

## WH-5410G

### 802.11g Wireless Outdoor Access Point/Bridge

The AirLive Outdoor family is the most complete outdoor wireless solution in the industry. They allow transmission distance up to over 30 kilometer(802.11b mode) in open space. Every model is constructed of rock solid weather-proof cast aluminum to operate in the most extreme environment. 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.



#### 802.11G Outdoor

The WH-5410G are a family of the latest outdoor multi-function outdoor AP from Air LiveLink. Using the High Performance Atheros SuperG chipset, users can change between AP, Client, and WDS Bridge/Repeater mode through the he easy- to-use Web management interface. The unique IP Finder utility helps users to find the AP's IP address when putting the AP in DHCP client mode. The AP supports WPA mode for extra security. In addition, ACK timeout value are adjustable according to distance to ensure optimal throughput at various distances.

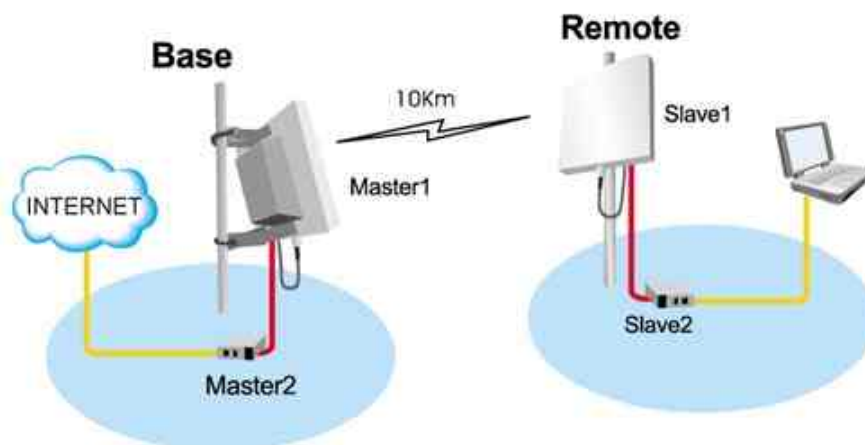
#### 20, 27, or 30dBm

The WH-5410G are available in 3 different models according to power configurations. The WH-5410G-20 has 20dBm power ,and is CE compliant. The WH-5410G-27 has 27dBm(500mW) output for extended distance. The WH-5410G-30 is equipped with ultra high 1Watt (30dBm) output power.

#### Point-to-point Mode

WDS 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.

#### Point to Point

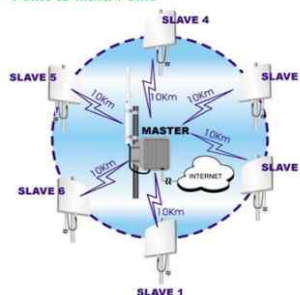


### Point-to-Multipoint Mode

WDS Bridges in point-to-multipoint mode connects up to 8 networks in scattered buildings through wireless links. This allows numerous sites in a wide area to share resources, including a single high-speed connection to the Internet.

The AP model allows the WISP, Hotel, Resort, or Campus to provide internet access over wide area wirelessly. The bridge models are for wireless building-to-building network application. It delivers higher transmission rates than an E1 or T1 line, and eliminates the inconvenience of installing expensive leased line or fiber-optic cable

Point to Multi-Point



### Specification

#### Standard

- IEEE 802.11g and 802.11b Compliant

#### Superior Coverage

- Advanced radio technology provides outstanding performance at distances over 20 km distance(802.11b) or over 5km distance (802.11g). (Maximum distance depends on choice of antenna.)
- 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.
- IP Finder Utility: Finding AP's IP address when AP is in DHCP mode.

#### Security

- WEP (Wired Equivalent Privacy): 64- and 128-bit
- WPA (WiFi Protected Access)

#### Management

- Web Base Management
- Interchange between AP, Client, and WDS modes
- Site Survey
- DHCP Client
- WPA Support (WPA personal and enterprise)
- Windows "Locator" program to help find IP in DHCP client mode
- Firmware upgrade and configuration backup via Web
- Reset to default by WebUI

#### 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

- WH-5410G-20: 20dBm
- WH-5410G-27: 27dBm
- WH-5410G-30: 30dBm

#### Transmission Rates

- 11, 5.5, 2, and 1 Mbps, with auto fallback
- Direct Sequence Spread Spectrum (DSSS) Frequency Band, 2.4 GHz

#### Transmitter Characteristics

- Frequency stability: within 25 ppm

#### Receiver Sensitivity

- -88dBm @ 11Mbps, PER < 8%
- -74dBm @ 54Mbps, PER < 10%

#### Environmental Requirements

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

#### Dimensions & Weight

- 165 X 135 X 55 mm (1.13kg)

#### Power

- Input voltage 12V DC @ 2A; external power supply included (input voltage 100V to 240V AC)

#### Regulatory Approval

- FCC, CE (WH-5410G-20 only)

#### Operating Environments

- Windows 98, Me, NT 4.0 (SP4 or above), 2000, XP

#### Outdoor Protection

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

### Ordering Information

WH-5410G-20	20dBm(100mW) 802.11g Outdoor Multifunction AP
WH-5410G-27	27dBm(500mW) 802.11g Outdoor Multifunction AP
WH-5410G-30	30dBm(1 Watt) 802.11g Outdoor Multifunction AP

Manufacturer

**OvisLink Corp.**

[www.airlive.com](http://www.airlive.com)