



### AirPlus

— DWL-810+

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This pocket-sized adapter plugs to a Fast Ethernet port of a PC, print server or game console to convert it into a 802.11b+ wireless LAN device.

## 802.11b+ Ethernet to Wireless LAN Client Adapter

*The AirPlus DWL-810+ is an Ethernet-to-Wireless LAN Client Adapter that converts virtually any Ethernet device such as set-top box, game console, printer, laptop and desktop computer to a wireless network device. The DWL-810+ acts as a client bridge between Ethernet and a wireless LAN, providing seamless integration between the two network types. With the DWL-810+, you can also share Ethernet-enabled printers in the home or office without stringing cable through walls or ceilings. Gamers can join multiple-player video games with others on the Internet wirelessly, using a high-speed broadband connection.*

### Plug and Play

Simply plug this compact device to an Ethernet interface, and your computer, print server, game console and other equipment will instantly become a wireless LAN device. No configuration is necessary. Your device can transparently operate on a D-LinkAir, AirPlus, or any 802.11b wireless network.

### Easy Settings

With its Web-based configuration interface, more advanced settings can be applied in the DWL-810+. When connecting to another DWL-810+, this Ethernet to Wireless LAN Client Adapter requires no configuration at all. You can use the convenient Setup Wizard for the easy installation of your DWL-810+. Whether you are using it in Ad-Hoc mode or Infrastructure mode, you can begin with the Setup Wizard.

### Interoperable With Wireless LAN Equipment

DWL-810+ interoperates with all 802.11b and 802.11b+ wireless equipment. This Ethernet-to-Wireless LAN Client Adapter offers multiple non-overlapping channels to minimize interference from other wireless networks.

### Data Security

The DWL-810+ provides choices of 64-bit, 128-bit and 256-bit RC4 WEP (Wired Equivalent Privacy) encryption, giving you an increased level of protection for sensitive data transmission and prevention of intruders from gaining access to your network connection.

### Cost-effective

The DWL-810+ is inexpensive. Its low cost allows you to convert any Ethernet device or network adapter to a wireless device. In the ad-hoc mode, the DWL-810+ even lets your wired network device operate with other wireless devices without the need for any Access Point.

### Key Features

- Easy, fast wireless connection for Ethernet devices
- 802.11b+ enhanced speed wireless LAN standard
- 2.4GHz frequency band
- Up to 22Mbps data transfer rate
- 10/100Mbps Fast Ethernet port with auto MDI/MDIX connection to network device
- Security with 64/128/256-bit WEP data encryption
- Ad-hoc and infrastructure modes
- Web-based configuration

# DWL-810+

## Technical Specifications

## 2.4GHz Wireless LAN

### Standards

- 802.11b+ wireless LAN
- IEEE 802.3/802.3u 10BASE-T/100BASE-TX Fast Ethernet

### Adapter Type

Fast Ethernet to 802.11b+ Wireless LAN

### Device Port

RJ-45 10BASE-T/100BASE-TX Fast Ethernet port with auto MDI/MDIX

### Media Access Control Protocol

CSMA/CA with ACK

### Network Architecture Types

Supports ad-hoc and infrastructure modes

### Operating Mode

Wireless client

### Data Rates

- 22Mbps
- 11Mbps
- 5.5Mbps
- 2Mbps
- 1Mbps
- Auto fall-back

### Frequency Range

2.4GHz to 2.4835GHz

### Modulation Technique

- PBCC (Packet Binary Convolutional Coding)
- DSSS (Direct Sequence Spread Spectrum)
- 11-chip Barker sequence

### Data Rate & Modulation

- 22Mbps/8.5db: PBCC
- 11Mbps/4.5db: PBCC
- 11Mbps/8.5db: CCK
- 5.5Mbps/1.5db: PBCC
- 5.5Mbps/5.5db: CCK
- 2Mbps/3db: Barker
- 1Mbps/0db: Barker

### Operating Channels

- North America (FCC): 11
- Canada (DOC): 11
- Europe (ETSI): 13
- Japan (MKG): 14

### Antenna

2dBi Gain detachable external dipole antenna (RP-SMA connector)

### Operating Range

- Indoor: up to 100 meters (328 feet)\*
- Outdoor: up to 400 meters (1,312 feet)\*

\* Environmental factors may adversely affect range

### Transmitter Output Power

15dBm  $\pm$ 2dB

### Data Security

64-bit, 128-bit and 256-bit WEP (Wired Equivalent Privacy) encryption

### Key Management

Automatic Dynamic Key Allocation (ADKA) through public key

### Configuration/Management

- Web-based (Internet Explorer v6 or later, Netscape Navigator v6 or later, or other Java-enabled browsers)
- Reset button

### Physical & Environmental

#### Diagnostic LEDs

- Power
- Link/Activity

### DC Input

5V 2.5A

### Power Supply

Through external power adapter

### Dimensions

90 (L) x 82 (W) x 40 (H) mm  
(3.5 x 3.2 x 1.6 inches)

### Weight

153 grams (0.34 lbs)

### Operating Temperature

0° - 55°C (32° - 131° F)

### Storage Temperature

-20° - 75°C (4° - 167° F)

### Humidity

Up to 95% non-condensing

### Emission Certification

- FCC Part 15b (Class B)
- CE Class B
- C-Tick
- BSMI Class B
- R&TTE



### Ordering Information

**DWL-810+** 802.11b+ Ethernet-to-Wireless LAN Client Adapter

*Please specify your model number as follows:*

**DWL-810+/ANA** US standard power adapter, North America frequency  
**DWL-810+/BEU** UK standard power adapter, EU frequency  
**DWL-810+/EEU** EU standard power adapter, EU frequency  
**DWL-810+/CN** China standard power adapter, EU frequency  
**DWL-810+/NEU** Australia standard power adapter, EU frequency  
**DWL-810+/UNA** No power adapter, North America frequency  
**DWL-810+/UEU** No power adapter, EU frequency

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<b>U.S.A</b>	TEL: 1-949-788-0805	FAX: 1-949-753-7033
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<b>D-Link Corp.</b>	TEL: 886-2-2916-1600	FAX: 886-2-2914-6299



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