



AC Power Cords for Cisco Aironet 1520 Series Outdoor Mesh Access Points

The Cisco Aironet 1520 series outdoor mesh access point (hereafter called the *access point*) supports these AC power cord options:

- 40-ft (12.2-m) power cord (AIR-CORD-R3P-40NA=) for light pole installations in the US and Canada.
- 40-ft (12.2-m) power cord (AIR-CORD-R3P-40UE=) for light pole installations in the European Union.
- 4-ft (1.2-m) streetlight power tap adapter (AIR-PWR-ST-LT-R3P=) for light pole installations in the US and Canada.



Warning

A readily accessible two-poled disconnect device must be incorporated in the fixed wiring.
Statement 1022



Caution

Prior to connecting or disconnecting a power cord, you must remove AC power from the power cord using a suitable service disconnect.



Note

European Union users need to install a country-specific plug to the blunt cut end of the cable assembly.

Table 1 AC Power Cord Information

| AC Power Cord | Cord Diameter | Comment |
|--------------------|--|--|
| AIR-CORD-R3P-40NA= | 0.398 to 0.413 in. (10.1 mm to 10.5 mm) | The three prong plug is limited to 120 VAC. Internal wiring is rated at 600 VAC insulation protection. |
| AIR-CORD-R3P-40UE= | 0.398 to 0.413 in. (10.1 mm to 10.5 mm) | Power cord rating is 100 to 480 VAC. |
| AIR-PWR-ST-LT-TAP= | Strain relief bushing not needed | Power cord rating is 100 to 480 VAC. |

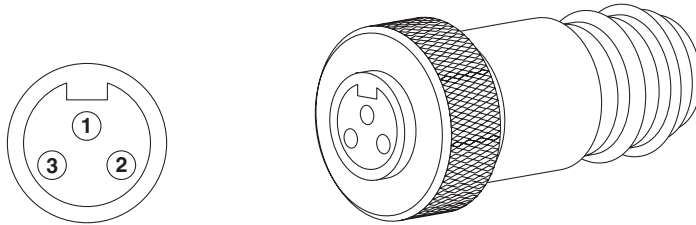


Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

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When using a user-supplied AC power plug on the AIR-CORD-R3P-40UE= power cord, ensure that the plug is certified for outdoor use and that it has a minimum IP67 rating, such as Interpower 84131251 or Hubbell HBL316P6W (IEC/EN60309) pin-and-sleeve type connectors. The European Union power cord plug pinouts are listed in [Figure 1](#).

Figure 1 **European Union Plug Pinouts**



| Pin | Description | Conductor Color | Pin | Description | Conductor Color |
|-----|-------------|-----------------|-----|-------------|-----------------|
| 1 | Ground | Green/Yellow | 3 | Neutral | Blue |
| 2 | Live | Brown | | | |


Caution

All AC power plugs and AC receptacles must be protected from water and other outdoor elements. Use a UL listed waterproofing enclosure suitable for covering the AC receptacle and AC power plug that supplies power to the unit as described in Article 406 of the NEC. If the power cord goes through a metal cover, install a bushing to prevent fraying of the cord.

When using a strain relief bushing, you should follow these recommendations:

- Use properly sized parts (see [Table 1](#) for the power cord diameter)
- Use bushings that are safety certified
- Use parts that are suitable for outdoor installation


Caution

If your power cord does not use an AC power plug, you must ensure that the power source is OFF before connecting or disconnecting the power cord wires from the power source.


Warning

When installing or replacing the unit, the ground connection must always be made first and disconnected last. Statement 1046

Related Documentation

These documents provide additional information about installing the access point:

- *Cisco Aironet 1520 Series Outdoor Mesh Access Point Hardware Installation Guide*
- *Cisco Aironet 1520 Series Outdoor Mesh Access Point Mounting Instructions* (shipped with your access point)

Click this link to browse to the Cisco Support and Documentation page:

<http://www.cisco.com/cisco/web/support/index.html>

To browse to the access point documentation, click **Cisco Aironet 1520 Series** listed under “Outdoor Wireless.”

Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

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