



AirPlus

— DWL-810+

»» 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

D-Link®

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