802.11g High-Speed Wireless Access Point

Real Throughput 10X Faster

The AirPlusG+™ DWL-2000AP+ is an enhanced high-performance 802.11g wireless Access Point for use indoors. This device supports wireless networking speeds of up to 54Mbps, while providing seamless interoperability with all existing 802.11b and 802.11b+ wireless equipment. With high data transfer rates, better security and built-in bridge function, this device is the ideal wireless solution that offers an upgrade to a fast, new technology while protecting your past investments through interoperability with your current network equipment.

Up to 54Mbps Speed on 2.4GHz Frequency Band
Providing transmission speeds of up to 54Mbps, the DWL-2000AP+ compares favorably with 802.11b devices that offer 11Mbps speed, and with 802.11b+ equipment that gives 22Mbps transmission. This enhanced speed and adoption of 2.4GHz frequency, now available for public use in most countries, plus the mobility and convenience inherent in a wireless LAN, make this device an ideal solution for bandwidth intensive WLAN applications.

Real Throughput 10 Times Faster Than 802.11b Wireless LAN
Apart from the higher theoretical network data transfer speed of 54Mbps for 802.11g against the 11Mbps for 802.11b, the DWL-2000AP+ also delivers a much faster data transmission than other wireless LAN devices. In a typical working environment with multiple users accessing the network at the same time, the DWL-2000AP+ operates at 10 times the speed of the normal 802.11b wireless LAN equipment, which is made possible by means of a turbo engine firmware inside this AP.

Compatible With 802.11b and 802.11b+
802.11g’s compatibility with existing wireless LAN standards means that you do not need to change your entire network to maintain connectivity. The DWL-2000AP+ can transmit data at up to 54Mbps when used with D-Link AirPlusXtremeG+™ and other 802.11g products.

Built-in Bridge Functions
The DWL-2000AP+ can be configured to operate in any one of the 4 modes: (1) as a wireless access point (AP), (2) a point to point wireless bridge, (3) a point to multi point wireless bridge, or (4) a wireless client. With these built-in functions, the DWL-2000AP+ gives you the flexibility to configure the device to meet your environment's requirements.

Easy Migration to Higher Bandwidth
By maintaining compatibility with your existing wireless network equipment, the DWL-2000AP+ lets you upgrade to a higher speed at the pace you want. The DWL-2000AP+ and other 802.11g standard devices can be gradually added to your network, while the rest of your older network remains perfectly connected.

Embedded DHCP Server
The DWL-2000AP+ includes an embedded DHCP server that, once enabled, will automatically assign IP addresses to wireless clients. This unique feature makes the DWL-2000AP+ an ideal solution for quickly creating and extending a wireless local area network (WLAN) in offices or other workplaces, and at trade shows and other special events.

Key Features
- 802.11g wireless LAN standard
- Up to 54Mbps data rate *
- Real throughput 10x faster than 802.11b devices **
- Compatible with 802.11b/b+ standards
- Dynamic data rate scaling at 1, 2, 5.5, 6, 9, 11, 12,18, 22, 24, 36, 48, and 54Mbps
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Stronger user-selectable 64/128/256-bit WEP data encryption
- 4 operation modes: access point, point to point wireless bridge, point to multipoint wireless bridge, wireless client
- 10/100BASE-TX LAN port with auto MDI/MDIX
- DHCP client/server
- Web-based configuration
- Management utility supports Windows 98 SE, 2000, XP, ME

* When used with other 802.11g devices
** When used with other AirPlusG+™ devices
**DWL-2000AP+**

**Technical Specifications**

**2.4GHz Wireless LAN**

**Hardware**

**Wireless LAN Standards**
- 802.11b
- 802.11b+
- 802.11g

**Data Rates**
- 802.11b: up to 11Mbps (1/2/5.5/11Mbps)
- 802.11b+: up to 22Mbps
- 802.11g: up to 54Mbps (6/9/12/18/24/36/48/54Mbps)

**Transmission Technology**
- DBPSK, DQPSK, CK, PBCC and OFDM (BPSK/QPSK/16-QAM/64-QAM)

**Data Modulation Type**
- 802.11g: 14dBm (typical)
- 802.11b: 16dBm (typical)

**Transmit Output Power**
- 1 internal embedded antenna
- 1 external dipole antenna, 2dBi Gain

**Antennas**
- 1 to 11 channels (North America)
- 1 to 13 channels (Europe)

**Operating Channels**
- 802.11b: 2.4 to 2.4835GHz

**RF Frequency Range**
- 6Mbps (OFDM): -89 dBm
- 9Mbps (OFDM): -87 dBm
- 12Mbps (OFDM): -86 dBm
- 24Mbps (OFDM): -80 dBm
- 48Mbps (OFDM): -72 dBm
- 54Mbps (OFDM): -71 dBm

**Receive Sensitivity (for 802.11b)**
- 22Mbps (PCMCIA): -80dBm
- 11Mbps (PCMCIA): -85dBm
- 5.5Mbps (PCMCIA): -87 dBm
- 2Mbps (PCMCIA): -90 dBm

**Receive Sensitivity (for 802.11g)**
- 11Mbps (OFDM): -84 dBm
- 22Mbps (OFDM): -85 dBm

**Dimensions**
- 142 x 109 x 31 mm (device only)

**Weight**
- 243 grams (device only)

**Operating Temperature**
- 0 to 55 °C

**Storage Temperature**
- 20 °C to 65 °C

**Humidity**
- 5% to 95% non-condensing

**Hardware**

**Configuration & Management**
- DHCP client/server
- Management Utility supports Windows 98SE, ME, 2000, XP
- Status log

**Configuration Reset**
- Default reset button

**Physical & Environmental**

**Power Supply**
- 5 VDC +/- 5%, 2.5A
- Through external power adapter

**Dimensions**
- 142 x 109 x 31 mm (device only)

**Weight**
- 243 grams (device only)

**Operating Temperature**
- 0 °C to 55 °C

**Storage Temperature**
- -20 °C to 65 °C

**Humidity**
- 5% to 95% non-condensing

**Regulation Compliance**
- US: FCC Part 15 Class B
- Europe: CE/R&TTE

**Box Includes**
- DWL-2000AP+ wireless LAN Access Point
- CD (includes AP Manager software, user’s manual, Quick Installation Guide, Acrobat Reader 5.0)
- Quick Installation Guide (printed)
- EU power adapter, EU frequency
- UK power adapter, EU frequency
- AU power adapter, EU frequency

**Specifications**
- Bridge: Point-to-Point, Point-to-Multi Point
- AP Client
- Standard Access Point

**Operating Modes**
- LAN
- Diagnostic LEDs
- 1 external dipole antenna, 2dBi Gain
- 1 internal embedded antenna

**Ordering Information**
- DWL-2000AP+/ANA
- DWL-2000AP+/AN
- DWL-2000AP+/EEU
- DWL-2000AP+/ENA
- DWL-2000AP+/BEU
- DWL-2000AP+/NEU
- DWL-2000AP+/CN
- TDWL-2000AP+

**Software Features**

**Operating Modes**
- Standard Access Point
- AP Client
- Bridge: Point-to-Point, Point-to-Multi Point

**Security**
- WEP user-selectable 64/128/256-bit data encryption
- MAC filtering
- SSID broadcast disable
- Wi-Fi™ Protected Access

**Diagnostic LEDs**
- Power
- LAN
- WLAN

**Ordering Information**
- DWL-2000AP+ 802.11g Wireless LAN Access Point

Please specify your model number as follows:
- DWL-2000AP+ANA US power adapter, North America frequency
- DWL-2000AP+ANA EU power adapter, EU frequency
- DWL-2000AP+ENA EU power adapter, North America frequency
- DWL-2000AP+BEU UK power adapter, EU frequency
- DWL-2000AP+NEU Australia power adapter, EU frequency
- DWL-2000AP+CN For use in China
- TDWL-2000AP+ For use in Taiwan

**Physical & Environmental**

**Power Supply**
- 5 VDC +/- 5%, 2.5A

**Dimensions**
- 142 x 109 x 31 mm (device only)

**Weight**
- 243 grams (device only)

**Operating Temperature**
- 0 °C to 55 °C

**Storage Temperature**
- -20 °C to 65 °C

**Humidity**
- 5% to 95% non-condensing

**Regulation Compliance**
- US: FCC Part 15 Class B
- Europe: CE/R&TTE

**Box Includes**
- DWL-2000AP+ wireless LAN Access Point
- CD (includes AP Manager software, user’s manual, Quick Installation Guide, Acrobat Reader 5.0)
- Quick Installation Guide (printed)
- EU power adapter, EU frequency
- UK power adapter, EU frequency
- AU power adapter, EU frequency