D-Link®
Building Networks for People

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

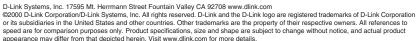## Certifications
FCC part 15b, UL1950-3

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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