

Quick Start Guide

Sophos AP6 Series



For more information about your Access Point (AP), scan the QR code or visit www.sophos.com/get-started-ap



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Box contents

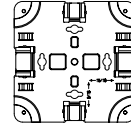
Indoor Access Point



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



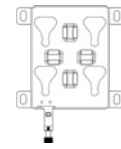
Quick Start Guide and Safety Instructions



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

LEDs

| AP6 420(E)/840(E) | | |
|-------------------|-----------------|--|
| Off | Off | AP is off or reboot started |
| Green | Solid | Normal Operation |
| | Flashing | AP is booting and establishing network connectivity |
| Red | Solid | Reset button pressed, AP preparing configuration reset |
| | Flashing Slowly | Configuration reset in progress* |
| | Flashing Fast | Firmware update in progress** |

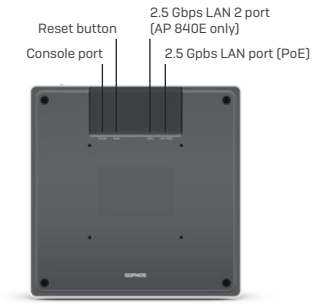
| AP6 420X | | | |
|---------------------|----------------|--------------------|--|
| Status | Radio | Mesh | |
| Off | Off | Off | AP is off or reboot started |
| Flashing Green | Off | Off | AP is booting and applying configuration* |
| Flashing Green | Flashing Green | Off | Configuration reset in progress* |
| Flashing Green | Flashing Green | Flashing Green | Reset button pressed, AP preparing configuration reset |
| Flashing Fast Green | Off | Off | Firmware update in progress** |
| Solid Green | Off | Off or Solid Green | AP is operating in Single-Band |
| Solid Green | Green | Off or Solid Green | AP is operating 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 for the first time, it might take up to 15 minutes to update firmware.

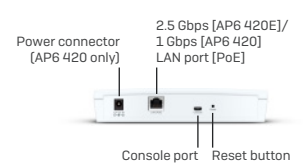
IMPORTANT: LED behavior may change with future firmware updates. For the latest Quick Start Guide, Wall Mounting Instructions, and Safety Booklet, please visit <https://www.sophos.com/get-started-ap>.

AP6 840/840E



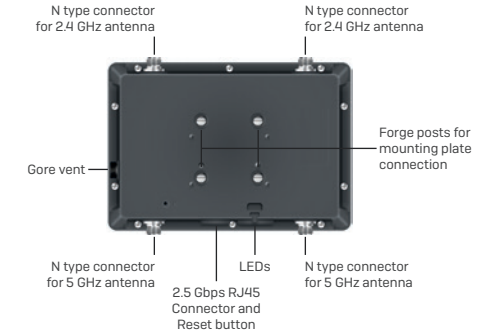
Reset button
Console port
2.5 Gbps LAN 2 port (AP 840E only)
2.5 Gbps LAN port (PoE)

AP6 420/420E



Power connector (AP6 420 only)
2.5 Gbps [AP6 420E]/1 Gbps [AP6 420] LAN port [PoE]
Console port
Reset button

AP6 420X



N type connector for 2.4 GHz antenna
N type connector for 2.4 GHz antenna
Gore vent
Forge posts for mounting plate connection
N type connector for 5 GHz antenna
LEDs
2.5 Gbps RJ45 Connector and Reset button
N type connector for 5 GHz antenna

Outdoor Access Point Grounding



WARNING: The AP6 420X model 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 skilled service personnel.

CAUTION: Before you begin the installation, ensure that service personnel have 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:

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



Protective Earthing Terminal

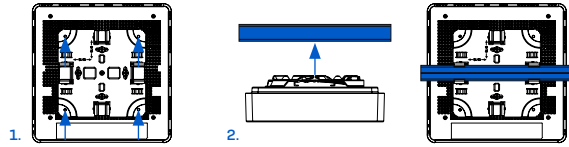


WARNING: Prior to powering on the unit, connect the frame of the unit to earth. For the earthing wire, green and yellow insulation is required, and the cross-sectional area of the conductor must be more than 0.75mm² or 18 AWG.

Mounting (Indoor Access Points)

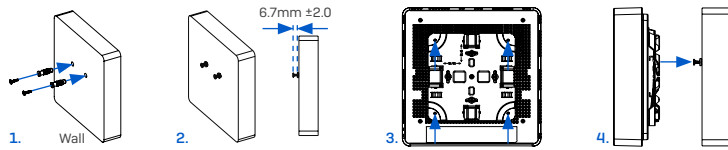
Ceiling Mount (for 15/16" and 9/16" ceiling track, flush ceiling tiles)

1. Fix the bracket to the rear of the AP by using 4 of the supplied screws.
2. To install, put the AP 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 AP by using 4 of the supplied screws.
4. Hang the AP (with the mounted bracket) on the wall by aligning the key holes with the mounted screws.



Other Mounting Options

There are additional mounting kits for flat ceiling, plenum and suspend mount options available from your Sophos Partner.

For mounting instructions please see the Operating Instructions under www.sophos.com/get-started-ap.

Configuration

After successfully establishing network connectivity the status LED turns to solid green. The AP is now ready to be managed.

1. Sign into Sophos Central at central.sophos.com.
2. If you don't yet have a Sophos Central Account, please create one.
3. Register the AP in your Sophos Central account by entering the serial number.

Note: After powering on the AP, there is a 15-minute window to register it in Sophos Central, or the AP will have to be either hard rebooted or rebooted using the local web interface.

4. After the AP is registered in Sophos Central, please upgrade the AP to the latest firmware version.

Advanced configuration:

The advanced options can be configured in the local web interface of the AP.

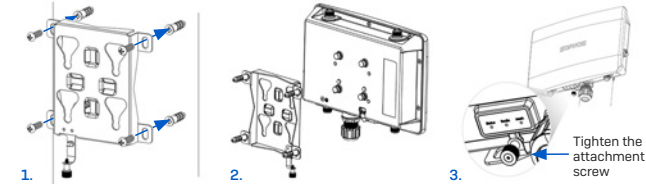
1. Register the AP in Sophos Central (see above).
2. Open a web browser on your computer, enter the IP address assigned from the DHCP server/ default IP address and press enter.

To access the web interface of the AP after registering it in Sophos Central, use the default credentials with the username as "admin" and the unique password for this AP [See back of your AP6 for the Unique Password].

Mounting (Outdoor Access Points)

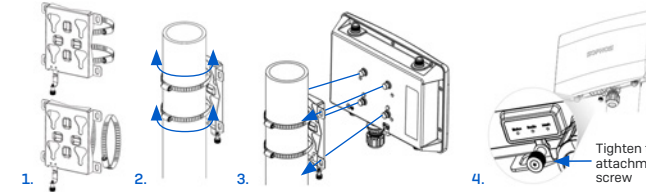
Wall Mount

1. Use the mounting bracket to mark the screw mounting positions on the wall.
2. Attach the AP 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 AP 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 AP 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 AP to the bracket.



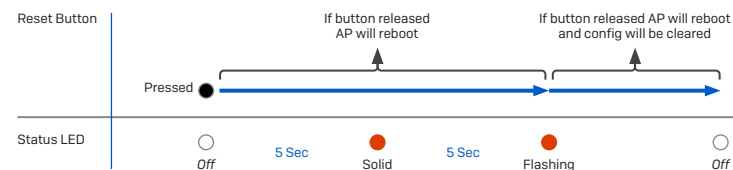
Reboot & Reset

Reboot with current image and configuration

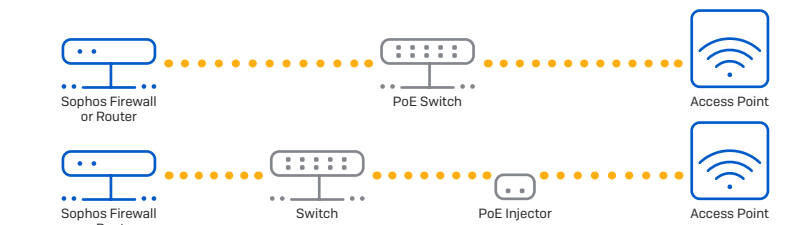
1. Press reset button.
2. Release reset button.
3. AP reboots (Status LED will go off, then will start blinking after some seconds and turn to solid green after reboot is complete).

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.



Connecting the Access Point



WARNING: To ensure safe operation, the AP6 420X model 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 when selecting or purchasing an appropriate power source, please contact your local Sophos sales representative.

- Connect the LAN (PoE) port of the AP to a PoE+ switch or PoE+ injector using an RJ45 Ethernet cable (RJ45 cat5 or better for AP6 420 and RJ45 cat5E or better for AP6 840/AP6 840E/AP6 420E/AP6 420X).

Note: The AP6 840E model requires a PoE++ 60W (802.3bt) switch/injector. When connecting a LAN cable to the AP6 420X ensure you use a RJ45 connector without a protective cap, otherwise the reset button might not be accessible.

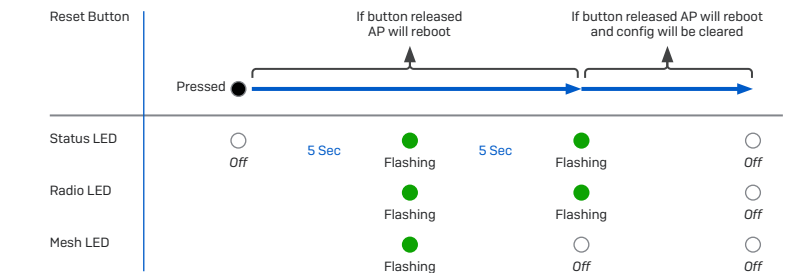
The AP6 420 model can also be connected to an Ethernet switch and powered by a separate Power Supply (available as an accessory from your Sophos partner).

- The AP 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 AP attempts to communicate with Sophos Central via the default gateway of the AP (most likely your route to the internet).

Note: If the AP is unable to get an IP address from a DHCP server, it will use a default IP address 192.168.2.2/24.

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 at this point 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.



Support and Documentation

For more information and technical support, please visit www.sophos.com/en-us/support or contact your local Sophos reseller.