



Installing the Power Supply for the Cisco 8110 Broadband Network Termination Unit

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Unpacking the Power Supply

Upon receipt of, and before opening the power supply, inspect the package for any damage that might have occurred during shipping. If the package shows any signs of external damage or rough handling, notify your carrier's representative.



Note

When unpacking the power supply be sure to keep all original packing materials. They might be needed for storing, transporting, or returning the product.

All products returned to Cisco, under warranty, must be packed in their original packing materials.

A complete inventory should be carried out before the power supply is installed. The power supply package should include the following:

- Power supply unit
- Power Supply Installation Manual



**Caution**

All modules are susceptible to electrostatic discharge (ESD) even while installed. Take the necessary precautions to minimize electrostatic damage while handling modules.

Basic Hardware Features

The power supply is designed to be installed into the Cisco 8110 power supply slot that are located at the rear of the equipment, and provides the powering for the unit.

A basic configuration will include one power supply. A second power supply may be installed for redundancy. Each of these modules has one handle for insertion or extraction from the unit and fastening screws at the sides.

The power supply options are:

Type	Description
8110-PS-110	110 VAC Power Supply
8110-PS-DC	-48 VDC Power Supply
8110-PS-220	220 VAC Power Supply

**Caution**

Connecting 220V to 110V power supplies can cause unrecoverable damage.

Cable Connections

This section contains the following:

- Connecting 8110-PS-220 or 8110-PS-110, page 2
- Connecting 8110-PS-DC, page 3

Connecting 8110-PS-220 or 8110-PS-110

To connect your 8110-PS-220 or 8110-PS-110 AC Power Supply:

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- Step 1** Connect a minimum 14AWG ground wire to the stud located on the rear of the chassis. Fasten with a lockwasher and screw.
- Step 2** Prepare a standard mains cable with IEC 230 connector
- Step 3** Snap the cable into the 8110-PS-220 IEC 230 Inlet.
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Connecting 8110-PS-DC

To connect your 8110-PS-DC DC Power Supply:

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- Step 1** Remove the Dinkel connector from the unit
 - Step 2** Prepare a pair of 14 to 18 (16 recommended) AWG, cables
 - Step 3** Attach the -48VDC and the RETURN connections to the Dinkel connector, and fasten them using the connector screws. The polarity is detected automatically by the 8110-PS-DC.
 - Step 4** Snap the connector into the 8110-PS-DC Dinkel receptacle.
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Power Supply Installation

This section contains the following:

- Installing a Power Supply, page 3
- Removing a Power Supply, page 4

Installing a Power Supply

To install a power supply in your Cisco 8110:

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- Step 1** Verify that the module state is Out of Service (OOS), using the console or the in-band management application.
 - Step 2** If you are installing a 8110-PS-220 verify that the input voltage selector strap, located in the right side of the module, is in the right position
 - Step 3** Remove the Faceplate panel that covers the PS slot, if exists.
 - Step 4** Place the module's card edges into the right and left module guides at the rear of the Cisco 8110
 - Step 5** Slide in the module until it makes contact with the backplane, then push firmly to mate the connectors solidly with the backplane.
 - Step 6** Secure the module's front panel to the Cisco 8110 chassis using the mounting screws on the right and left of the module's front panel.
 - Step 7** Securely install and fasten each module to facilitate the installation of the one next to it.
 - Step 8** Snap the power cable
 - Step 9** Change the module state to active, using the console or the in-band management application.
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Removing a Power Supply

To remove a power supply from your Cisco 8110:

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- Step 1** Change the module state to Out Of Service (OOS) using the console, or the in band management application
 - Step 2** 2. Remove the power cable
 - Step 3** 3. Unscrew the right and left mounting screws on the front panel of the module.
 - Step 4** 4. Remove the module by pulling its handle.
 - Step 5** 5. Use faceplate panels to protect unused slots from dust and reduce electromagnetic radiation.



Caution The Cisco 8110 ventilation mechanism is not effective if empty slots are not covered with faceplate panels.



Caution Power cable should always be removed from module before unit is removed from Cisco 8110.



Caution If you store modules outside the Cisco 8110 for an extended period of time, place them in the original packaging (or equivalent packaging providing ESD protection).

Power Supply LEDs

Table 1 shows the LEDs for the power supply.

Table 1 Cisco 8110 Front Panel PS LEDs

LED Indicator	Status	Explanation
PS1	Off	PS in slot 1 Out Of Service
	On	PS in slot 1 Active.
	Blink	PS in slot 1 failed.
PS2	Off	PS in slot 2 Out Of Service
	On	PS in slot 2 Active.
	Blink	PS in slot 2 failed.

Obtaining Documentation

World Wide Web

You can access the most current Cisco documentation on the World Wide Web at <http://www.cisco.com>, <http://www-china.cisco.com>, or <http://www-europe.cisco.com>.

Documentation CD-ROM

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM is updated monthly. Therefore, it is probably more current than printed documentation. The CD-ROM package is available as a single unit or as an annual subscription.

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Cisco provides Cisco Connection Online (CCO) as a starting point for all technical assistance. Warranty or maintenance contract customers can use the Technical Assistance Center. All customers can submit technical feedback on Cisco documentation using the web, e-mail, a self-addressed stamped response card included in many printed docs, or by sending mail to Cisco.

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- Telnet: [cco.cisco.com](telnet://cco.cisco.com)
- Modem using standard connection rates and the following terminal settings: VT100 emulation; 8 data bits; no parity; and 1 stop bit.
 - From North America, call 408 526-8070
 - From Europe, call 33 1 64 46 40 82

You can e-mail questions about using CCO to cco-team@cisco.com.

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To display the TAC web site that includes links to technical support information and software upgrades and for requesting TAC support, use www.cisco.com/techsupport.

To contact by e-mail, use one of the following:

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English	tac@cisco.com
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Kanji (Japanese)	japan-tac@cisco.com
Hangul (Korean)	korea-tac@cisco.com
Spanish	tac@cisco.com
Thai	thai-tac@cisco.com

In North America, TAC can be reached at 800 553-2447 or 408 526-7209. For other telephone numbers and TAC e-mail addresses worldwide, consult the following web site:
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We appreciate and value your comments.

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