DC Power Supply Installation Guide

Required Tools

To install the DC power supply, you will need some tools.

Prepare the following before starting this procedure:

- A wire stripper
- A 3mm flat blade screwdriver
- A 1/2 inch wide flat blade screwdriver
- A torque wrench

Powering the AP with DC

The AP can accommodate two sources of power - PoE (48V) power and 12V DC.

The AP can draw power from the Ethernet port as a class 3 device, providing a maximum of 12.95W to the system. Alternately, power can be supplied through a customer-provided 12V DC power supply (7-20V DC acceptable) that will connect to a two-pin terminal block. The terminal block is located behind the DC port on the AP chassis. The terminal block connection has surge and polarity protection to protect against inserting the wrong polarity leads into the terminal block.

NOTE: When both 12V DC and the 48V PoE power are active, the AP will prioritize the 12V DC power.

NOTE: When transitioning from PoE to DC power (or vice versa), the AP may restart automatically.

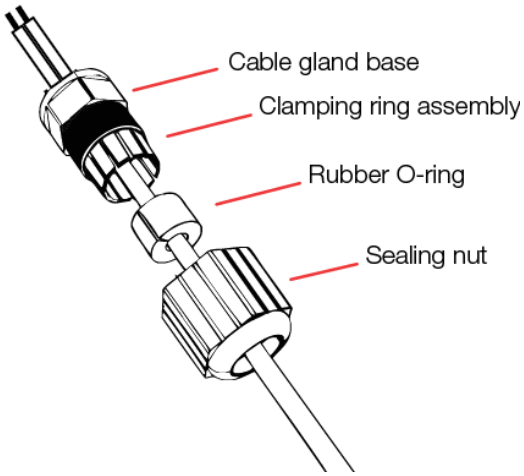
NOTE: Cable gland use is mandatory, and the DC wires must be inserted into the cable gland first before making the connection to the unit. Otherwise, you will need to disconnect again to install the cable gland.

NOTE: The cable gland is an orderable accessory with either a single or dual hole.

Assembling the Cable Gland

1. Use a wide flat-blade screwdriver to remove the required blanking cap from the AP.
2. Using a wire stripper, cut and strip the DC source wires.
3. Feed the end of the cable through the sealing nut, rubber O-ring, clamping ring assembly and cable gland base as shown in the following illustration.

FIGURE 1 DC Power cable and cable gland assembly



4. Insert the +/- wires into the correct positions as labeled on the housing silkscreen.
5. Tighten the terminal block screws to secure the wires.
6. Tighten the cable gland base into the AP chassis to 7 N.m or 62 in-lbs.
7. Wrap the clamping ring assembly and rubber O-ring in the cable gland base. Make sure that the clamping ring assembly fully encloses the rubber O-ring.
8. Seat the clamping ring assembly and rubber O-ring in the cable gland base.
9. Hand-tighten the sealing nut.

CAUTION! Ruckus Wireless also strongly recommends that you form a drip loop on any cable that is connected to devices that are installed outdoors, to prevent water from running along the cable and entering electrical components.

Troubleshooting

CAUTION! If required, you can reset the AP to its factory default settings by pressing the reset button located inside the PoE IN port. Use the tip of a pen or a 3mm flat blade screwdriver to press the reset button. Press and hold the reset button for 4+ seconds to restore to factory defaults. DO NOT RESET THE AP TO FACTORY DEFAULT SETTINGS UNLESS SO INSTRUCTED. (Doing this resets the AP IP address to 192.168.0.1.)

NOTE: After a reset, you can access the internal AP web interface using https://192.168.0.1. Your device must use any other address from 192.168.0.2 through 192.168.0.254, with subnet mask 255.255.255.0. The username is super, and the password is sp-admin. Refer to the *Outdoor Access Point User Guide* for information on configuring and operating the AP. This document is available at https://support.ruckuswireless.com.

For More Information

For information on how to configure and manage the AP, refer to the *Ruckus Wireless Outdoor Access Point User Guide*, available from https://support.ruckuswireless.com.

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