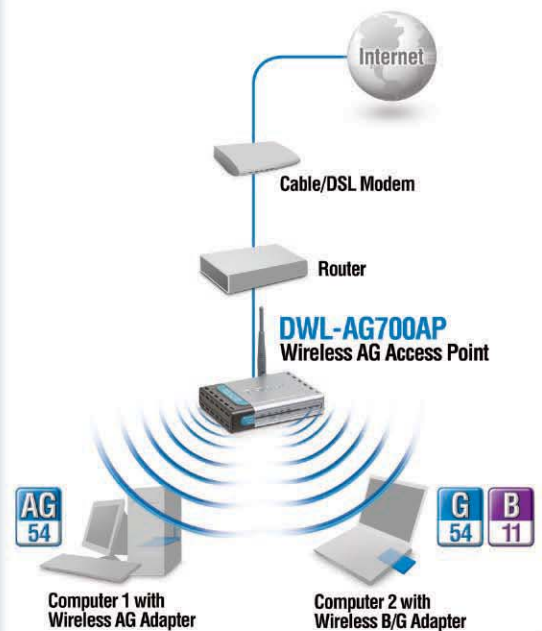
Weight

- 0.44 lbs (200g)

Warranty

- 1 Year

The DWL-AG700AP provides you with a cost-effective dualband wireless networking solution for your home or office network.



² Environmental conditions may adversely affect wireless signal range.

