D-Link®

AirPlus

DWL-120+

DWL-120+ with antenna flipped up (right),
DWL-120+ with antenna folded down (left).

802.11b+ Wireless LAN USB Adapter

The DWL-120+ wireless LAN USB adapter cost-effectively connects your computer to a wireless LAN. The adapter simply plugs to a USB 1.1 port of your computer, uses the 802.11b+ standard capable of up to 22Mbps network transfer data rates, and provides data encryption of 64, 128 or 256 bits for security. With industry standard interoperability and plug-and-play installation, this adapter is an ideal solution for notebook and desktop PC users needing standard wireless network connection.

Adjustable Antenna
With its unique flip-up, adjustable antenna design, and the included USB cable, the DWL-120+ can be positioned virtually anywhere in a workspace to achieve the best available wireless signal reception.

Network Security
Security is an issue when data is transmitted without the wires. In the air, transmitted data can be easily intercepted if not well protected by a security scheme. The DWL-120+ provides the necessary security, using the enhanced 64/128/256-bit industry-standard WEP (Wired Equivalent Privacy) encryption protocol.

Easy Installation
With hot swap and plug-and-play capabilities, the DWL-120+ can be easily plugged to either your notebook or desktop computer to provide connectivity to another 802.11b, 802.11b+ or 802.11g wireless enabled device (ad-hoc mode) or through an Access Point (infra structure mode).

Portable Pocket-sized
With its antenna folded up, the DWL-120+ is an attractive, portable wireless device. It can fit into your pocket or carrying case, allowing you to easily carry it around.

Key Features

- *802.11b+ wireless LAN standard*
- *2.4GHz frequency band*
- *USB 1.1 connection to notebook/desktop computer*
- *Up to 22Mbps data transfer rate*

- *Security with 64/128/256-bit WEP data encryption*
- *Supports Windows 98 SE, 2000, ME, XP*
- *Flip-up, foldable, adjustable antenna*
- *Compact pocket-sized design*

Standard
- 802.11b+ wireless LAN
- USB 1.1

Media Access Control Protocol
CSMA/CA

Network Architecture Types
- Supports Ad-Hoc and Infrastructure Modes
- Cell to cell roaming

Frequency Range
- 2.4 ~ 2.4835 GHz

Modulation Techniques
- Direct Sequence Spread Spectrum (DSSS)
- Packet Binary Convolution Coding (PBCC)

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

Data Rate & Modulation
- 22Mbps: PBCC
- 11Mbps: PBCC or CCK
- 5.5Mbps/1.5db: PBCC or CCK
- 2Mbps/3db: Barker

Operating Channels
- North America (FCC): 11
- Canada (DOC): 11
- Europe (ETSI): 13

Antennas
Integrated Microstrip dual diversity antennas

Receive Sensitivity
- 11Mbps: -84dBm @ 8% PER (packet error rate)
- 5.5Mbps: -87dBm @ 8% PER (packet error rate)
- 2Mbps: -90dBm @ 8% PER (packet error rate)
- 1Mbps: -90dBm @ 8% PER (packet error rate)

Transmit Output Power
17dBm (typical), 2.5 flatness

Operation Range (Open Environment)
- Indoors: Up to 100 meters (328 feet) *
- Outdoors: Up to 300 meters (984 feet) *

Environmental factors may adversely affect operation range

Key Management
Automatic Dynamic Key Allocation (ADKA) through public key

Data Security
64/128/256-bit WEP (Wired Equivalent Privacy) encryption

Physical & Environmental
Diagnostic LEDs
- Power
- Link/Activity

Operating Voltage
5V DC +/- 10%

Power Consumption
- Transmission: 450mA max.
- Reception: 300mA max.
- Sleep mode: 80mA max.

Power Input
USB bus power, no external AC power adapter required

Dimensions
85 (L) x 55 (W) x 14 (H) mm (3.3 x 2.2 x 0.5 inches)

Weight
544 grams (1.2 lb.)

Operating Temperature
0° - 55° C (32° - 131° F)

Storage Temperature
-20° - 75° C (-4° - 167° F)

Humidity
5% - 95% non-condensing

Emission Certification
- FCC Part 15b (Class B)
- CE Class B
- C-Tick

Software
O.S. Support
Windows 98 SE, 2000, ME, XP

Package Includes
- DWL-120+ USB adapter
- 2-meter USB 1.1 A-to-B cable
- Software driver CD
- Quick Installation Guide

ACN 052 202 838

Ordering Information

DWL-120+	802.11b+ Wireless LAN USB 1.1 Adapter

Please specify your order as follows:

DWL-120+/NA	North America frequency
DWL-120+/EU	EU frequency
DWL-120+/CN	For use in China (China packaging)
TDWL-120+	For use in Taiwan (Taiwan packaging)
CDWL-120+	For use in Canada (Canada packaging)
BDWL-120+	For use in USA (USA packaging)

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Canada	TEL: 1-905-8295033	FAX: 1-905-8295095
Europe	TEL: 44-20-8731-5555	FAX: 44-20-8731-5511
Germany	TEL: 49-6196-77990	FAX: 49-6196-7799300
France	TEL: 33-1-30238688	FAX: 33-1-30238689
Benelux	TEL: 31-10-2045740	FAX: 31-10-2045880
Italy	TEL: 39-2-2900-0676	FAX: 39-2-2900-1723
Iberia	TEL: 34-93-4090770	FAX: 34-93-4910795
Sweden	TEL: 46-(0)8564-61900	FAX: 46-(0)8564-61901
Norway	TEL: 47-22-309075	FAX: 47-22-309085
Denmark	TEL: 45-43-969040	FAX: 45-43-424347
Finland	TEL: 358-9-2707-5080	FAX: 358-9-2707-5081
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Australia	TEL: 61-2-8899-1800	FAX: 61-2-8899-1868
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India	TEL: 91-22-652-6696	FAX: 91-22-652-8914
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UAE	TEL: 971-4-3916480	FAX: 971-4-3908881
Turkey	TEL: 90-212-335-2525	FAX: 90-212-335-2500
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Brasil	TEL: 55-11-3094-2910	FAX: 55-11-3094-2921
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Taiwan	TEL: 886-2-2910-2626	FAX: 886-2-2910-1515
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RECYCLABLE
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