Bridge AP Start Guide

CONTENTS

About This Guide

Omada offers scenario-based access points for different kinds of environments. This document offers startup guidance for the Indoor/Outdoor Wireless Bridge (hereinafter referred to as Bridge AP), including a detailed hardware overview and quick references for hardware installation and software configuration.

Related Documentation

The Quick Installation Guide can be found in the product packaging and on the Product Support page: https://support.omadanetworks.com/product/

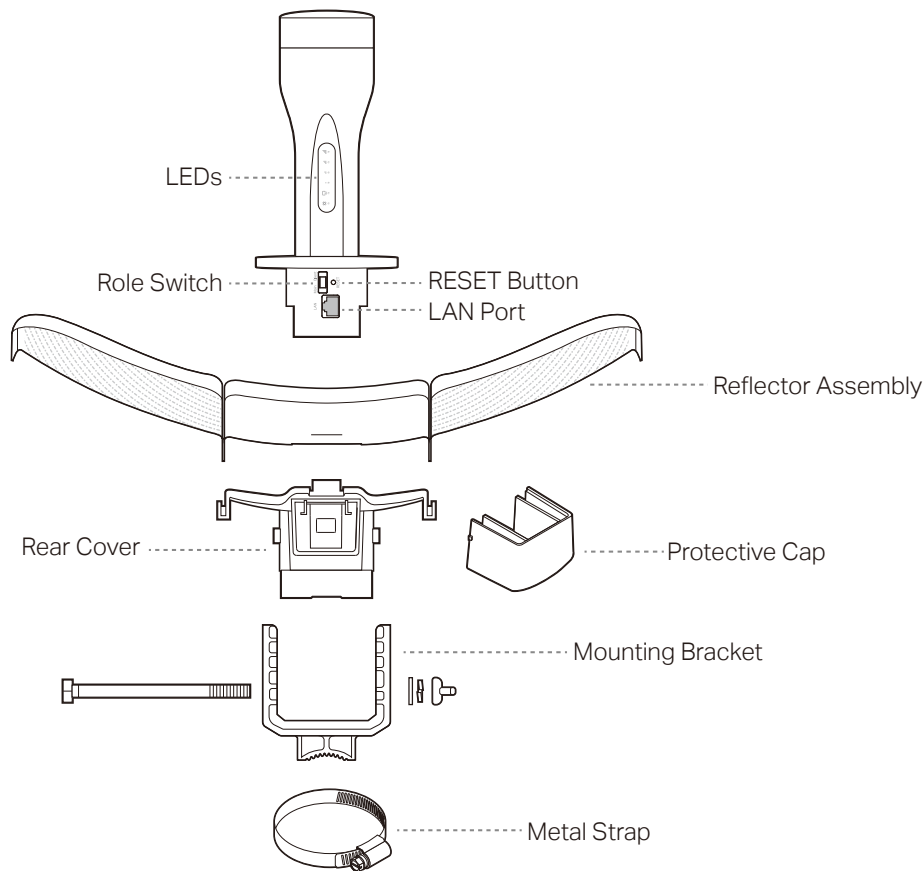The latest Regulatory Compliance document, Omada Access Point User Guide, and Omada Controller User Guide can be found on the Documents page: https://support.omadanetworks.com/document/

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Hardware Overview

This chapter provides a detailed hardware overview of the Bridge AP.

LEDs

Role Switch — RESET Button
— LAN Port

Reflector Assembly

Rear Cover — Protective Cap

Mounting Bracket

Metal Strap

LED Explanation

The Bridge AP is equipped with a system LED, a LAN LED, and four Signal LEDs that indicate the status of the device.

LED	Indication
System LED	**On:** Working normally/Initializing
	Off: Working abnormally/Power off/LED is turned off.
	Flash:
	• **Flashes twice:** Initialization is complete.
	• **Flashes quickly:** The AP is resetting, or the Omada Controller is locating the device.*
	• **Flashes once per second:** The AP is upgrading.
	• **On with periodic off:** The AP is in the isolated state.

LAN LED	**On:** The port is connected, but not active.
	Flash: The port is connected and active.
	Off: The port is not connected.
Signal LEDs	**Working as Main AP:**
	All LEDs remain solid on.
	Working as Client AP:
	More lit LEDs indicates better wireless signal strength.

* When the Locate feature is activated in the Omada Controller, the LED will flash quickly for 10 minutes to help you locate and identify the device. You can disable this feature manually to stop the device from flashing.
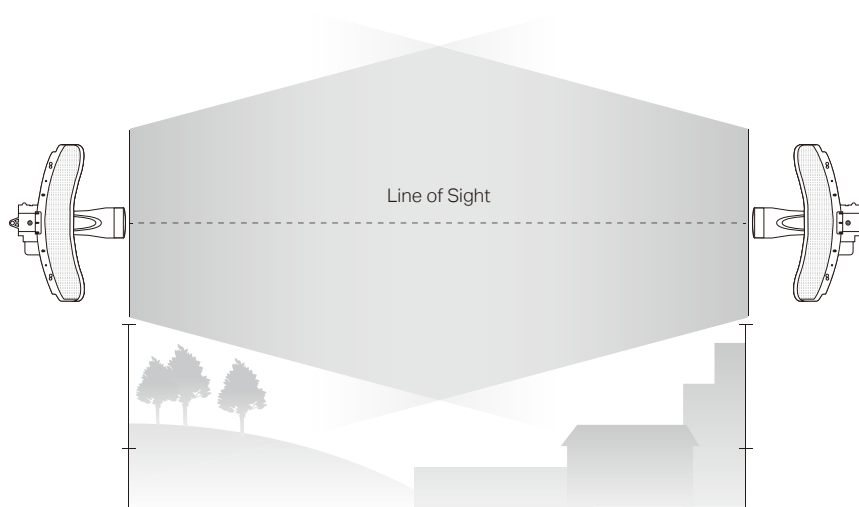
Buttons & Ports

Item	Description
Role Switch (Main/Client)	Distinguishes whether the AP works as the Main AP or Client AP. If needed, you can toggle left or right to change the AP's role.
LAN Port	Connect to a passive PoE adapter or a PSE device (such as a PoE switch) for both data transmission and power supply.
RESET Button	Press and hold for about 5 seconds to reset the AP to its factory default settings.

Hardware Installation

Mounting Height

Ensure a clear line of sight between the wireless devices for optimal performance. An elevated location is recommended as obstacles like trees, buildings and large steel structures will weaken the wireless signal.
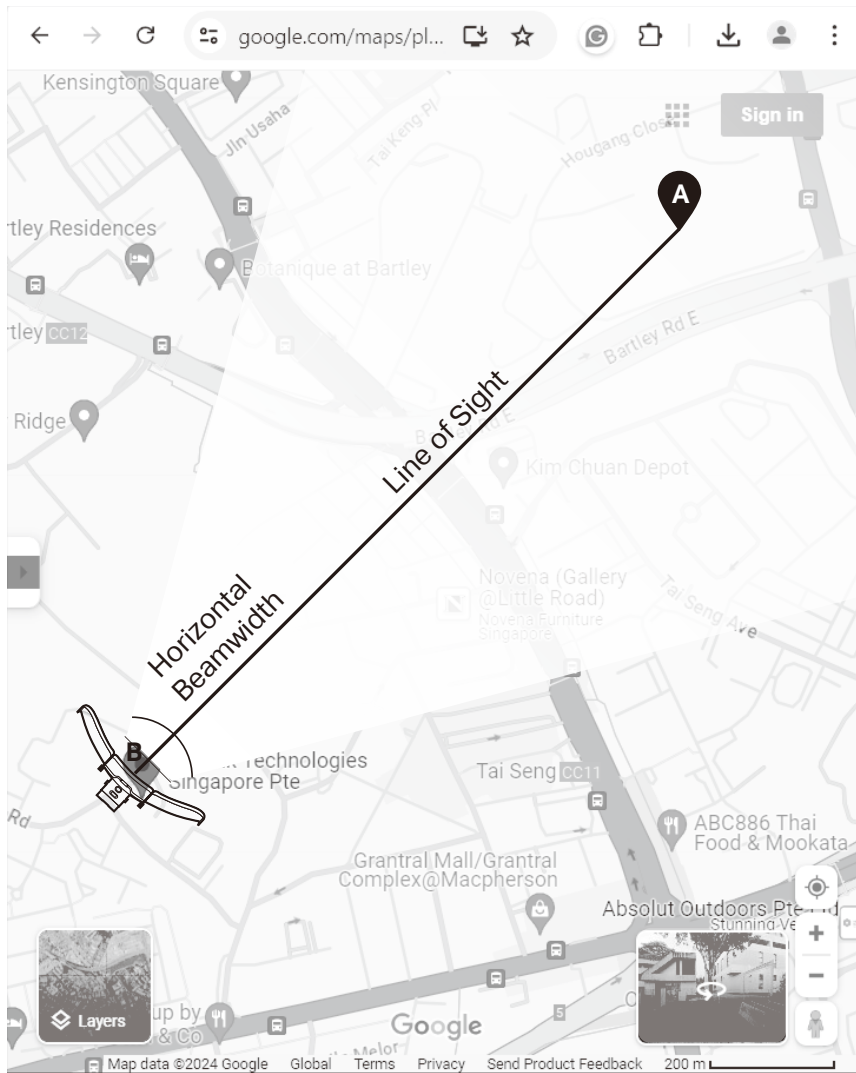

Line of Sight

Side View

Orientation

Install the AP with the front facing the target area. For antenna and horizontal beamwidth details, refer to the product datasheet on our official website.

For long-range AP models, you can orient the APs with the assistance of Google Maps, GPS, and some landmarks.
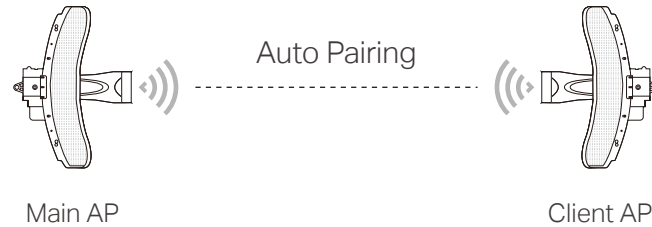
Installation

Bridge APs can be mounted to outdoor poles and serve as network bridges, ideal for long-distance wireless transmission.

This chapter provides quick references for hardware installation. You can follow the Quick Installation Guide to install the Bridge AP using the accessories in the product packaging.

The Quick Installation Guide can be found in the product packaging and on the Support page of your model at https://www.omadanetworks.com/business-networking/omada-wifi-wireless-bridge/.

Auto Pairing

The Main AP and Client AP in the same kit will automatically form a bridge network after powering on.

Main AP   Client AP

Notes:

- Check the role switch to ensure you have connected the Main AP and Client AP in the network correctly. You can toggle the role switch to change the AP's role if needed.

- The default SSID on the product is only for device access and management. If you need an SSID to access the internet and service networks, refer to the Network Management section to set up the AP.

- In a network without a DHCP Server, Bridge APs will use the following DHCP fallback IP addresses:

  Main AP: 192.168.0.254

  Client AP: 192.168.0.253

Network Management

Omada EAPs offer wireless coverage solutions for small to medium-sized businesses and households. They can work independently as standalone APs or be centrally managed via an Omada Controller, delivering a flexible, feature-rich, and easy-to-configure wireless network.
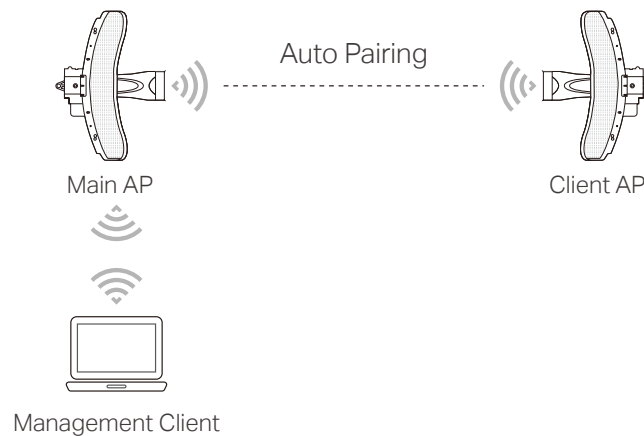
Get Started

Choose a method to set up your Bridge APs:

• **Method 1: Standalone Mode**

Configure and manage Bridge APs through the Main AP.

Note: The figure below uses EAP220-Bridge KIT for demonstration. Other types of Bridge APs can be used in a similar manner.
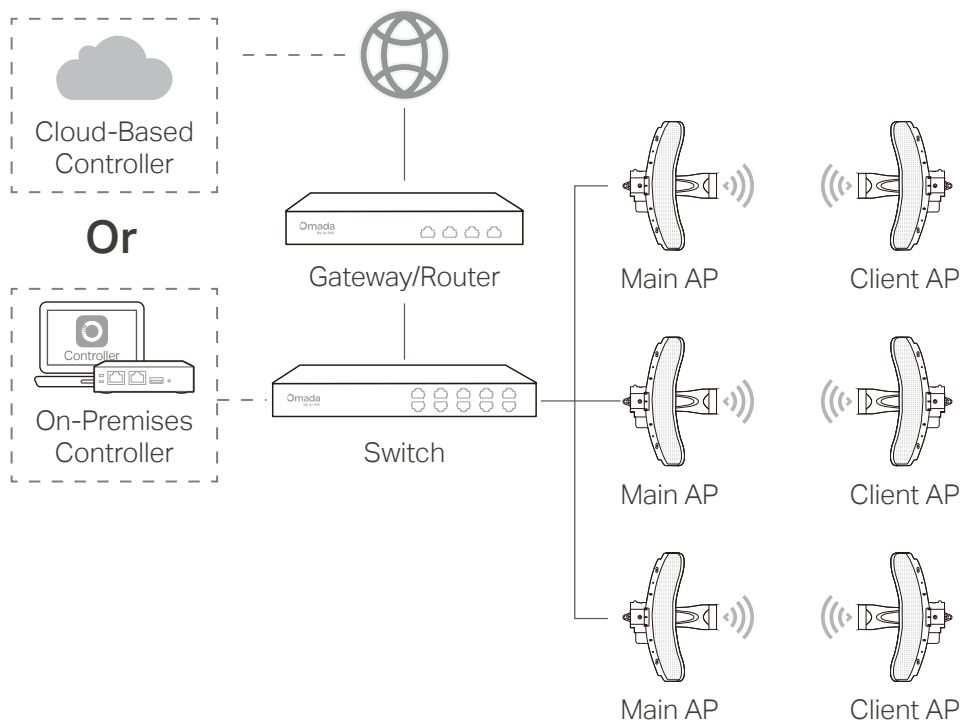

For instructions on how to get started with a standalone EAP, refer to https://www.omadanetworks.com/support/faq/4097/.

• **Method 2: Controller Mode**

Configure and manage APs (and other Omada devices) centrally with an Omada Controller.

Note: The figure below uses EAP220-Bridge KIT for demonstration. Other types of EAPs can be used in a similar manner.

For instructions on how to get started with an Omada Controller, refer to https://www.omadanetworks.com/support/faq/4096/.

Omada App

With the TP-Link Omada app, you can access and manage your Omada devices at a local site or remotely with a tap of your phone.

or

Scan for Omada App

Omada App

More Configurations

For more configurations, refer to the User Guides of the Controller and APs on the Documents page: https://support.omadanetworks.com/document/