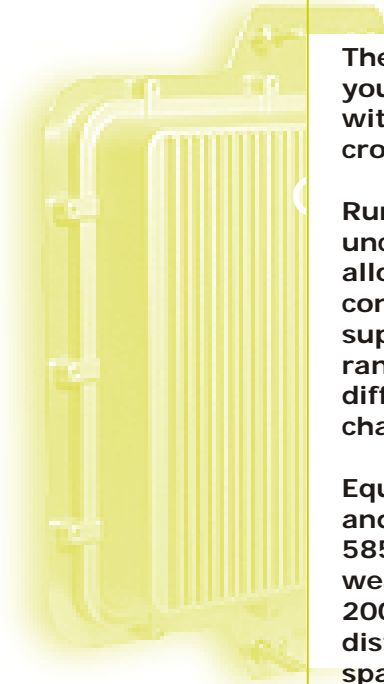




AirLive WHB-5854A

5~5.8GHz 802.11a Outdoor Wireless Bridge



The WHB-5854A wireless bridge allows you set up wireless outdoor connection without the interferences in the crowded 2.4Ghz spectrum.

Running your 802.11a Network in the uncrowded 5Ghz ~ 5.8Ghz spectrum, it allow you to have a stable Wi-Fi connection over long distance. It supports all 3 segments of frequency range so optimal compliance in different region. The frequency range is changeable through the web interface.

Equipped with a cast aluminum water and shock proof enclosure, the WHB-5854A can operate in all kinds of weather condition. With up to 200mW(23dBm) of power, it reach distance of over 10 kilometers in open space when used with our WAE-5822GR antenna. For CE compliance, it can be tuned to work within the 100mW restriction of the standard.

Features Summary

- 54Mbps 802.11a Outdoor Bridge
- Aluminum Waterproof Enclosure with Mounting
- Complete Power over Ethernet
- Web or SNMP management

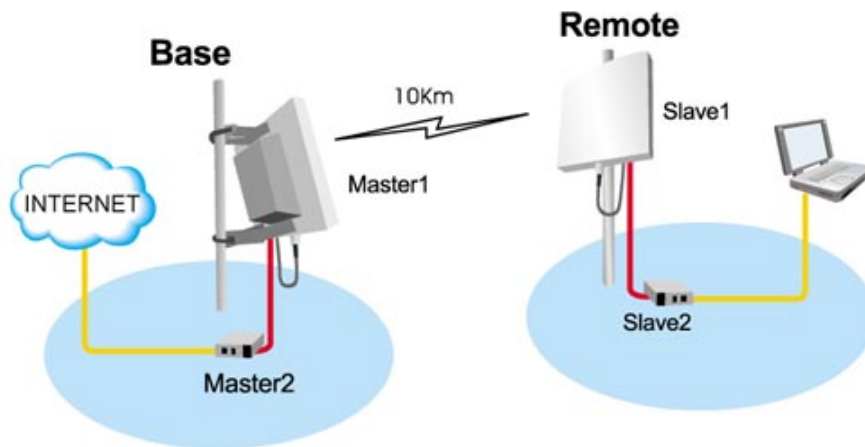


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Point-to-point Mode

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.

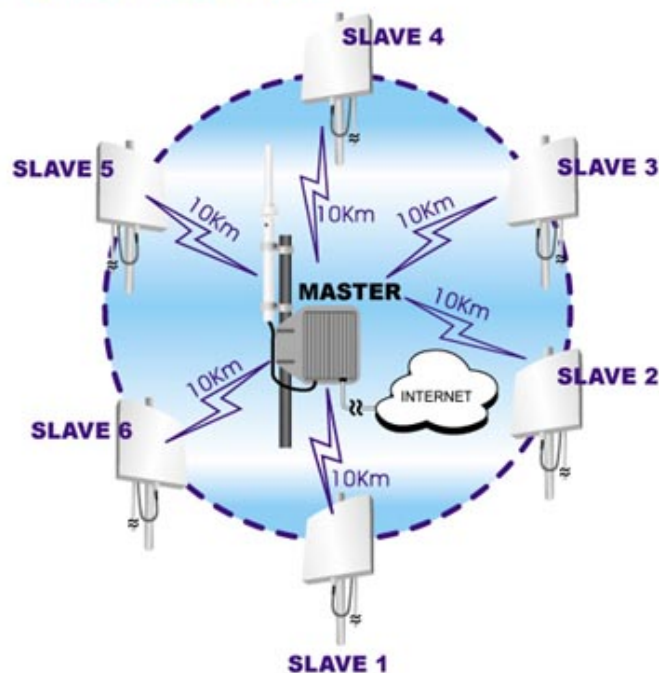
Point to Point



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.

Point to Multi-Point



Auto IP assignment and management

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 Web management interface features Auto Bridge learn and auto IP assignment for simple installation. Data security is protected by the WEP or MAC access control functions.

The WHB-5854A 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 OvisLink's wide range of wireless accessories and expertise in outdoor solution, you can confident with OvisLink'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 Avg
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:

<p>Standard</p> <ul style="list-style-type: none"> • IEEE 802.11a • Operate in 5~5.8Ghz Spectrum <p>Superior Coverage</p> <ul style="list-style-type: none"> • Advanced radio technology provides outstanding performance at distances over 20 km (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. <p>Remote Configuration</p>	<p>Operating Frequency Range</p> <ul style="list-style-type: none"> • 5.125~5.350Ghz, • 5.470~5.750GHz • 5.725 ~ 5.85GHz <p>Transmission Power</p> <ul style="list-style-type: none"> • 6~18Mbps: +20dBm or +23dBm • 24~36Mbps: +18dBm • 48~54Mbps: +16dBm <p>Receiver Sensitivity</p> <ul style="list-style-type: none"> • 6Mbps: -88dBm • 12Mbps: -87dBm • 18Mbps: -84dBm • 24Mbps: -81dBm; • 36Mbps: -76dBm • 48Mbps: -72dBm
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- Allows administrators to manage the bridge from anywhere on the network.
- DHCP client support: automatically obtains a new IP address from a DHCP server. If no DHCP server is found, automatic IP assignment allows access through fixed IP.
- 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

- 54Mbps: -68dBm

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

- 54/48/36/24/18/12/6Mbps auto fallback

Transmitter Characteristics

- Frequency stability: within 25 ppm

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

<p>maximum network uptime.</p> <p>Outdoor Protection</p> <ul style="list-style-type: none">• The Outdoor Protection Package allows the bridge to be located outdoors, where it may be subjected to wind, rain, and snow. <p>Power Over Ethernet</p> <ul style="list-style-type: none">• PoE reduces power-cable installation expenses and increases location options by carrying both data and power to the bridge through a single Ethernet cable.	<p>condensing</p> <p>Dimensions & Weight</p> <ul style="list-style-type: none">• 165 X135 X 100 mm (2kg) <p>Power</p> <ul style="list-style-type: none">• Input voltage 48V DC; external power supply included (input voltage 100V to 240V AC) <p>Operating Environments</p> <ul style="list-style-type: none">• Any OS that support Web UI
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Ordering Information:

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