



DWL-900AP

The DWL-900AP Access Point with bridging capability has a detachable antenna and is manageable via SNMP.

## 11Mbps Wireless LAN Access Point with Point-to-Point bridging capability

The D-Link DWL-900AP is an IEEE 802.11b Wireless Access Point with point-to-point bridging capability that provides an easy solution for connecting two locations through a wireless connection. The DWL-900AP utilizes the 2.4 GHz Direct Sequence Spread Spectrum (DSSS) at 11Mbps with either "point-to-point bridging" or "point-to-multipoint bridging". In addition, the DWL-900AP provides an option to be configured as a client Access Point instead of a bridge. The DWL-900AP can be managed remotely via the SNMP (Simple Network Management Protocol) Manager Software. In

addition, a USB port is provided for flexibility in configuring the device.

In bridge mode, the DWL-900AP can connect directly to another DWL-900AP to extend the area of coverage for the wireless network. In a network with a DHCP server, the DWL-900AP will automatically obtain an IP address. The DWL-900AP comes with one external detachable antenna. The DWL-900AP implements 128-bit WEP encryption (Wired Equivalent Privacy) to ensure a secure data network connection.

### Key Benefits

#### Bridge

The Wireless Access Point can be used to provide access to the shared network facilities of an Ethernet LAN.

#### Wireless LAN Extension

The effective communication range of wireless workstations can be increased.

#### Improve Signal Quality

Providing a central relay station to provide a communication path for WLAN user.

#### Wireless LAN Security

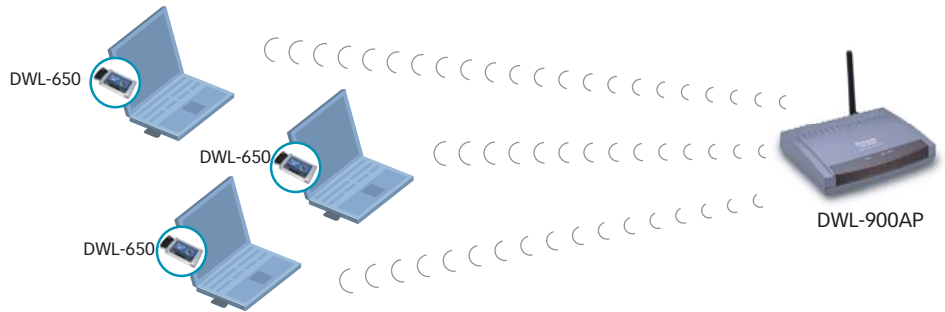
The Wireless Access Point can be configured to use encryption for improved security on a WLAN.

### Key Features

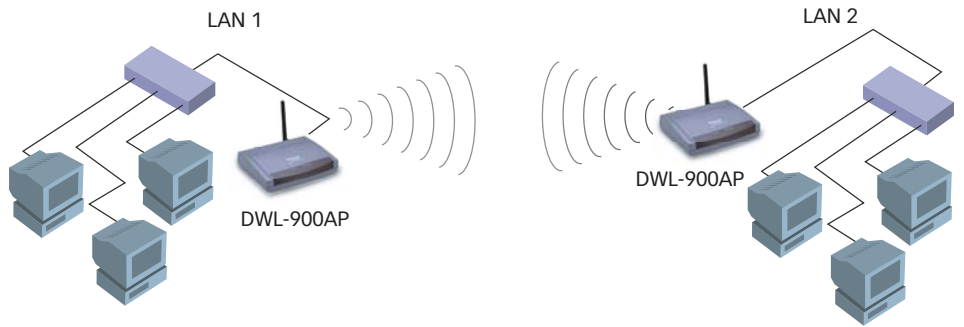
- Data transfer rates of up to 11 Mbps
- 10BaseT Ethernet port interface for bridging Wireless LAN to an Ethernet LAN
- IEEE 802.11b compatible: allowing inter-operation among multiple vendors.
- Seamless roaming for notebook computers, wireless PCs, and other computers equipped with Wireless LAN
- Built-in diagnostics including a power-up self-check
- Powerful 64 and 128-bit WEP encryption
- Dual antenna assembly with optional diversity
- Firmware can be upgraded easily in the field
- SNMP support
- DHCP support (client)
- Optional Short RF preamble
- USB Configuration



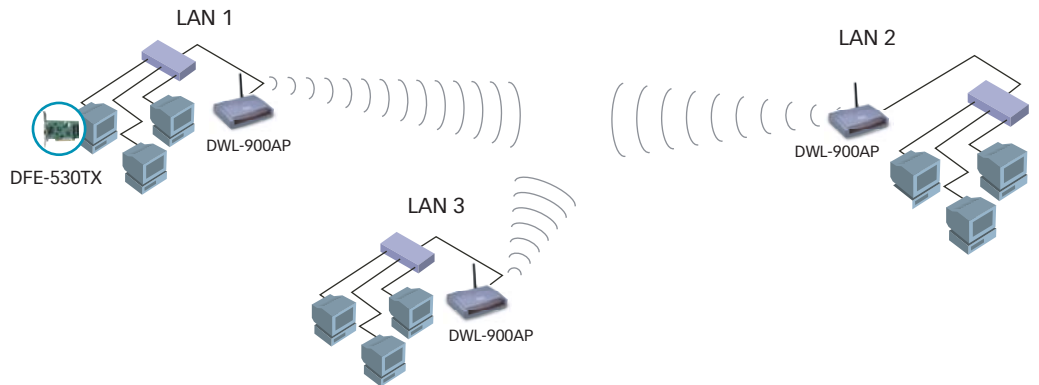
#### Access Point



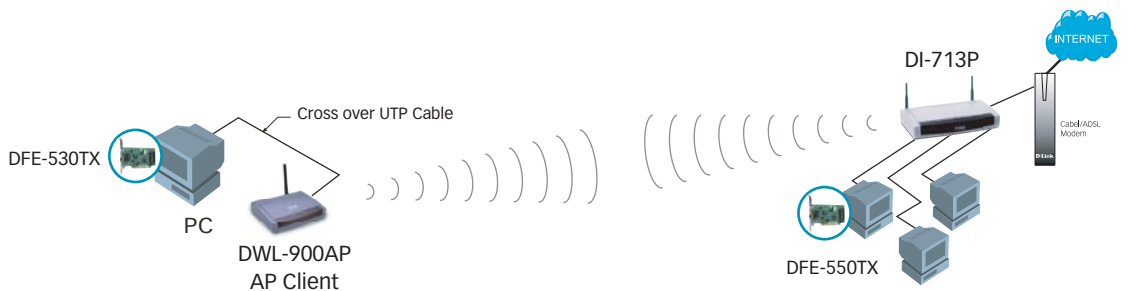
#### Wireless LAN to LAN Bridge Point to Point



#### Wireless LAN to LAN Bridge Point to Multipoint



#### Client Station (Access Point)



# DWL-900AP

## Technical Specifications

### Standards

- IEEE 802.11b (Wireless LAN)
- IEEE 802.3 (Ethernet)

### Interface

- 10Base-T Ethernet, RJ-45 connector

### Radio Frequency Range

- 2400 ~ 2497 MHz ISM band

### Modulation

- Direct Sequence Spread Spectrum

### Data Rate

- 1Mbps DBPSK, 2Mbps DQPSK, 5.5Mbps CCK, 11Mbps CCK

### Number of Channels

- 11 channels for USA
- 13 channels for Europe
- 4 channels for France

### Data Security

- 64-bit and 128-bit WEP

### Transmit Power

- 12.5dBm typical

### Receiver Sensitivity

- Typical -79dBm for 11Mbps @ 8 % PER (Packet Error Rate)

### LED Indicators

- Power : power indicator
- Link : Ethernet link indicator
- WLAN: Wireless link indicator

### Power Input

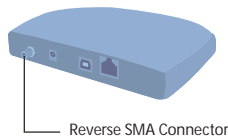
- DC 5V, 1A ~2A
- Use external AC power adapter

### Antenna

One External 2.5dB gain antenna w/ reverse SMA connector

### Operating Modes

- Access Point
  - Wireless Bridge
    - Point to Point
    - Point to Multipoint
- Client AP



### Roaming

- Among Access Points on the same subnet

### Management

- SNMP Manager to manage wireless LAN, network connection and client access control
- USB Configuration
- TFTP Client for firmware upgrade
- Set IP Session (ARP/ping)
- DHCP client

### Operating Temperature

- 0° - 55°C

## Wireless Access Point



### Storage Temperature

- 20° - 60°C

### Operating Humidity

- 10% - 90% (no condensing)

### Weight

- 217 g

### Dimensions

- 140 mm x 115 mm x 24 mm

### EMI Certification

- FCC part 15 Class B
- CE Class B

### Safety Certifications

- UL
- TUV

### Warranty

- Five Years Limited Warranty (Europe)

### Box Includes:

- One DWL-900AP
- One external antenna (2,5 dB)
- One external AC power adapter
- One power supply/cord
- One USB cable
- Printed Quick Installation Guide
- Printed Manual
- Installation CD containing manual, quick installation guide, drivers and firmware.

## Ordering Information

### Wireless LAN Access Point

**DWL-900AP** IEEE 802.11b compliant wireless access point. Optional external antennas will be available in the future.

# D-Link®

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