802.11b Outdoor Bridge/Router

Long Range Wireless Backbone Connection

The D-Link AirPremier DWL-1750 offers an economical wireless outdoor solution. This 2.4GHz wireless bridge/router conforms to IEEE 802.11b standards and 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. It is an ideal solution for broadband telecommunication providers and enterprises to create wireless backbone networks.

Designed for Outdoor Environments
The 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.

Features
- 802.11b DSSS 2.4GHz standard
- Up to 11Mbps data transfer rate
- Rugged outdoor environment design
- Long range outdoor wireless connection
- Built-in Power Over Ethernet
- Point to Point and Point to Multi-Point bridging modes
- Data security with standard-based WEP encryption
- Built-in firewall protection
- Web-based, Telnet configuration/SNMP management

Enhanced Security
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.

Versatile Management Capability
The DWL-1750 can be easily configured and managed via a web-based user interface, telnet or the built-in RS-232 console port. SNMP support with built-in MIB-I and MIB-II makes the DWL-1750 great for enterprise wireless network management.
**DWL-1750**

**2.4GHz Wireless LAN**

**Technical Specifications**

**Standard**
- IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)

**Interfaces**
- 10BASE-T Ethernet port for WAN to LAN connection
- UART for console port

**Frequency Range**
- 2.4 - 2.497GHz ISM band

**Data Rate & Modulation**
- 11Mbps (CCK)
- 5.5Mbps (CCK)
- 2Mbps (DQPSK)
- 1Mbps (DBPSK)

**Receiver Sensitivity**
- < -84dBm @11Mbps
- < -90dBm @2Mbps

**Transmit Output Power (excluding external antenna)**
- 20dBm (100mW typically) (EU frequency)
- 23dBm (200mW typically) (North America frequency)

**RF Connector**
- Proprietary N-type (Reverse Polarity)

**Operating Range (FCC)**
- Up to 3.48miles (5.6Km)

**Protocols Supported**
- TCP/IP
- NAT/NAPT
- DHCP client/server
- PPPoE
- Static Routing
- Ethernet to Wireless Bridging

**Security**
- 64/128-bit WEP (RC4)
- MAC address based access control
- 802.11b SSID hidden
- 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

**Operating Temperature**
- -20° to 70° C (-4° to 158° F)

**Storage Temperature**
- -40° to 80°C (-40° to 176° F)

**Humidity (non-condensing)**
- 5% to 95% typical

**Dimensions**
- 243 (L) x 200 (W) x 77 (H) mm
- 9.57 x 7.87 x 3.03 inches

**D-Link Corp.**

**Package Total Weight**
- 7.5 kg (16.53 lb)

**Regulation Certifications**
- FCC Part15
- ETSI 300/328

**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

**Ordering Information**

**DWL-1750**
802.11b Outdoor Bridge/Router

Please specify your order as follows:

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<tr>
<th>Order Code</th>
<th>Description</th>
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<tr>
<td>DWL-1750/ANA</td>
<td>US standard power adapter, North America frequency</td>
</tr>
<tr>
<td>DWL-1750/BEU</td>
<td>UK standard power adapter, EU frequency</td>
</tr>
<tr>
<td>DWL-1750/EEU</td>
<td>EU standard power adapter, EU frequency</td>
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<tr>
<td>DWL-1750/CN</td>
<td>China standard power adapter, China frequency</td>
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