

WH-5800

5.8GHz Outdoor Wireless Bridge

The WHB-5800 wireless bridge allows you set up wireless outdoor connection without the interferences in the crowded 2.4Ghz spectrum.

Running your 802.11b Network in the uncrowded 5.8Ghz spectrum allow you to have a stable Wi-Fi connection over long distance.

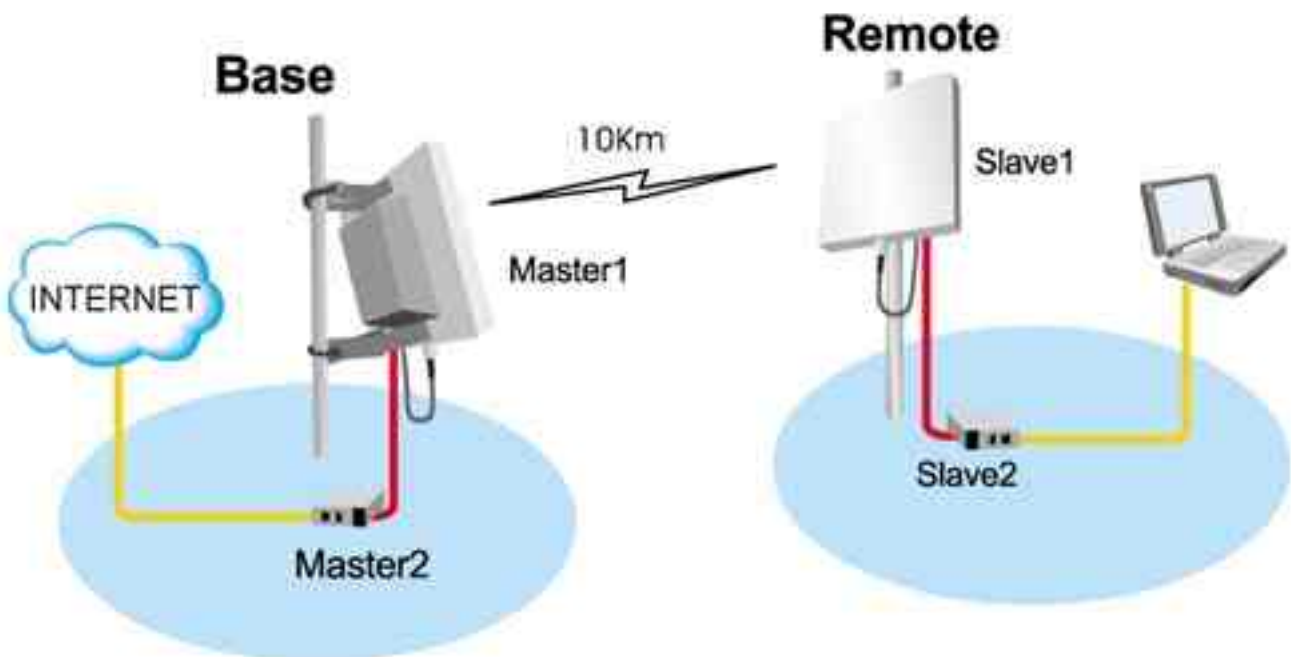
Equipped with a cast aluminum water and shock proof enclosure, the WHB-5800 can operate in all kinds of weather condition. With 500mW(27dBm) of power, it reach distance of over 16 kilometers in open space when used with our WAE-5822GR antenna.

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 wide area to share resources, including a single high-speed connection to the Internet.



The unit 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 connect to network indoor. The outdoor unit can be installed within close distance to antenna for minimum cable signal loss.

The easy-to-use SNMP management utility include a built-in file transfer function to make antenna alignment simple. Data security is protected by the WEP, MAC access control and 802.1x functions.

The WHB-5800 is ideal for deployment in office buildings, farm ranch, resort, and campus environments. Users no longer have to pay high price for dedicated lease line or fiber optic cabling. With Air Live wide range of wireless accessories and expertise in outdoor solution, you can confident with Air Live's outdoor wireless solution



Note: Please check whether operation in the 5.8Ghz is allowed in your country

Recommended Antenna

WAE-5822GR: 5.8GHz 22dBi Grid Antenna	
Frequency	5725~5850 Mhz
Gain	22dBi
Horizontal Coverage	13 degree
Vertical Coverage	10 degree
Front to Back Ratio	25dB
Impedance	50 Ohm
Max Input Power	20dBm (100mW)
VSWR	<1.5:1 Average
Connector	N-type Female
Weight	1.4kg
Dimension	11.8" (300 mm) x 15.7" (400 mm)
Mounting	2 in. (50.8 mm) diameter mast max.
Elevation Angle	0 to +15°
Operating Temperature	-45° C to +85°





Specification

Standard

- IEEE 802.11b
- Operate in 5.8GHz Spectrum

Superior Coverage

- Advanced radio technology provides outstanding performance at distances over 30 km (18 miles). (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.
- Bulk configuration: automatically propagates configuration settings to multiple bridges on the same subnet.

Security

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

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 OvisLink 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.

Operating Frequency Range

- 5728 ~ 5812MHz

Transmission Power

- 27 Bm

Frequency response flatness

- 2.0dB (5728 ~ 5812MHz)

Switching Time

- 1 micro-second

Connector

- 50 ohm N-type female (Antenna port)
- Water Proof Power Over Ethernet Connector.

Transmission Rates

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

Transmitter Characteristics

- Frequency stability: within 25 ppm

Receiver Sensitivity

- -87 dBm

Package content

- Outdoor Bridge Unit
- 25m Power Over Ethernet Cable
- DC Injector Unit
- Power adapter
- Mounting Kits

Software Support

- 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)



Specification

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.

Power

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

Operating Environments

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

Ordering Information

AirLive WHB-5800 5.8GHz Wireless Outdoor Bridge