

DWL-1750



- Ideal for Long Range Wireless Backbone Connection
- Robust Outdoor Housing
- Enhanced Security with 802.1x and Built-in Firewall
- PtP and PtMP Bridging Modes

AirPremier

Outdoor 2.4GHz Wireless

Bridge/Router

FOR
OUTDOOR
WLAN

LONG
RANGE
CONNECTION

BUILT-IN
FIREWALL

SNMP
MANAGEMENT
SUPPORT

POWER
OVER
ETHERNET

D-Link, the industry pioneer in wireless networking, now offers economical wireless outdoor solutions. The D-Link AirPremier DWL-1750 is a 2.4GHz wireless bridge/router that conforms to IEEE 802.11b standards. The DWL-1750 can operate as a point-to-point (PtP) or a point-to-multipoint (PtMP) bridge with static routing ability to link networks in different buildings. The D-Link AirPremier DWL-1700AP is ideal for broadband telecommunication providers and enterprises to create wireless backbone networks.

The D-Link AirPremier DWL-1750 is designed for harsh outdoor environments. With die-cast watertight housing and built-in lightning protector (surge arrester), the DWL-1750 is the most robust outdoor wireless bridge/router for enterprise networks on the Wireless LAN market. It includes cost-effective Power over Ethernet (PoE) and unique outdoor remote-mounted design for easy installation. With a one-meter RF cable needed between the DWL-1750 and the external antenna, the DWL-1750

is a cost-effective pure outdoor solution for long distance communications. D-Link also provides a variety of outdoor antennas to make the DWL-1750 operate up to 3.48 miles (5.6Km) according to FCC regulation in US. The DWL-1750 is great for use in severe environments such as manufacturing plants, industrial locations, military bases, airports, golf courses, and other outdoor Wireless LAN applications.

The DWL-1750 has MAC address based access control and many other features for stronger security. With a built-in firewall, the DWL-1750 can work as a NAT inbound virtual server and provides IP based access control. Denial of Service (DoS) protection is also included with the DWL-1750 to prevent your wireless network from being hack. The DWL-1750 is easy to be managed by web-based user interface, telnet, and RS-232 console configuration. SNMP (MIB I & MIB II) support makes DWL-1750 great for enterprise wireless network management.

Air Premier

Outdoor 2.4GHz Wireless

Bridge/Router



DWL-1750

SPECIFICATIONS

Standards:

- IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)

Frequency Range:

- 2.4-2.497MHz ISM band

Regulation Certifications

- FCC Part 15
- ETSI 300/328

Data Rate & Modulation:

- 11Mbps (CCK)
- 5.5Mbps (CCK)
- 2Mbps (DQPSK)
- 1Mbps (DBPSK)

Transmit Power (excluding external antenna)

- 20dBm (100mW typically)

Receiver Sensitivity:

- < -84dBm @11Mbps
- < -90dBm @2Mbps

RF Connector:

- Proprietary N-type (Reverse Polarity)

Interface:

- 1 ports 10Base-T/100Base-TX Ethernet for WAN/LAN
- UART for console

Protocol Supported:

- TCP/IP
- NAT/NAPT

Virtual Server (NAT inbound server)

- DHCP client/server
- PPPoE
- Static Routing
- Ethernet Bridging

Security:

- 64/128-bit WEP (RC4)
- MAC address based access control
- 802.11b SSID hidden
- Denial Wireless 802.11b "ANY" station
- PPPoE authentication PAP/CHAP

Firewall:

- Built-in NAT firewall
- IP based Access Control
- Denial of Service (DoS) protection

Device Management:

- Web-based manager
- Console (RS-232) configuration
- SNMP MIB I & MIB II

Firmware Upgrade:

- TFTP (Transparent FTP)
- Xmodem & 1K Xmodem

Lightning Protector Surge Current:

- 20KA

Power Supply (PoE):

- Input: 100~240V AC 50~60Hz
- Output: -48V DC 0.7A

FCC Operating Range:

- Up to 3.48miles (5.6Km)

Operating Temperature:

- -20~70°C (-4~158°F) in operating
- -40~80°C (-40~176°F) in storage

Humidity (non-condensing)

- 5% to 95% typical
- All-weather enclosure

Dimensions

- L = 9.57 inches (243mm)
- W = 7.87 inches (200mm)
- H = 3.03 inches (77mm)

Package Total Weight

- 16.53Lb (7.5kg)

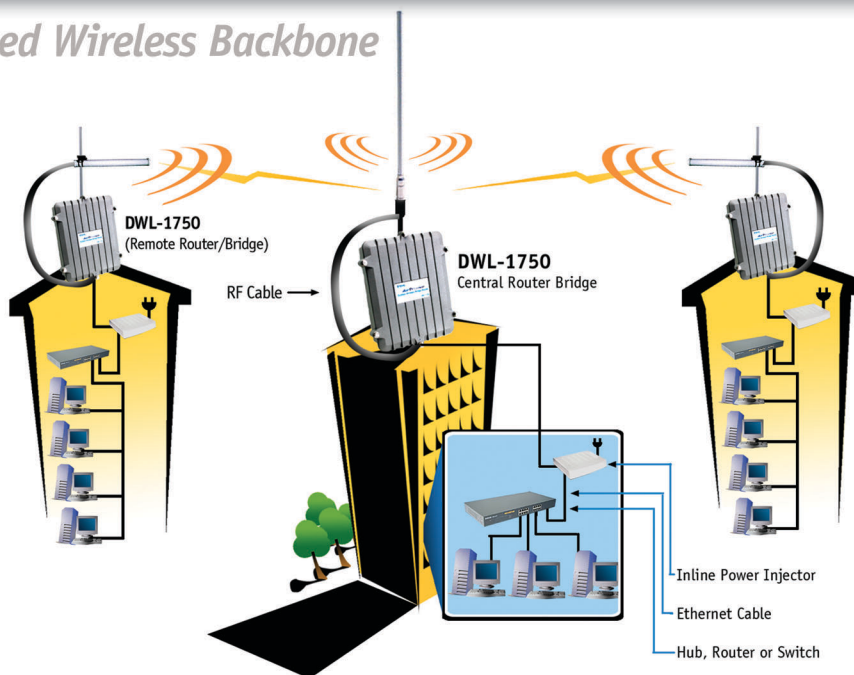
Package Contents:

- DWL-1750 Unit
- Ethernet Inline Power Injector
- 1m Low Loss RF Cable
- 30m MIL-C-5015 style Ethernet Cable
- 2m Uplink RJ-45 Ethernet Cable
- 2m MIL-C-5015 style RS232 Configuration Cable
- User's Manual CD
- Mast Mounting Bracket with U-bolts
- Wall Mounting Bracket with screws

Warranty

- 1 Year

Fixed Wireless Backbone



Advanced Firewall Features

Built-in NAT firewall	✓
IP based Access Control	✓
Denial of Service (DoS) Protection	✓
MAC Filtering	✓
Scheduling	✓



D-Link Systems, Inc. 53 Discovery Drive Irvine CA 92618 www.dlink.com

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*24/7 Tech Support is available only in USA.

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Building Networks for People