

### D-Link*Air* Pro DWL-5000AP

## 5GHz Wireless Access Point



- **Up to a Rate of 72 Mbps in "Turbo" Mode**
- **152-Bit WEP Encryption with Dynamic Key Exchange**
- **Web-Based Interface for Managing and Configuring the Device**
- **Eight Non-Overlapping Channels Available to Users**
- **Adheres to 802.11a Standard**

### 802.11a Wireless Access Point

The D-Link*Air* Pro DWL-5000AP connects computers equipped with 802.11a wireless adapters in a wireless local area network. A typical installation in the home involves connecting the DWL-5000AP to a Residential Gateway to share a broadband connection - Cable or DSL - to computers with installed 802.11a wireless adapters. In a business environment, the DWL-5000AP is installed to extend the "wired" network to areas such as a warehouse, conference room, or other venue where cable installation maybe difficult to implement.

The D-Link*Air* Pro DWL-5000AP provides the convenience of wireless networking with connection speeds of up to 72 Mbps. The DWL-5000AP provides

the user with a very capable wireless network for large file transfers and running applications that require graphics, JPEGs, or videos from a server on the network.

The D-Link*Air* Pro DWL-5000AP has a 10/100Mbps port to allow connection to an existing "wired" network. With the network extended through the wireless connections, working areas such as the warehouse, conference room, and remote locations are able to gain access to critical information available on centralized databases in the local wired network.

Each computer will require an 802.11a wireless adapters such as the D-Link DWL-A650 for laptops or the D-Link DWL-A520 for desktops.

#### The D-Link*Air* Pro DWL-5000AP Includes

Wireless Access Point

Manual on CD

Quick Installation Guide

Power Adapter-5V DC, 2.5A

## Technical Specifications

### Standards

- IEEE 802.11a
- IEEE 802.3 and IEEE 802.3u
- IEEE 802.1d

### Ports

- (1) 10/100Base-T Ethernet, RJ-45(UTP)
- (1) RS-232 (DB9)
- (1) Power - 5V DC, 2.5A

### Network Management

Web-Based browser with JavaScript

### Frequency Range

5.150 - 5.350 GHz

### Range

- 54 Mbps @ 40 feet
- 6 Mbps @ 300 feet

### Data Rates

6, 9, 12, 18, 24, 36, 48, 54, 72 Mbps

### Modulation Technology

Orthogonal Division Frequency Multiplexing (OFDM)

### Modulation Techniques

- BPSK (Binary Phase Shift Keying)
- QPSK (Quadrature Phase Shift Keying)
- 16 QAM (Quadrature Amplitude Modulation)
- 64 QAM (Quadrature Amplitude Modulation)

### Data Security

- 64, 128, 154-bit WEP (Wired Equivalent Privacy) Encryption
- Access Control List

### Media Access Control

CSMA/CA

### Diagnostic LED

- Power
- Ethernet Link/Activity
- Wireless Activity

### Network Architecture

Supports Infrastructure Mode  
(Communications to wired networks via Access Points with Roaming)

### Antenna Type

- Dual 5dBi dipole antennas with diversity
- Power parameter software configurable

### Available Channels

Eight non-overlapping channels for North America

### MBTF (Mean Time Between Failure)

> 30,000 hours

### Physical Dimensions

- L = 9.25 inches
- W = 6.38 inches
- H = 1.63 inches

### Temperature

- Operating: 0°C to 55°C (32°F to 131°F)
- Storing: -20°C to 65°C (-4°F to 149°F)

### Humidity

5%-95%, non-condensing

### Certifications

FCC part 15b, UL1950-3

### FCC Guideline

For indoor use only

### Warranty

Three Years

Maximum wireless signal rate derived from IEEE Standard 802.11a 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.



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FCC Guidelines: Modifications to this device are not authorized, may violate FCC regulation Part 15.407, and will void the warranty for this product. This device is intended to operate in the frequency band of 5.15 to 5.25 GHz under all conditions of normal operation. According to FCC 15.407 (e), normal operation of this device is restricted to indoor use only to reduce any potential harmful interference to co-channel Mobile Satellite Systems, or radar systems that use 5.25 to 5.35 GHz and 5.65 to 5.85 GHz frequency bands. This interference could also damage this device

# D-Link®

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