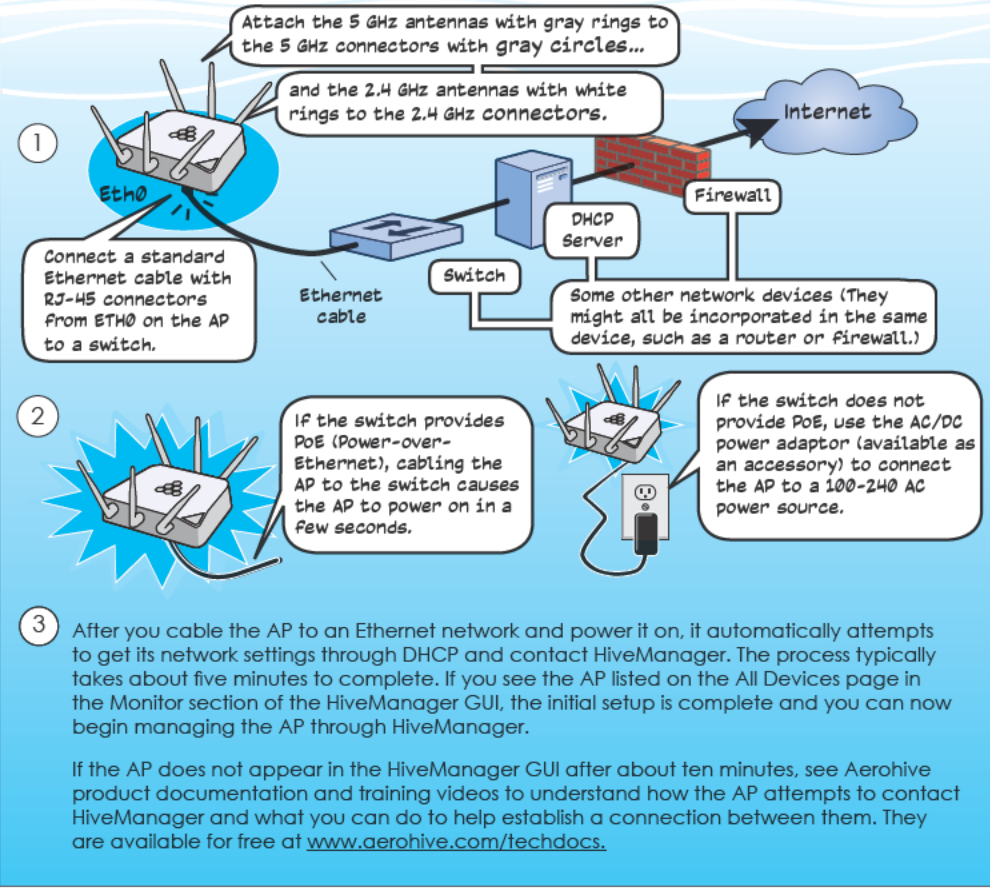# Aerohive QuickStart for the AP330 and AP350

AP330   AP350

This guide explains how to set up an Aerohive AP330 or AP350 Access Point so it can make a network connection to HiveManager, and how to mount it on a ceiling or wall. (The AP350 with articulated antennas is shown in the following illustration, but the instructions apply equally to the AP330 and to the AP350 with non-articulated antennas.) To register, get the latest product documentation (including translations of select documents), see compliance information, and download software updates, visit www.aerohive.com/support.

① Attach the 5 GHz antennas with gray rings to the 5 GHz connectors with gray circles...

and the 2.4 GHz antennas with white rings to the 2.4 GHz connectors.

Internet

Eth0

Connect a standard Ethernet cable with RJ-45 connectors from ETH0 on the AP to a switch.

Ethernet cable

Switch

DHCP Server

Firewall

Some other network devices (They might all be incorporated in the same device, such as a router or firewall.)

② If the switch provides PoE (Power-over-Ethernet), cabling the AP to the switch causes the AP to power on in a few seconds.

If the switch does not provide PoE, use the AC/DC power adaptor (available as an accessory) to connect the AP to a 100-240 AC power source.

③ After you cable the AP to an Ethernet network and power it on, it automatically attempts to get its network settings through DHCP and contact HiveManager. The process typically takes about five minutes to complete. If you see the AP listed on the All Devices page in the Monitor section of the HiveManager GUI, the initial setup is complete and you can now begin managing the AP through HiveManager.

If the AP does not appear in the HiveManager GUI after about ten minutes, see Aerohive product documentation and training videos to understand how the AP attempts to contact HiveManager and what you can do to help establish a connection between them. They are available for free at www.aerohive.com/techdocs.

Status LED

The status LED in the corner of the AP330 and AP350 indicates various states of activity through its color and illumination patterns (solid or flashing). The meanings of the colors are explained below.

- **Dark:** There is no power or the status indicator is disabled.
- **Blue:** (solid) The device is booting up or there is no backhaul link; (flashing) the device is shutting down
- **Green:** The default route is through the backhaul Ethernet interface, but not all conditions for normal operations (white) have been met.
- **Yellow:** The default route is through a backhaul wifi interface, but not all conditions for normal operations (white) have been met.
- **White:** The device is powered on and the firmware is operating normally; that is, a wireless interface in access mode is up, a wired or wireless backhaul link is up, and the AP has a CAPWAP connection to HiveManager.
- **Purple:** A new image is being loaded from HiveManager.
- **Orange:** An alarm indicating a firmware or hardware issue has occurred.

You can adjust its brightness level from bright (the default) to soft to dim, or turn it off completely. In HiveManager, the setting is on the Management Options page in the Configuration section. CLI: [no] system led brightness { soft | dim | off }.

Bright   Soft   Dim   Off

Aerohive™ NETWORKS

Mounting the AP330 and AP350

You can mount the AP330 or AP350 to the tracks of a dropped ceiling grid using the rail mount, or to any flat surface that can support its weight using the mounting plate. (AP330: 1.5 lb or 0.68 kg; AP350: 2.375 lb or 1.08 kg). Both options are explained below. (The AP330 is shown in these illustrations, but the instructions apply to both models.)
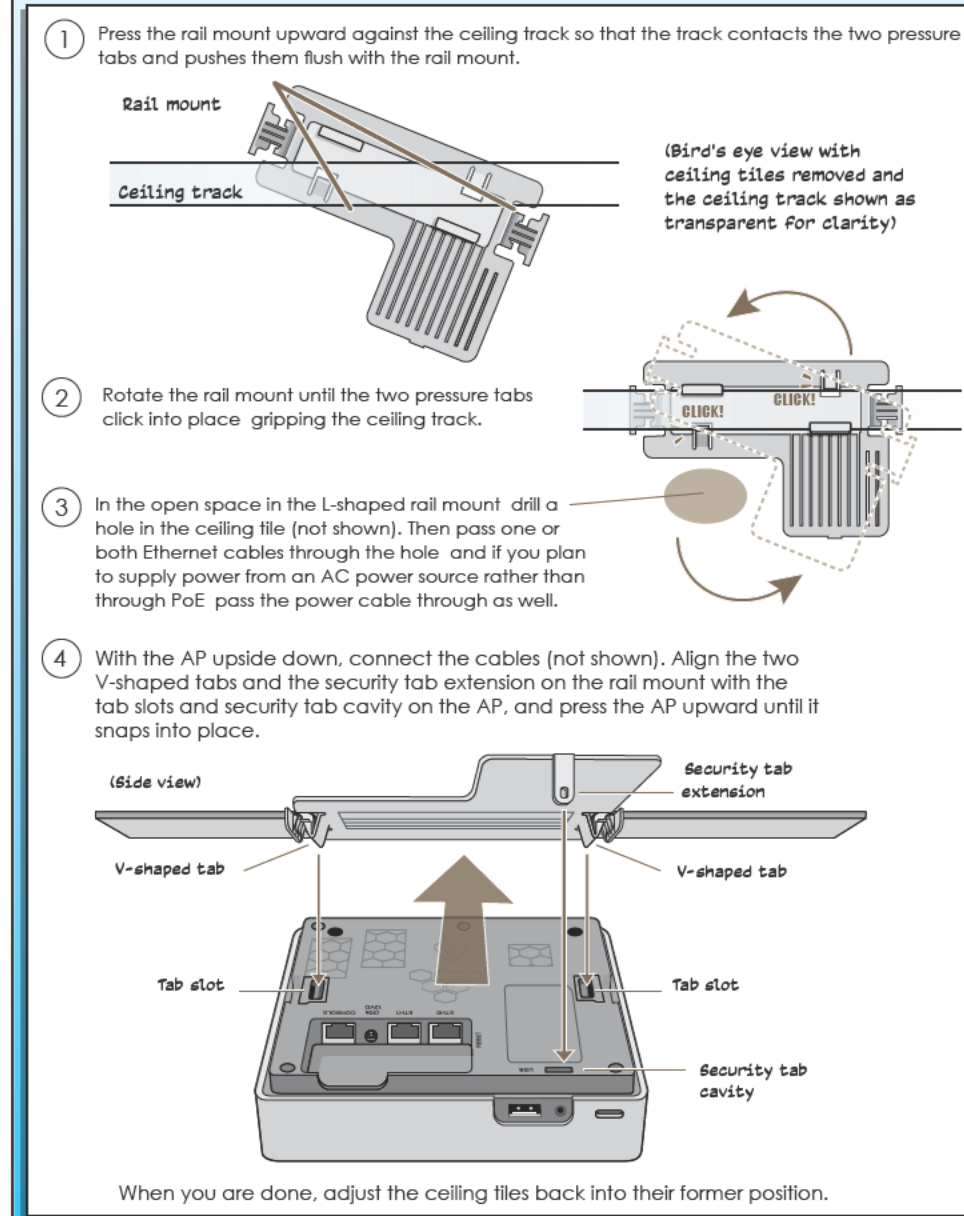
Note: *You can install the AP on a table using the adhesive rubber feet that ship with the unit.*

Ceiling Mount

To mount the AP330 or AP350 to a standard 15/16" track (2.38 cm) in a dropped ceiling, use the rail mount that shipped with the AP. You also need a drill and—most likely—a ladder.

Note: *Aerohive also offers a rail mount kit for 9/16" (1.34 cm) -wide, and 15/16" (2.38 cm) -wide recessed tracks for AP330, AP350, AP121, and AP141 models (AH-ACC-9-16-CLIP-330-350, and AH-ACC-BKT-REC-300-100, respectively).*

Nudge the ceiling tiles slightly away from the track to clear some space, and then attach the appropriate rail mount to the ceiling track. When you have the rail mount in the correct location, cut or drill a hole in the ceiling through which you can then pass the Ethernet and power cables.

① Press the rail mount upward against the ceiling track so that the track contacts the two pressure tabs and pushes them flush with the rail mount.

Rail mount

Ceiling track

(Bird's eye view with ceiling tiles removed and the ceiling track shown as transparent for clarity)

② Rotate the rail mount until the two pressure tabs click into place gripping the ceiling track.

CLICK!   CLICK!

③ In the open space in the L-shaped rail mount drill a hole in the ceiling tile (not shown). Then pass one or both Ethernet cables through the hole and if you plan to supply power from an AC power source rather than through PoE pass the power cable through as well.

④ With the AP upside down, connect the cables (not shown). Align the two V-shaped tabs and the security tab extension on the rail mount with the tab slots and security tab cavity on the AP, and press the AP upward until it snaps into place.

(Side view)

Security tab extension

V-shaped tab

V-shaped tab

Tab slot

Tab slot

Security tab cavity

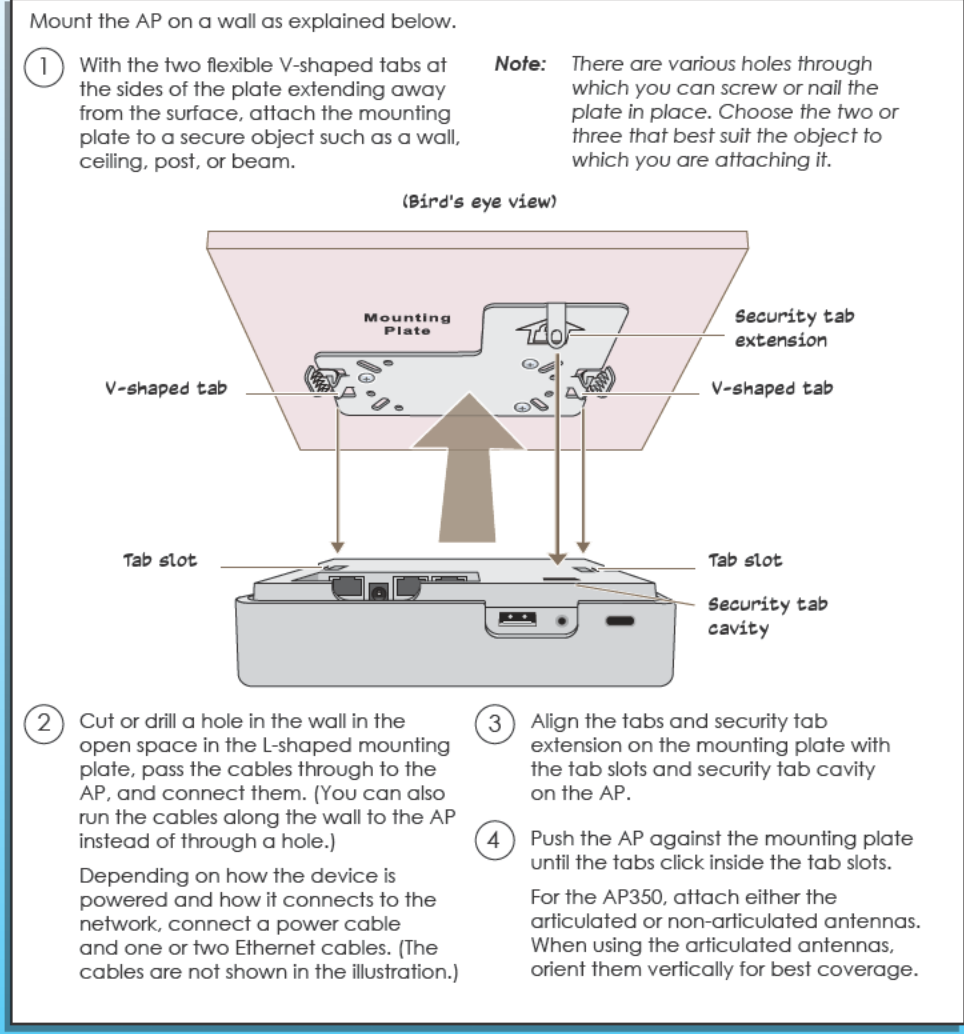When you are done, adjust the ceiling tiles back into their former position.

AP350 Antenna Orientation

For AP350 devices, attach the articulated antennas and arrange them so that the center antenna is vertical, and the side antennas are slanted 45° away from the center antenna, as shown.

Surface Mount

You can use the mounting plate to attach the AP to any surface that supports its weight, and to which you can screw or nail the plate. First, mount the plate to the surface. Then, in the open space in the L-shaped mounting plate, make a hole in the wall so that you can pass the cables through to the AP. Finally, attach the device to the plate, connect the cables, and for the AP350, attach the antennas.

Mount the AP on a wall as explained below.

① With the two flexible V-shaped tabs at the sides of the plate extending away from the surface, attach the mounting plate to a secure object such as a wall, ceiling, post, or beam.

Note: *There are various holes through which you can screw or nail the plate in place. Choose the two or three that best suit the object to which you are attaching it.*

(Bird's eye view)

Mounting Plate

V-shaped tab

Security tab extension

V-shaped tab

Tab slot

Tab slot

Security tab cavity

② Cut or drill a hole in the wall in the open space in the L-shaped mounting plate, pass the cables through to the AP, and connect them. (You can also run the cables along the wall to the AP instead of through a hole.)

Depending on how the device is powered and how it connects to the network, connect a power cable and one or two Ethernet cables. (The cables are not shown in the illustration.)

③ Align the tabs and security tab extension on the mounting plate with the tab slots and security tab cavity on the AP.

④ Push the AP against the mounting plate until the tabs click inside the tab slots.

For the AP350, attach either the articulated or non-articulated antennas. When using the articulated antennas, orient them vertically for best coverage.

Locking the Device

To lock the AP to the rail mount or mounting plate, use either a Kensington lock or the security screw that is included with the mounting kit. To use a Kensington lock, loop the cable attached to the lock around a secure object, insert the T-bar component of the lock into the device lock slot on the HiveAP, and then turn the key to engage the lock mechanism.

To lock the AP to the rail mount or mounting plate or to lock the USB port cover, use the security screw, which is included in the mounting kit. You also need a drilled spanner insert bit for size #6 security screws and a screw driver that will accept the bit. The correct bits are available from Aerohive in sets of three (AH-ACC-SEC-BIT-330-350-3PK). To use the security screw, refer to the illustration below.

Note: *If security is not an issue, Aerohive recommends using the #6-32 1/2" non-security screw to attach the USB port cover in place over the USB port.*

① If you want to hide the USB port, attach the USB port cover by pushing the tab on the cover into the port.

② Insert the security screw through the hole in the cover and the hole in the chassis. Using a screwdriver with a drilled spanner bit, fasten the screw to the security tab extension on the rail mount. (If you want to expose the USB port, use the security screw without the cover.)

Rail mount or mounting plate

USB port

Security tab extension

USB port cover

Lock slot

Security screw

Screwdriver