105mm

148.5mm



Altai AX600-X 2x2 Wi-Fi 6 Outdoor Access Point

Quick Setup Guide

Version 1.0

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Introduction

Thank you for purchasing the Altai AX600-X product. This guide provides instructions to install the product and set it up in AP mode with minimal effort.

Package Contents

1. AX600-X Main Unit x 1pc
 Cable Gland for LAN Port x 1pc
 Dust Cap for SFP Port x 1pc
2. Wall-Mount Kit:
 - Mounting Bracket x 1 pc
 - Short Screw (3.9 x 10mm) x 4 pcs
 - Anchor (6.5 x 28.1mm) x 4 pcs
 - Long Screw (3 x 20mm) x 4 pcs
3. Hose Clamp x 2 pcs (For Pole Mount)
4. Ground Screw (4.9 x 10mm) x 1pc
5. Quick Setup Guide
6. PoE injector

Optional Item

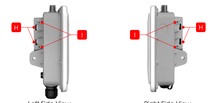
Hardware Overview



Front View Back View



Top View Bottom View



Left Side View Right Side View

A: LED Panel

LED	Status	Description
PWR	Off	Power off
	Amber	AP booting up
	Blue	AP boot-up finished
2.4GHz/5GHz Radios	Off	Radio disabled
	Blue	Radio enabled
	Flashing Blue	Data transmitting/receiving
LAN (PoE in)	Off	LAN (Ethernet) disconnected
	Blue	LAN connected with 10/100/1000/2500Mbps of Ethernet speed
	Flashing Blue	Data transmitting/receiving
SFP	Off	Link disconnected
	Blue	Link connected

B: Ground Point

Used for AP chassis grounding. Attach a ground wire of size 10 AWG (not included) to the chassis with a ground screw. Connect the other end of the wire to a reliable ground point on site for earthing.



C: 2.4GHz RF Ports (N-Female Type)

Used with 2.4GHz antennas (purchased separately) for 2x2 MIMO connection. For outdoor deployment, seal the ports with weatherproofing tapes.

D: 5GHz RF Ports (N-Female Type)

Used with 5GHz antennas (purchased separately) for 2x2 MIMO connection. For outdoor deployment, seal the ports with weatherproofing tapes.

E: Ethernet Port (PoE in) with Cable Gland

Used for connecting to power source equipment such as a PoE switch or a PoE injector (see the Power Options section) and providing 10/100/1000/2500 Mbps network interface for LAN connection. To seal the RJ45 connector, feed the Ethernet cable through the cable gland, as illustrated in the picture.

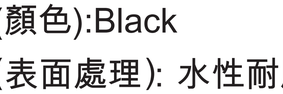
F: SFP Slot

Used with an SFP module for fiber-optic or copper connection. Feed the cable through an M25 cable gland (not included) for sealing while the slot is in use.

G: Reset Button

Located below the SFP slot. It serves two functions:

- **Reboot**: Press the button for 1-2 seconds until the power LED blinks once.
- **Factory Reset**: Press the button for 5-8 seconds until the power LED blinks twice consecutively.



H: Mounting Slots

Used for mounting the AX600-X unit on a pole with hose clamps.

I: Screw Holes for Mounting Bracket

Used for attaching the mounting bracket to the AX600-X unit.

Setup Requirements and Preparation

- A computer with a web browser
- Two Cat 5e/6 Ethernet cables
- A ground wire (AWG: 10) for chassis grounding
- A PoE injector (purchased separately) and a power cord; alternatively, an 802.3bt-compliant PoE switch to power up the AX600-X
- 2.4GHz/5GHz external antennae (purchased separately)
- Weatherproofing tapes for RF ports
- Screwdrivers (Phillips), a torque wrench, and a drill
- Wire stripping tool and crimping tool

Mounting Options

Option 1: Pole Mount (1" ~ 2.5" of Pole Diameter)

1. Thread the open end of the hose clamps through the two mounting slots on the back of the AX600-X unit.
2. Align the AP with a vertical pole.
3. Tighten the hose clamp to secure the AP to the pole with a torque wrench.



Option 2: Wall Mount

1. Mark locations on a wall surface for the four mounting holes of the mounting bracket. Use an appropriate drill bit to drill holes (Diameter: 6.5mm and Depth: 30mm).
2. Screw the anchors into the holes and then insert the screws through the mounting bracket into the anchors. Tighten the screws to secure the bracket to the wall.
3. Align the AX600-X unit with the mounting bracket.
4. Lock the AX600-X in place with the four screws using a Phillips #2 screwdriver.



Power Options and Cable Connection Instructions

Follow one of the options below to power up the AX600-X for configuration.

Option 1: 802.3bt-Compliant PoE Switch

1. Connect the AX600-X to an 802.3bt-compliant PoE switch with an Ethernet cable.
2. Connect a computer to the switch with another Ethernet cable.
3. When the power LED turns into a solid blue light, it is ready for configuration.

Option 2: PoE Injector (purchased separately)



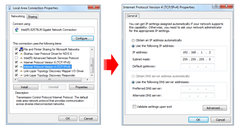
1. Connect the PoE injector's ports as follows with Ethernet cables.
 - **PoE Port**: To the AX600-X
 - **LAN Port**: To a computer
2. Connect the PoE injector to the AC power socket using a power cord.
3. When the power LED turns into a solid blue light, it is ready for configuration.

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1. Change TCP/IP Setting on Your Computer

For Windows 7/Windows 10 users.

1. Go to **Control Panel**, click **Network and Sharing Center** and then choose the Ethernet adapter that is in connection with the AX600-X unit. Click it and then click **Properties**.
2. Under the **Networking** tab, select **Internet Protocol Version 4 (TCP/IPv4)** in the list box "**This connection uses the following items**", and then click **Properties.**
3. Type in the following IP address and Subnet mask:
 - IP address: 192.168.1.2
 - Subnet mask: 255.255.255.0
4. Click **OK** to close the **Internet Protocol Version 4 (TCP/IP) Properties** dialog box and click **OK** again to close the adapter **Properties** dialog box.

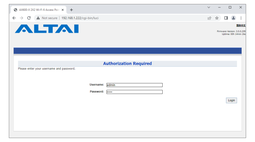


2. Access to Web Interface

1. Open a web browser, e.g. Google Chrome, Apple Safari, or Microsoft Edge. Type **192.168.1.222** in the address bar and then hit **Enter.**

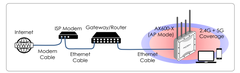


2. The login page will come up. Enter the default username and password as follows:
 - Username: **admin**
 - Password: **admin**
3. Click Login.



3. Configure AP Mode (2.4G/5G)

Network Scenario



Go to **Configuration** > **Wireless** > **Radio(2.4G)/Radio1(5G)** > **General**. The below screenshots show an example for 2.4G radio configuration only. The same procedures apply to 5G radio configuration.

1. Check the box to **Enable Radio**. Select **AP** for the Radio Mode. Then click **Submit** button.



4. Connect with Cloud-Based Controller – AltaiCare

Network Scenario

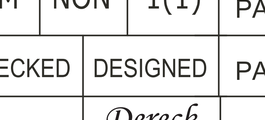
You can subscribe to AltaiCare cloud service to manage your APs anywhere. Follow the steps below to register your APs.

1. Go to **Configuration** > **Network** > **General**. Select **Switch Mode** for Network Setting. Make sure the AX600-X can reach the Internet and communicate with AltaiCare by setting **valid** IP configuration via DHCP or with static IP configuration. You can use Google Public DNS Server, e.g. 8.8.8.8 or 8.8.4.4, if you are unsure about your ISP DNS's server IP address.



2. Click the **Remote Mgmt** tab on the navigation bar. Check the box to **Enable Remote Management**. Select **AltaiCare** as Management Type and **Cloud** as the Connection Type.

3. Select **Full Management** if the radio (2.4G/5G) runs on **AP Mode**. If **Station/Bridge/Repeater Modes**, select **Monitor Mode** instead.
4. Click **Submit** button and then **Save & Apply** in the top right corner to make the changes take effect.
5. Follow AltaiCare Quick Start Guide to register the AX600-X in the cloud system.
6. The AX600-X will come up online in AltaiCare if the connection is successful.



Federal Communication Commission Interference Statement (FCC) – USA

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 36cm between the radiator & your body.

European Conformity (CE) – EU

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

CE

Warning

AX600-X may require professional installation depending on the deployment scenario.

Only use the optional power adaptor available for AX600-X. Using a different power adaptor might damage the device.

The metal chassis of the equipment may be hot. Pay special attention or use special protection before handling this equipment.

Operations in the 5.15-5.25 GHz band are restricted to indoor usage only.

Disclaimer

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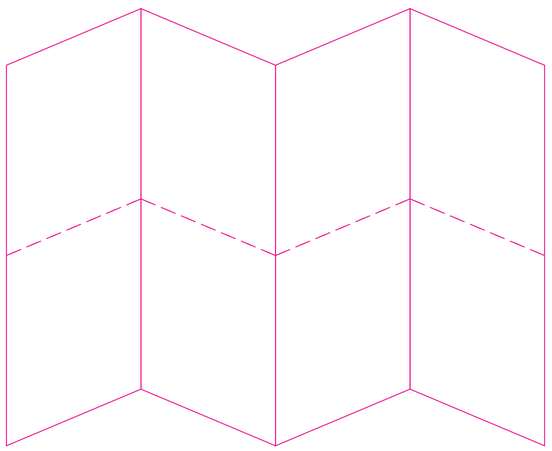
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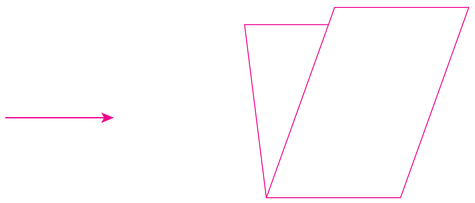
Customer Support Centre:
Email: support@altaitechnologies.com

反面

黑白印刷

成型方式:







(材質):128G雙铜纸
(顏色):Black
(表面處理): 水性耐磨油
(尺寸):105*148.5mm
(公差):+-1mm

不得含有
WI-RDC-016
要求禁用之有毒,有害物質

LIMITS UNLESS OTHERWISE NOTED	
X. +–	X.° +–
.X +–	.X° +–
.XX +–	.XX° +–
.XXX +–	.XXX° +–

A4	UNIT	SCALE	SHEET	MODEL No.	for WPX9926-AT
	MM	NON	1(1)	PART NAME	QSG
APPROVED	CHECKED	DESIGNED		PART No.	515000066447 REV A2
		Dereck 蔣飛龍 2023-04-06		LITEON 光寶科技股份有限公司 LITE-ON TECHNOLOGY CORP.	