

DWL-AB650



- 802.11a and 802.11b Compatible
- Dual-Band Access for Network Investment Protection
- Supports Advanced Encryption Security (AES)
- 152-bit WEP Encryption with Dynamic Keying

**AirPro**<sup>™</sup>

## Dual-Band, Multimode 2.4/5GHz Wireless Cardbus Adapter

**11a/b**  
802.11a &  
802.11b

**54 Mbps**  
&  
**11 Mbps**

**AES**  
SECURITY

**FREE**  
**24/7**  
**TECH**  
**SUPPORT**  
USA ONLY

D-Link, the industry leader in wireless networking, continues to deliver the most innovative and versatile solutions for networks that need to expand. Introducing D-Link AirPro™ DWL-AB650, a cardbus adapter for laptop computers that can connect to both 802.11b and 802.11a wireless networks.

The DWL-AB650 enables IT managers to plan for future network growth or to immediately expand their wireless network infrastructure when available wireless channels have already been tapped out. The additional high-bandwidth channels available with 802.11a also offer users on the network a robust way to transmit large data files much quicker than what was possible with 802.11b. Users have the option of connecting to an 802.11a network in the office or at home to take advantage of the greater bandwidth for large file transfers; or connect to a 802.11b “hotspot” network to retrieve and send emails. The DWL-AB650 is IEEE 802.11a and 802.11b compliant

and interoperable with other 802.11a and 802.11b compliant devices.

When communicating in the 802.11a bandwidth, the D-Link DWL-AB650 also provides a level of security not previously achievable from other standard wireless solutions. The Atheros Communications 802.11a chipset's utilization of the latest data encryption standard, AES along with 802.1x for user authentication provides a much more formidable barrier to hackers and sniffers, allowing users to share confidential or time-sensitive data with a much greater sense of security. The DWL-AB650 also has the option to utilize 152-bit WEP with Dynamic Keying with 802.1x user authentication.

When used with D-Link's other 802.11a and dual-band, multimode access points and routers, the DWL-AB650 also offers a quick, out-of-box solution to instantly expand a company's network.

# AirPro™

Dual-Band, Multimode 2.4/5GHz Wireless

# Cardbus Adapter



DWL-AB650

## SPECIFICATIONS

### Standards

- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.1x

### Bus Type

- PC Card Type II Cardbus

### OS Supported

- Windows 98SE
- Windows Me
- Windows 2000
- Windows XP

### Frequency Range

- 802.11a
  - 5.150 - 5.350GHz & 5.725 - 5.825GHz (U.S. & Canada)
- 802.11b
  - 2400 - 2.497GHz

### Data Rates

- 802.11a
  - 6, 9, 12, 18, 24, 36, 48, 54Mbps
- 802.11b
  - 1, 2, 5.5, 11Mbps

### Encryption

- Advanced Encryption Security (AES)
- 64/128/152-bit WEP (Wired Equivalent Privacy)

### Radio & Modulation Technology

- 802.11a
  - OFDM (Orthogonal Frequency Division Multiplexing)
- 802.11b
  - DSSS (Direct Sequence Spread Spectrum)

### Media Access Control

- CSMA/CA with ACK

### Antenna

- Dual Diversity Integrated with a max of 1.9dBi Gain

### Transmit Power

- 802.11a: +13 - 14 dBm (54Mbps)
- 802.11b: +18 dBm (11Mbps)

### Receiver Sensitivity

- 802.11a: -66 dBm (54Mbps)
- 802.11b: -84 dBm (11Mbps)

### Operating Voltage

- 3.3VDC  $\pm$  -10%

### Environmental Requirements

- Operating Temperature 32° to 131°F (0° to 55°C)
- Non-Operating Humidity 5% to 95% Non-Condensing
- Operating Humidity 10% to 90% Non-Condensing
- Storage Temperature -4° to 167°F (-20° to 75°C)

### Emissions Compliance

- FCC Part 15b

### Physical Dimensions

- L = 4.65 Inches (118 mm)
- W = 2.13 Inches (54 mm)
- H = .51 Inches (13 mm)

### Weight

- 0.09lb. (40 grams)

### Warranty

- Three Years

D-Link Products Compatible with the DWL-AB650

- AirPro** DWL-6000AP Multimode Wireless Access Point
- AirPro** DI-764 Multimode Wireless Router
- AirPro** DI-754 Multimode Wireless Router
- AirPlus** DWL-900AP+ Enhanced Wireless Access Point
- AirPlus** DI-614+ Enhanced Wireless Router
- AirPlus** DI-714P+ Enhanced Wireless Router

The D-Link AirPro™ DWL-AB650 is both IEEE 802.11a and 802.11b compliant, making it interoperable with the latest wireless technologies and providing an intelligent solution for networks that need to expand.



## Wireless Access for 802.11b & 802.11a



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\* 24/7 Tech Support is available only in USA.

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Building Networks for People