



## WH-5400G-30

### 802.11g Wireless Outdoor 30dBm Bridge

The AirLive WHB-5400G-30 is the 802.11g outdoor bridge operating at the 2.4Ghz spectrum. Enclosed in water tight aluminum housing, the outdoor bridge can deliver 22Mbps\* OFDM speed at over 10km distance. (depending on antenna used). So users can building network connection wirelessly at 2 to 3 times the speed of 802.11b outdoor solution. All model includes a complete Power over Ethernet package with a 25 meter water-proof cable and DC injector unit. Therefore you can use indoor power source and install the outdoor unit within close distance to antenna for minimum cable signal loss.

#### Web and SNMP management

The versatile combination of Web and SNMP management creates an easy but powerful management environment.

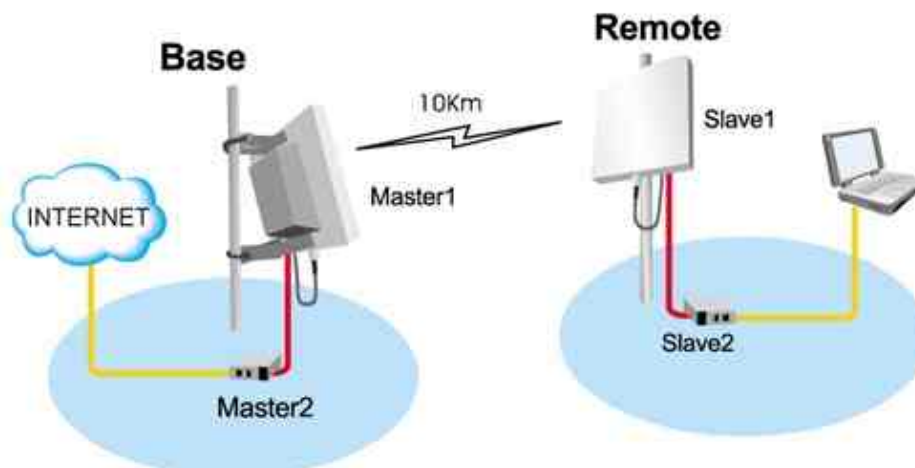
The SNMP utility's kick Start function allow users to search for IP address of the Bridge. The utility also includes a built-in file transfer function to make antenna alignment simple. The Auto Learning Bridge function search for the MAC address of adjacent Bridge automatically. Data security is protected by the WEP, WPA, and MAC access control.

#### Point-to-point Mode

Bridges in point-to-point mode connect two networks in different locations through a single wireless link. This allows two widely separated sites to share resources, including a single high-speed connection to the Internet wide area to share resources, including a single high-speed connection to the Internet.



#### Point to Point





### Point-to-Multipoint Mode

Bridges in point-to-multipoint mode connect three or more networks in scattered buildings through wireless links. This allows numerous sites in a



### Data and Voice

With Air Live AirLive outdoor device, you can setup wireless connection over long distance not only for data transmission only. Together with our VoIP gateway, you can even transmit voice wirelessly. This is the optimal solution for institution, corporation, or ranches to build the voice and data networks. Why pay more for dedicated lease line? Visit your authorized AirLive dealer today.

\*Note: The WHB-5400G achieves 22Mbps over long distance, but not 54Mbps OFDM. That means the speed is roughly twice of the regular 802.11b speed. The minimum distance required is 3 km for this model.

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### Specification

#### Standard

- IEEE 802.11g/b Compliant

#### Superior Coverage

- Advanced radio technology provides outstanding performance at distances over 30 km (18 miles) DSS and over 10km distance OFDM (Maximum distance depends on choice of antenna.)
- Retain Superior receiver sensitivity enhances pickup of weak data signals over greater distances.
- Rugged design proven in outdoor installations in locations affected by wind, rain, and snow.

#### Remote Configuration

- Allows administrators to manage the bridge from anywhere on the network.
- DHCP client support: automatically obtains a new IP address from a DHCP server.
- Bulk configuration: automatically propagates configuration settings to multiple bridges on the same subnet.

#### Security

- WEP (Wired Equivalent Privacy): 64- and 128-bit
- WPA encryption
- SNMP access control: SNMP authentication prevents tampering with bridge settings.

#### Outdoor Protection

- The Outdoor Protection Package allows the bridge to be located outdoors, where it may be subjected to wind, rain, and snow.

#### Power Over Ethernet

- PoE reduces power-cable installation expenses and increases location options by carrying both data and power to the bridge through a single Ethernet cable.

#### Transmission Power

- 30dBm(1W)

#### Transmission Rates

- 11, 5.5, 2, and 1 Mbps, with auto fallback
- 11g Orthogonal Frequency Division Multiplexing (64QAM, 16QAM, QPSK, BPSK)
- Direct Sequence Spread Spectrum (DSSS) Frequency Band, 2.4 GHz

#### Transmitter Characteristics

- Frequency stability: within 25 ppm

#### Receiver Sensitivity

- -100dBm



## Specification

### Antenna

- The Bridge/AP utility performs intelligent antenna alignment monitoring for quick, convenient, and accurate alignment.

### Management

- Full-featured Windows-based SNMP software included
- Auto IP address assignment - automatically assign itself a new IP address should the DHCP server fail.
- Bridge discovery - allows quick location of all AirLive bridges for centralized management.
- Protocol filtering: saves bandwidth and increases security by preventing the bridge from transmitting specified protocols from the wired Ethernet LAN into the wireless zone.
- Trap server: with auto-notification, network administrators can easily monitor operating conditions and take preventive action to ensure maximum network uptime.

### Software Support

- kick start auto Bridge search
- Web Management Interface
- SNMP-based network management tools for Microsoft Windows included
- MIB I and MIB II support, bridge discovery, protocol filtering, trap management, firmware upgrades.

### Environmental Requirements

- Operating Temperature: -20o to 70oC  
Storage Temperature: -30o to 80oC  
Humidity: 5% to 95%, non-condensing

### Dimensions & Weight

- 165 X135 X 100 mm (2kg)

### Power

- Input voltage 12V DC; external power supply
- included (input voltage 100V to 240V AC)

### Regulatory Approval

- FCC, CE, Japan, Telec (1100 and 1120 series)

### Operating Environments

- Windows 98, Me, NT 4.0 (SP4 or above), 2000, XP
- Any platform with web browser capability

## Ordering Information

**AirLive WHB-5400G-30**

30dBm 802.11g Outdoor Bridge