



INSTALLATION
AND
ADMINISTRATION
GUIDE

Cisco Small Business

Power Accessories
SB-PWR-12V2A
SB-PWR-INJ2

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Power Accessory Installation

This book describes how to install and administer the Power Adapter and Power over Ethernet (PoE) Injector.

Product Summary

Summary of accessories in this guide:

- SB-PWR-12V2A Power Adapter—A desktop 12 V 2A power adapter.

The Power Adapter is an external power adapter specifically designed for the Cisco WAP121/WAP321/WAP371 Wireless Access Points. It is required when PoE is not in use to supply system DC power. This power adapter can be used with other Cisco Small Business products.

- SB-PWR-INJ2 Power over Ethernet (PoE) Injector—An inline single-port Gigabit 802.3af/802.3at PoE Injector.

The PoE Injector is used to provide DC voltage to the downstream device, such as a Wireless Access Point or IP Phone when connected to a non-PoE upstream switch port. The PoE Injector has two Ethernet ports. One port connects to the non-PoE upstream device, such as a router or switch. The other port is a power sourcing port that connects to the downstream device that is PoE capable.

Unpacking the Devices

The Power Adapter includes in the box:

- SB-PWR-12V2A Power Adapter
- Power cord
- Pointer card

The PoE Injector includes in the box:

- SB-PWR-INJ2 PoE Injector
- Power cord
- Pointer card

Additional Requirements

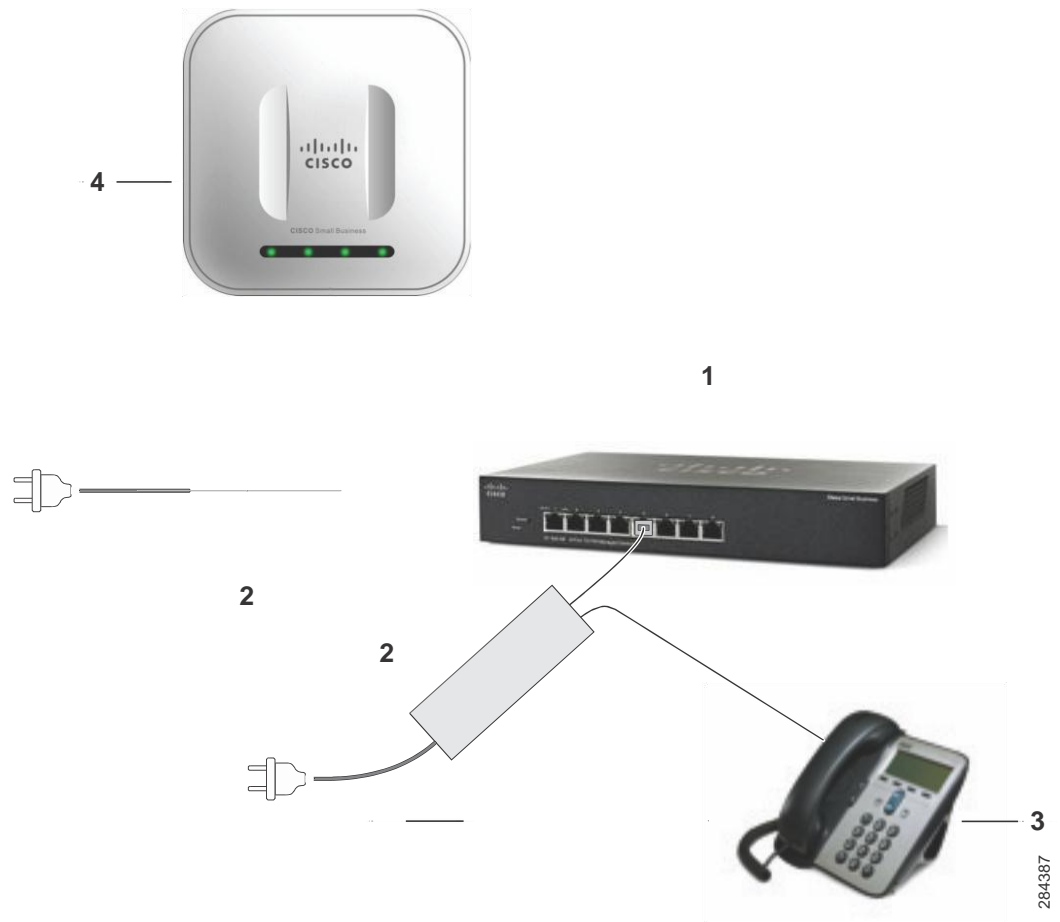
Two straight-through, Category 5 Ethernet cables to connect the PoE Injector to the network or to the access point or bridge. If you install the access point or bridge in an environmental air space, such as above a suspended ceiling, check national and local safety codes to make sure that the Ethernet cable you connect to the unit meets applicable standards.

Installing the Power Adapter

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- STEP 1** Attach the power cord to the power adapter.
 - STEP 2** Plug the power adapter's 12V DC power output jack into the access point or other device.
 - STEP 3** Plug the other end of the power cord to an AC power source.
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Installing the PoE Injector

The following illustration shows a typical installation.



1. Cisco Unmanaged or Managed Switch
2. Cisco Small Business PoE Injector
3. Cisco Small Business Voice Endpoint with PoE
4. Cisco Small Business Wireless Access Point with PoE

Follow these steps to install the PoE Injector:

- STEP 1** Plug a straight-through, Category 5 Ethernet cable into the port on the PoE Injector labeled Data & Power Out.
- STEP 2** Plug the other end of the Ethernet cable into the Ethernet Port of the PoE access point or other device.
- STEP 3** Plug a straight-through, Category 5 Ethernet cable into the port on the PoE Injector labeled Data In.
- STEP 4** Plug the other end of the Ethernet cable into your 10/100 Ethernet switch, hub, or network.
- STEP 5** Attach the power cord to the PoE Injector.
- STEP 6** Plug the other end of the power cord to an AC power source.
- STEP 7** Check the lights on the PoE Injector:

Color	Description
Yellow	Power is on.
Solid Green	A remote device is connected.
Flashing Green	Indicates an error. The PoE Injector can be overloaded or have a short circuit.

PoE Injector Specifications

Environmental Specifications

Mode	Temperature	Humidity
Operating	0° to 40° C 32° to 104° F	10% to 90%; (no condensation allowed)
Storage	-20° to 70° C 4° to 158° F	10% to 90%; (no condensation allowed)

Electrical Specifications

Input Voltage	100 - 240 VAC (50/60 Hz)
Maximum Input Current	0.67 Ampere
Available Output Power (max)	33 Watts
Nominal Output Voltage	55 VDC



Where to Go From Here

Support	
Cisco Small Business Support Community	www.cisco.com/go/smallbizsupport
Cisco Small Business Support and Resources	www.cisco.com/go/smallbizhelp
Phone Support Contacts	www.cisco.com/en/US/support/tsd_cisco_small_business_support_center_contacts.html
Cisco Small Business Firmware Downloads	www.cisco.com/go/smallbizfirmware Select a link to download firmware for Cisco Small Business Products. No login is required. Downloads for all other Cisco Small Business products, including Network Storage Systems, are available in the Download area on Cisco.com at www.cisco.com/go/software (registration/login required).
Cisco Small Business Open Source Requests	www.cisco.com/go/smallbiz_opensource_request
Product Documentation	
Cisco Small Business Power Accessories	www.cisco.com/go/wap_accessories
Cisco Small Business	
Cisco Partner Central for Small Business (Partner Login Required)	www.cisco.com/web/partners/sell/smb
Cisco Small Business Home	www.cisco.com/smb