



SOPHOS AP6840 Cloud Managed Wi-Fi Access Points User Guide

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SOPHOS AP6840 Cloud Managed Wi-Fi Access Points



Product Information

The Sophos AP6 Series is a range of access points designed for indoor and outdoor use. The series includes the AP6 420(E)/840(E) models for indoor use and the AP6 420X model for outdoor use. The access points come with various components such as screws, wall anchors, mounting brackets, metal clamps, antennas, cable glands, grounding wire, and connectors. The AP6 420(E)/840(E) models feature LAN ports, console ports, reset buttons, and LED indicators. The AP6 420X model includes N type connectors for antennas, Gore vent, forgo posts for mounting plate connection, and RJ45 connector/reset button. The product is manufactured by Sophos and can be purchased from authorized sales channels in different regions including the United Kingdom, Australia, New Zealand, Shanghai, North America, Japan, and China.

Box contents

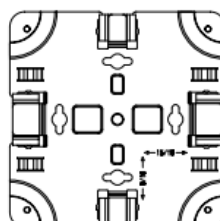
Indoor Access point



AP6 420(E)/840(E)



Quick Start Guide and
Safety Instructions



Mounting bracket for wall
and ceiling (T-bar)



2 screws
2 wall anchors for
wall-mount



4 screws to attach
bracket to back of AP

Outdoor Access point



AP6 420X



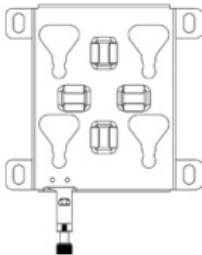
Quick Start Guide and
Safety Instructions



2 adjustable
metal clamps



4 screws
M6*1.0P*25mm
4 wall anchors
5/16*1-1/4" for
wall-mount



Mounting bracket for
wall and pole mount



4 x omni-directional
2.4/5 GHz antenna



1 M25 cable gland



Grounding wire with
washer and screw

AP6 840/840E

AP6 420/420E

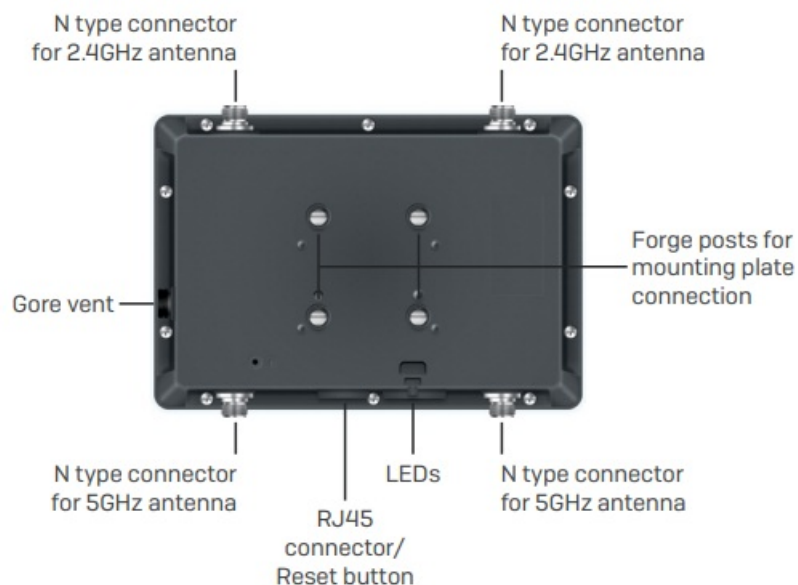
Reset button
Console port
LAN 2 port (AP 840E only)
LAN port (PoE)



Power connector
(AP6 420 only)
LAN port (PoE)
Console port
Reset button



AP6 420X



LEDs

AP6 420(E)/840(E)

| | | |
|-------|-----------------|---|
| Off | Off | AP is off or reboot started |
| Green | Solid | Normal Operation |
| | Flashing | AP is booting and connecting to wireless controller |
| Amber | Solid | AP has no connection to the wireless controller |
| | Flashing | AP is not claimed by wireless controller |
| Red | Solid | Error, no wireless controller found. AP will reboot (if not yet claimed by a controller). Check network connection if error persists. If reset button pressed: AP preparing configuration reset |
| | Flashing Slowly | Configuration reset in progress* |
| | Flashing Fast | Firmware update in progress** |

| AP6 420X | | | |
|---------------------|----------------|---------------------|---|
| Status | Radio | Mesh | |
| Off | Off | Off | AP is off or reboot started |
| Flashing Green | Off | Off | AP is booting and connecting to wireless controller or applying configuration* |
| Flashing Green | Flashing Green | Off | Configuration reset in progress* |
| Flashing Green | Flashing Green | Flashing Green | Error, no wireless controller found. AP will reboot (if not yet claimed by a controller). Check network connection if error persists. If reset button pressed: AP preparing configuration reset |
| Flashing Fast Green | Off | Off | Firmware update in progress** |
| Solid Green | Flashing Green | Flashing Green | AP has no connection to the wireless controller |
| Solid Green | Flashing Green | Flashing Fast Green | AP is not claimed by wireless controller |
| Solid Green | Off | Off or Solid Green | AP is operation in Single-Band |
| Solid Green | Green | Off or Solid Green | AP is operation in Dual-Band |

Your AP should recover from this state after a maximum of 5 minutes.

Note: Do not disconnect from power, nor reboot or reset the device. When the device connects to Sophos Central or Sophos Firewall for the first time, it might take up to 15 minutes to update the firmware.

Outdoor Access Point Grounding

WARNING: Model AP6 420X has a separate protective earthing terminal on the chassis which must be permanently connected to earth ground to adequately ground the chassis and protect the operator from electrical hazards. The installation of the earth grounding must be done by a skilled service personnel.

CAUTION: Before you begin the installation, ensure that service personnel has attached an appropriate grounding lug to the grounding cable that you supply.

Power installation must be performed by a qualified electrician in accordance with National Electrical Code, ANSI/NFPA 70 and Canadian Electrical Code, Part I, CSA C22.1.

To connect earth ground to unit:

- Connect one end of the grounding cable to a proper earth ground.
- Place the grounding lug attached to the grounding wire over the protective earthing terminal.
- Secure the grounding lug to the protective earthing terminal with the supplied washers and screws.
- Dress the grounding cable and ensure that it does not touch or block access to other components.



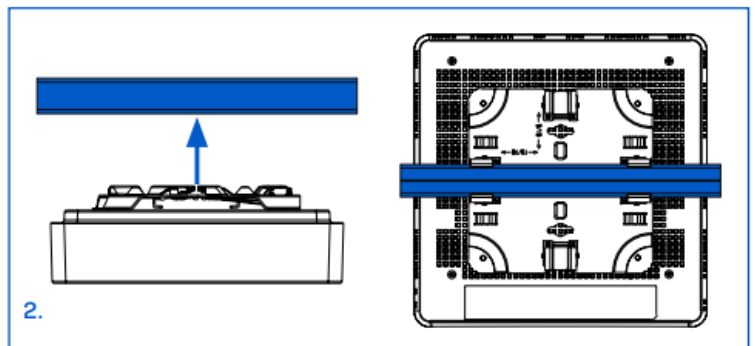
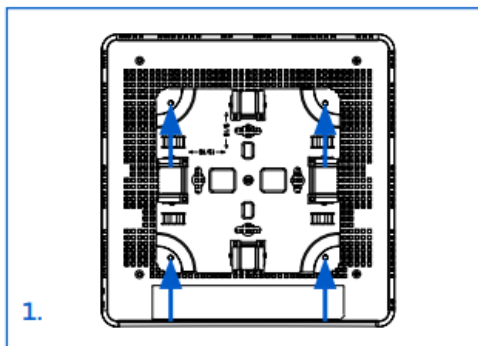
WARNING: Prior to powering on the unit, connect the frame of the unit to earth. For the earthing wire, green and yellow insulation is required, and the cross-sectional area of the conductor must be more than 0.75mm² or 18 AWG.

Mounting

(Indoor Access Points)

• Ceiling Mount

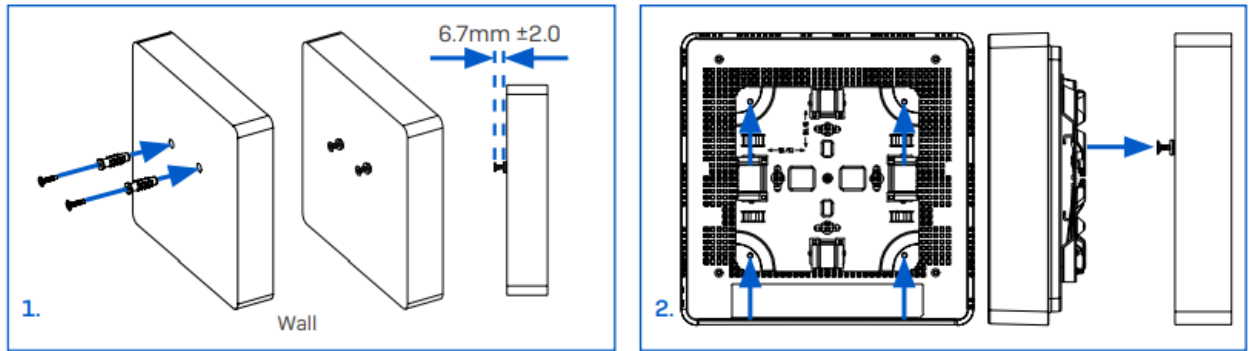
1. Fix the bracket to the rear of the Access Point by using 4 of the supplied screws.
2. To install, put the access point underneath the ceiling rail (t-bar) and push it into place. To dismount, push the spring locks to the side and pull the access down.



• Wall Mount

1. Mark the wall where you want to insert the provided anchors which must be 6.2cm (2.44 in.) apart.
2. Drill the 2 supplied wall anchors into the wall at the marked positions and screw 2 supplied screws into them. Make sure they stand out ~6.7mm.
3. Fix the bracket to the rear of the Access Point by using 4 of the supplied screws.
4. Hang the access point (with the mounted bracket) on the wall by aligning the key holes with the mounted

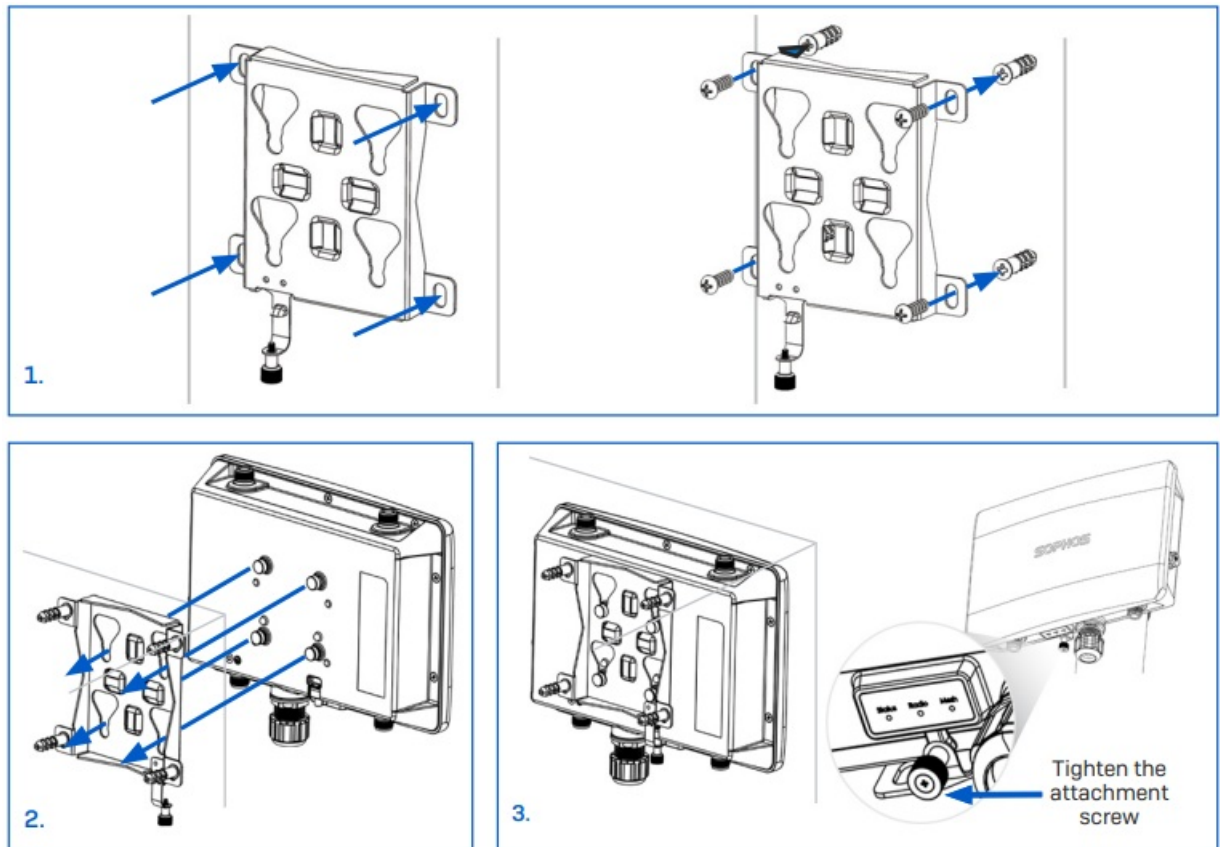
screws.



(Outdoor Access Points)

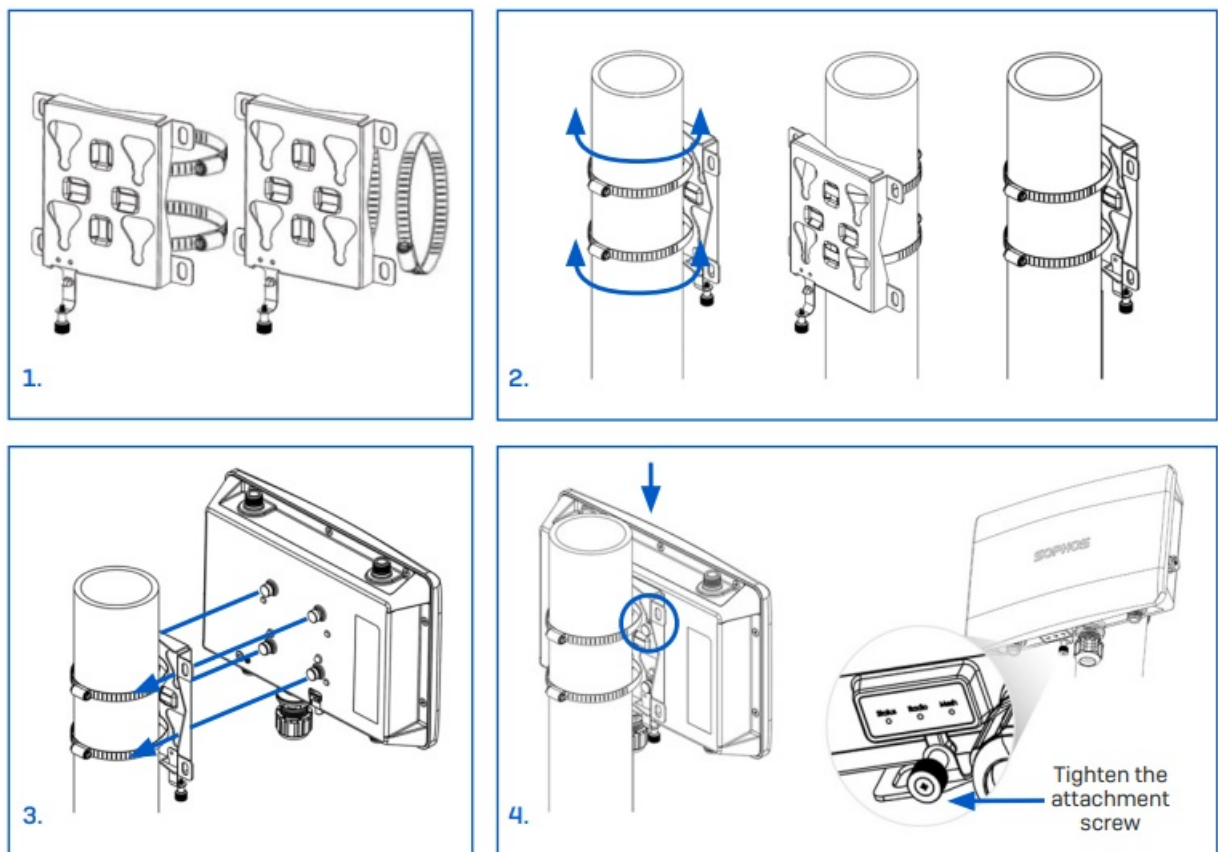
• Wall mount

1. Use the mounting bracket to mark the screw mounting positions on the wall.
2. Attach the access point to the bracket by hanging the 4 forge posts into the attachment slots of the bracket and pressing it down.
3. Tighten the attachment screw to fix the access point to the bracket.

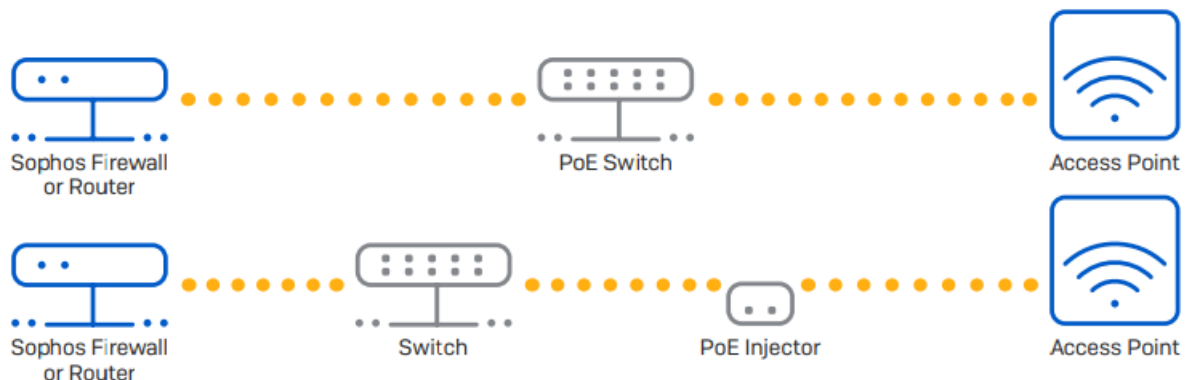


• Pole Mount

1. Attach the two metal clamps to the back of the mounting bracket using the vertical or horizontal mounting slots (according to the desired orientation).
2. Hold the bracket against the pole and tighten the metal clamps.
3. Attach the access point to the bracket by hanging the 4 forge posts into the attachment slots of the bracket and pressing it down.
4. Tighten the attachment screw to fix the access point to the bracket.



Connecting the Access Point



WARNING: To ensure safe operation, model AP6 420X is intended to be used only with Listed, IEEE 802.3at-compliant, Power over Ethernet Power Sourcing Equipment that is designed for connection to outdoor devices. The power supply cord(s) of the PoE injector or PoE Switch must be plugged into socket-outlet(s) with earthing connection. If you need assistance with selecting or purchasing an appropriate power source, please contact your local Sophos sales representative.

Connect the LAN (PoE) port of the access point to a PoE+ switch or PoE+ injector using an RJ45 Ethernet cable.

Note: Model AP6 840E requires a PoE++ (802.3bt) switch/injector

Model AP6 420 can also be connected to an Ethernet switch and powered by a separate Power Supply (available as an accessory from your Sophos partner). The access point will now boot and try to receive an IP address via DHCP (either from the Sophos firewall or another DHCP server in your network). After successfully receiving an IP address, the access point attempts to communicate with Sophos Central. In order to do so, the firewall needs to either be the default gateway of the access point or be on the default route (most likely your route to the internet). Whilst waiting for DHCP and searching for the wireless controller, the access point status LED will show its current state (please see LED table).

Configuration

After successful connection to the wireless controller the status LED turns to solid green. The access point is now

ready to be managed. Please refer to the Sophos Central online help to start the configuration of your access point.

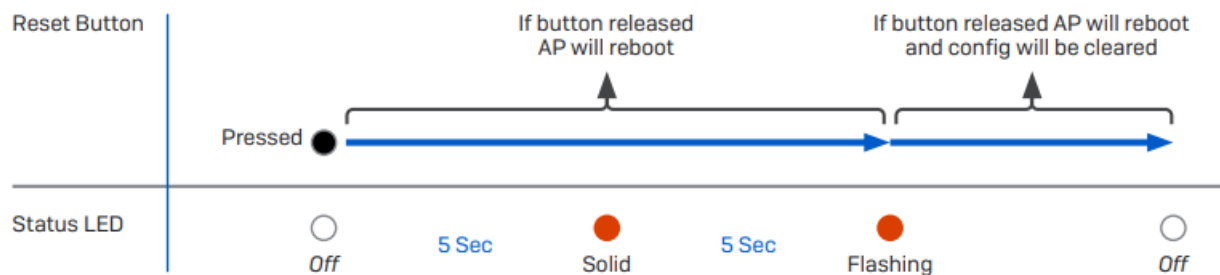
Reboot & Reset

Reboot with current image and configuration

1. Press reset button.
2. Release reset button.
3. AP reboots (Status LED will go off, then will start blinking after some seconds and turn to solid green after reboot is complete).

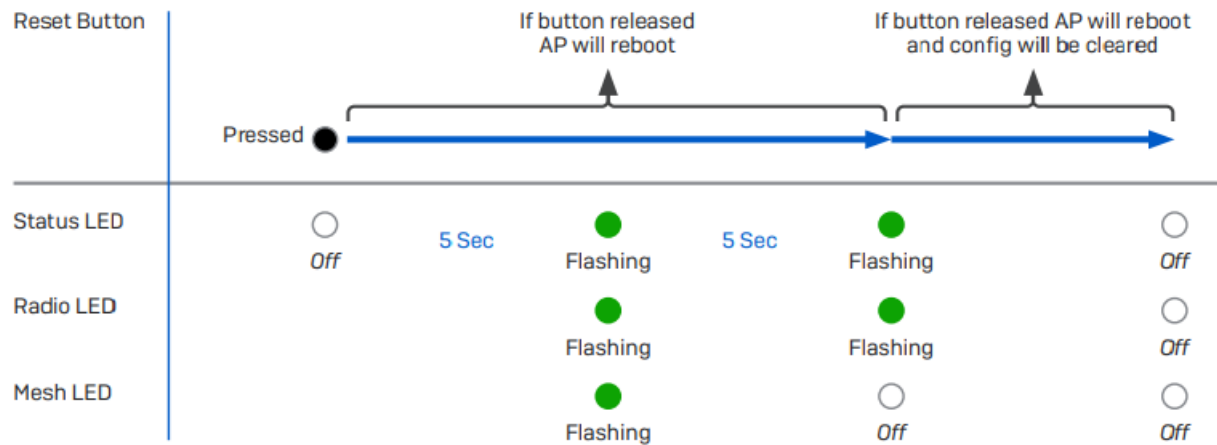
Reboot with current image and clear configuration (Indoor Access Points)

1. Press and hold reset button for 5 sec.
2. Status LED will turn solid red for 5 sec. You can still cancel the configuration clearance process by releasing the reset button before the Status LED starts flashing. In that case the AP will reboot as described above.
3. After 5 sec. Status LED will start flashing red.
4. Release reset button (configuration will be cleared).
5. AP reboots with factory default settings.



Reboot with current image and clear configuration (Outdoor Access Points)

1. Press and hold reset button for 5 sec.
2. Status, Radio, and Mesh LEDs will start flashing for 5 sec. You can still cancel the configuration clearance process by releasing the reset button before the Mesh LED turns Off. In that case the AP will reboot as described above.
3. After 5 sec. Mesh LED turns off. Status and Radio LEDs continue flashing.
4. Release reset button (configuration will be cleared).
5. AP reboots with factory default settings.



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For more information about your appliance, scan the QR code or visit www.sophos.com/get-started-firewall.



Documents / Resources

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|---|--|
|  | <p>SOPHOS AP6840 Cloud Managed Wi-Fi Access Points [pdf] User Guide AP6840 Cloud Managed Wi-Fi Access Points, AP6840, Cloud Managed Wi-Fi Access Points, Managed Wi-Fi Access Points, Wi-Fi Access Points, Access Points, Points</p> |
|---|--|

References

- [Sophos Community](#)