

WA6M40AP
WiFi-6 Mesh AP
User Manual

◆ Package List

These items should be included, as shown in the following table. If any of these items are damaged or missing, please contact your dealer immediately.

Name	Quantity
WA6M40AP Mesh AP Unit	One
Power Adapter	One
RJ-45 Ethernet Cable	One
User Manual	One

◆ Product Overview

WA6M40AP is an Ethernet uplink wireless Router with Mesh function for home users, designed for expanding home network coverage and providing 2.4GHz(11ax) and 5GHz(11ax) high-speed connection speed.

● Interface

Device Interface	Description
LAN	3*GE Ethernet interface with RJ-45 connector, Supports10/100/1000-Base-T,half/full duplex and flow control, auto negotiation or manual configuration and supports MDI/MDIX auto-sensing
WAN	1*GE Ethernet interface with RJ-45 connector, Supports10/100/1000-Base-T,half/full duplex and flow control, auto negotiation or manual configuration and supports MDI/MDIX auto-sensing
Power	12V Power Input Interface 1* DC Jack for power input

● Technical Specification

Item	Description
Dimension	195mm*162mm*60mm (Height×Width×Depth)
Rated Voltage	12V
Rated Current	1.5A
Operation Temperature	0°C to 40°C
Storage Temperature	-20°C to 65°C

◆ Safety Precaution

Usage Cautions

1. Read the safety information carefully before using the device.
2. Keep the power plug and cables dry and clean to prevent the risk of electric shock or other dangers.
3. Use only the power adapter provided. Using a different one may cause hardware damage.
4. Ensure not to open the cover of the device. It is dangerous when the device is powered on.
5. Stop using the device under any abnormal condition such as strange smell or smoke. Contact the service provider for further assistance.
6. Power off the device and unplug the cables when the device is not used for a long time.

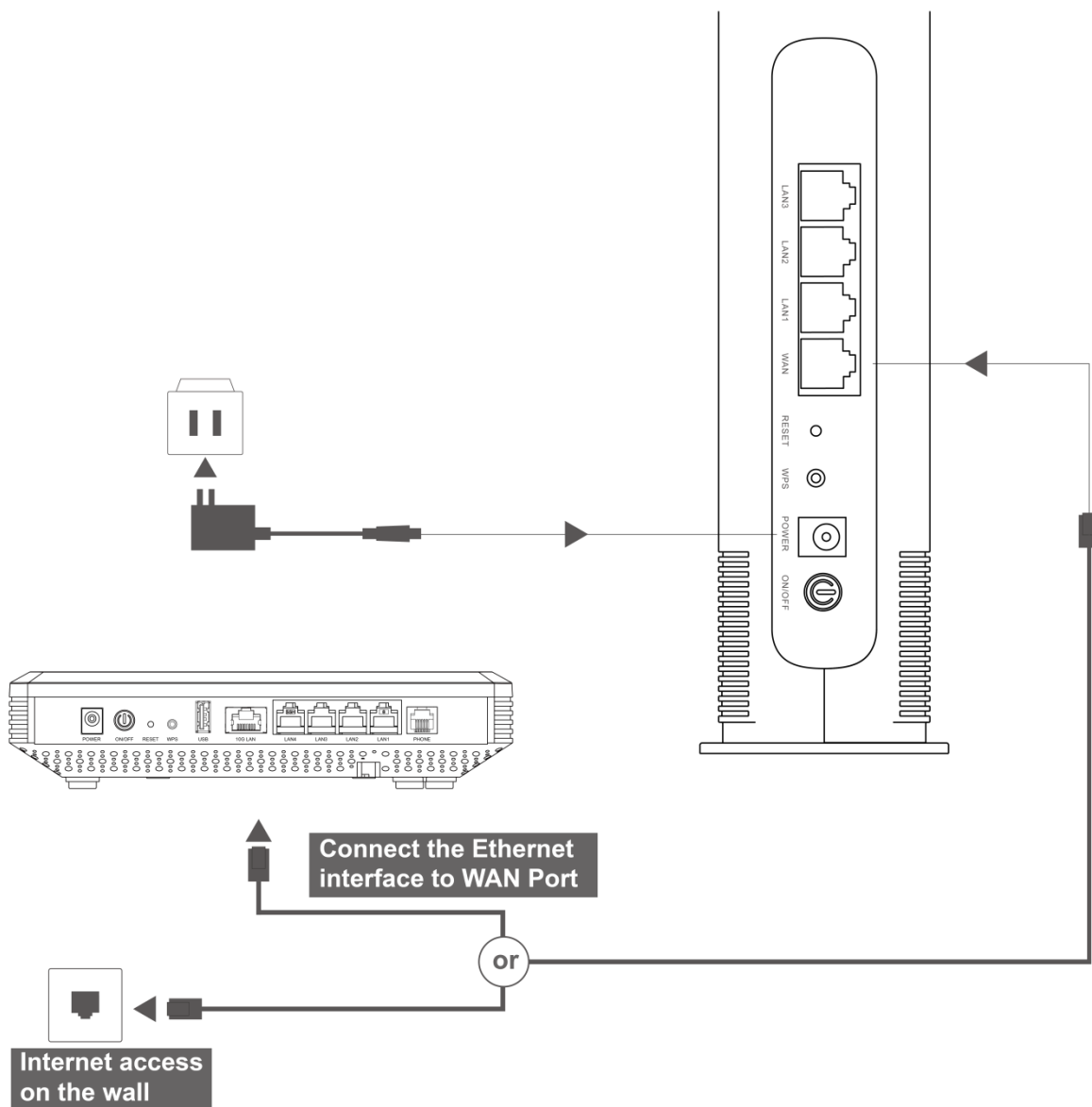
Environment Requirements

1. Avoid placing directly near heat sources, such as fires, boiler, air conditioners and so on.
2. Do not place any object on the device to avoid damaging the device.
3. Keep the device away from any heat source or water.
4. Ensure the device is located away from the household appliances such like refrigerator or microwave oven.

Cleaning Requirements

1. Power off the device and unplug all the cables connected to the device before cleaning.
2. Do not use any liquid to clean the device. A soft dry cloth is suggested for cleaning.

◆ Cable Connection



1. Choose an Installation Site

Place the Agent(model WA6M40AP) at a proper location based on your home layout. We recommend one wall/door/floor between Controller and Agent

2. Power Up

Connect the supplied power adapter to the device and a power outlet. Use only the power adapter provided.

3. Connect WAN Cable

Connect the WAN port of WA6M40AP to an active internet connection, via the Ethernet cable.

Since WA6M40AP is a wireless Agent, you don't need to connect to WAN port of the device. You only need to press WPS button to trigger Mesh network pairing. For detailed steps, see 'Easy Mesh Installation'.

4. Connect LAN Cable

Use an Ethernet Cable to connect the PC's LAN port to the device's LAN port.

5. Switch Operation Mode automatically

5.1 If Easy Mesh function of main router (other Azores device) is Disabled

The Operation Mode of the device will be switched from Auto to AP mode. Please enter the maintenance page (<http://192.168.2.1>) to configure WAN connection.

If the Alarm LED is Off, wired devices can be connected directly to LAN port for Internet access and wireless devices can use the network name (SSID) & password (see the sticker on the backside) to connect to Internet.

5.2 If Easy Mesh function of main router (other Azores device) is Enabled

The Operation Mode of the device will be switched from Auto to Agent mode. Please follow the steps in 'Easy Mesh Installation'.

If the MESH LED is On and the Alarm LED is Off, wired devices can be connected directly to LAN port for Internet access and wireless devices can use the Controller's network name (SSID) & password to connect to Internet.

◆ Easy Mesh Installation

1. If other Azores device is Controller

1.1 Check Configuration for Controller

1.1.1 If WLAN security is not WPA2, Please change it to WPA2;

1.1.2 If the Easy Mesh function is Disabled, Please change it to Enabled.

2. If WA6M40AP is Controller

2.1 Check Configuration for Controller (WA6M40AP)

2.1.1 WA6M40AP WAN port connects to an active internet connection;

2.1.2 If WLAN security is not WPA2, Please change it to WPA2;

2.1.3 Enter the maintenance page (<http://192.168.2.1>) to modify the operation mode of WA6M40AP to 'Controller'.

3. How to Mesh Controller and Agent

There are 2 Mesh networking methods for Controller and Agent: **LAN, WPS Button**.
You can choose either one according to the convenience.

- **LAN:**

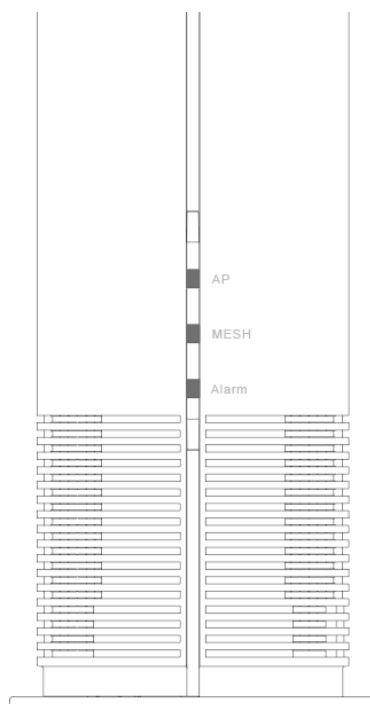
1. Connect Agent's WAN port with Controller's LAN port using RJ-45 Ethernet Cable in the box;
2. Wait for the Agent's MESH LED to light up and the Alarm LED to turn Off.
3. Then the Operation Mode will be switched from Auto to Agent mode automatically. And the easy mesh network is ready.

- **WPS Button:**

1. Press the WPS button of Controller and Agent at the same time. The MESH LED of Controller and Agent starts blinking;
2. Wait for the MESH LED of Controller and Agent to turn off within two minutes of pairing time;
3. Wait for the Agent's MESH LED to light up and the Alarm LED is Off.
4. Then the Operation Mode will be switched from Auto to Agent mode automatically. And the easy mesh network is ready.

*Note: When Controller and Agent mesh successfully, SSID and password will be consistent with the Controller.

◆ LED



LED	Color	State	Description
Alarm	Red	Off	The device is powered off.
		On	The device cannot access Internet.
MESH	Blue	Off	The device is not Mesh networked with the Controller.
		Flashing	The device is in the process of WPS pairing. Or the RSSI signal strength between the Agent and the Controller is less than -70.
		On	The RSSI signal strength between the Agent and the Controller is greater than -70.
AP	Green	Off	The operation mode is Agent or Auto.
		On	The operation mode is AP or Controller.

◆ Buttons

Button	Function
Power Button	Power on and off the device.
Reset	Reset the device. Short press (1 second) for reset the device. Long press (10 seconds or longer) for reset to factory default settings.
WPS	Set the WPS process.

◆ Troubleshooting

The Alarm LED on the side panel is on.

1. If use WA6M40AP as Agent:

Check whether the mesh networking is successfully. And check whether the Controller can access Internet.

2. If use WA6M40AP as AP/Controller:

Check whether the network cable connection of the WAN port is normal.

The MESH LED on the side panel is off.

1. If use WA6M40AP as Agent:

The Easy Mesh is in progress or not successful.

Wait for 3 minutes and if the LED is still off, please refer to the steps in ‘Easy Mesh Installation’ to pair again or restore the device to factory then follow the steps in ‘Easy Mesh Installation’.

2. If use WA6M40AP as AP/Controller:

It is normal for the MESH LED on the side panel to turn off.

The MESH LED on the side panel is flashing.

Check whether WPS pairing is triggered by WPS button.

Check whether the RSSI signal strength between the Agent and the Controller is less than -70. Please relocate the Agent (Model WA6M40AP) to the appropriate location according to your home layout.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.