EX 3200 and EX 4200 Switch Quick Start

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NETWORKS

To install and configure an EX 3200 or EX 4200 switch, you need:

- Two mounting brackets and eight mounting screws (provided)
- If your system order includes an AC power supply—a power cord with a plug appropriate for your geographical location and a power cord retainer (provided)
- If your system order includes a DC power supply—DC power source cables (12–14 AWG) with ring lug (Molex 190700067 or equivalent) (not provided)
- Screwdriver to remove and tighten screws (Phillips (+) screwdriver, number 2)
- Electrostatic discharge (ESD) grounding strap
- Management host, such as a PC, with an Ethernet port
- Ethernet cable (provided)

For more information about the tasks described in this quick start and other setup tasks, see the EX-series documentation at http://www.juniper.net/techpubs/.

Part 1: Install a Power Supply in the Switch (If It Is Not Installed)

To install each power supply in the switch chassis:

1. Remove the power supply from the bag. Take care not to touch power supply components, pins, leads, or solder connections.
2. Push down on the locking lever on the left front of the power supply until it is in its lowest position (see the figure in Part 3 for the location of the locking lever). You might need to loosen the locking lever screw to move the lever.
3. Using both hands, place the power supply in the power supply slot on the rear panel of the switch and slide it in until it is fully seated.
4. Push the locking lever up to its highest position (this action might pull the power supply in). Tighten the locking lever screw using a Phillips (+) screwdriver, number 2.

Part 2: Install the Switch

1. Attach an ESD grounding strap to your bare wrist and connect the strap to an outside ESD point.
2. Attach the mounting brackets to the switch chassis by using mounting screws.
3. Make sure the rack is properly secured to the building in its permanent location.
4. Have one person grasp both sides of the switch, lift the switch, and position it in the rack, aligning the bracket holes with the threaded holes in the rack.
5. Have a second person install a mounting screw into each of the bracket holes.

Part 3: Connect Power to the Switch

NOTE: If you are interconnecting multiple switches as a virtual chassis, power on only one switch—the one you will use as the master.

To connect AC power to the switch:

1. Squeeze the two sides of the power cord retainer clip, and insert the L-shaped ends of the wire clip into the holes in the bracket on each side of the AC appliance inlet on the power supply faceplate.
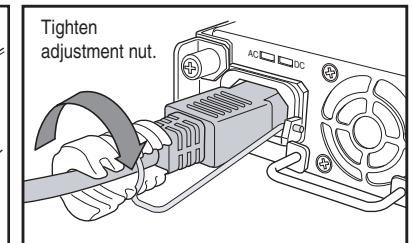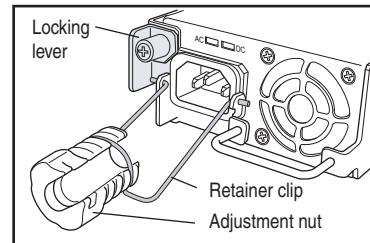
2. Insert the coupler end of the power cord into the AC appliance inlet.
3. Push the cord into the slot in the adjustment nut of the power cord retainer. Turn the nut until it is tight against the base of the coupler and the slot in the nut is turned 90° from the top of the switch.
4. If the AC power source outlet has a power switch, set it to the OFF (0) position.
5. Insert the power cord plug into the power source outlet.
6. If the AC power source outlet has a power switch, set it to the ON (|) position.
7. Repeat these steps for each AC power supply.

To connect DC power to the switch:

Each DC power supply has four terminals labeled A+, A−, B+, and B−. The power supply is shipped with jumpers from A+ input to B+ input tied together and jumpers from A− input to B− input tied together.

WARNING: On each power supply, ensure that the input circuit breaker is open so that the voltage across the DC power source cable leads is 0 V and that the cable leads will not become active while you are connecting DC power.

1. On each power supply, remove the screw that secures the terminal block cover and remove the cover. Save the screw.
2. Connect the power supplies to the power sources. Secure power source cables to the power supplies by screwing the ring lug attached to the cable to the appropriate terminal (use the screw from the terminal).
   - To connect a power supply to a power source: Leave the jumpers in place and secure the positive power source cable to the A+ terminal and the negative power source cable to the A− terminal.

   If you have a second installed power supply, connect it in the same way you did the first.

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- To connect one power supply to two power sources: Remove the jumpers and secure the positive power source cable of the first power source to the A + terminal and the negative power source cable to the A– terminal. Then secure the positive power source cable of the second power source to the B + terminal and the negative power source cable to the B– terminal.

3. Replace the terminal block cover and secure it using the screw.

4. Close the input circuit breaker. Verify that the LEDs on the power supply are lit green and are on steadily.

Part 5: Perform Initial Configuration

NOTE: To obtain an IP address dynamically, you must enable a DHCP client on the management PC you connect to the switch.

1. To transition the switch into initial setup mode, use the **Menu** and **Enter** buttons to the right of the LCD panel on the front panel of the switch:

   - Press **Menu** until you see MAINTENANCE MENU. Then press **Enter**.

   - Press **Menu** until you see ENTER EZSetup. Then press **Enter**.

   If EZSetup does not appear as an option in the Maintenance menu, select Factory Default to return the switch to the factory default configuration. EZSetup is displayed in the menu only when the switch is set to the factory default configuration.

   - Press **Enter** to confirm setup and continue with EZSetup.

   The ge-0/0/0 interface on the front panel of the switch is configured as the DHCP server with the default IP address, 192.168.1.1. The switch can assign an IP address to the management PC in the IP address range 192.168.1.2 through 192.168.1.253.

NOTE: You must complete the initial configuration using the J-Web interface within 10 minutes. The LCD displays a count-down timer once you connect the switch to the management PC. The switch exits the EZSetup mode after 10 minutes and reverts to factory default configuration, and the PC loses connectivity to the switch.

2. Insert one end of the Ethernet cable into the Ethernet port on the PC and connect the other end to port 0 (ge-0/0/0) on the front panel of the switch.

3. From the PC, open a Web browser, type http://192.168.1.1 in the address field, and press **Enter**.

4. On the Login page, enter root as the username, leave the password field blank, and click **Login**.

5. On the Introduction page, click **Next**.

6. On the Basic Settings page, enter the hostname, enter and reenter a password, specify the time zone, and synchronize the switch date and time settings with the management PC or set them manually.

7. Click **Next**.

8. Use the Management Options page to select the management scenario:

   - **In-band Management—Use VLAN 'default' for management**
     Select this option to configure all data interfaces as members of the default VLAN. Click **Next**. Specify the management IP address and the default gateway.

   - **In-band Management—Create new VLAN for management**
     Select this option to create a management VLAN. Click **Next**. Specify the VLAN name, VLAN ID, member interfaces, and management IP address and default gateway for the new VLAN.

   - **Out-of-band Management—Configure management port**
     Select this option to configure only the management interface. Click **Next**. Specify the IP address and default gateway for the management interface.

9. Click **Next**.

10. On the Manage Access page, you may select options to enable Telnet, SSH, and SNMP services. For SNMP, you can configure the read community, location, and contact.

11. Click **Next**. The Summary page displays the settings you have selected.

12. Click **Finish**. The configuration is committed as the active switch configuration. You can now log in with the CLI or the J-Web interface to continue configuring the switch.

NOTE: After the configuration is committed, the connectivity between the PC and the switch might be lost. To reconnect, release and renew the IP address by executing the appropriate commands on the PC or by removing and reinserting the Ethernet cable.

Safety Warnings Summary

This is a summary of safety warnings. For a complete list of warnings, including translations, see the EX-series documentation at http://www.juniper.net/techpubs/.

WARNING: Failure to observe these safety warnings can result in serious physical injury.

- Permit only trained and qualified personnel to install or replace switch components.

- Perform only the procedures described in this quick start and the EX-series documentation. Only authorized service personnel must perform other services.

- Before installing an EX 3200 or EX 4200 switch, read the planning instructions in the EX-series documentation to make sure that the site meets power, environmental, and clearance requirements for the switch.

- Before connecting an EX 3200 or EX 4200 switch to a power source, read the installation instructions in the EX-series documentation.

- Manually installing an EX 3200 or EX 4200 switch requires one person to lift the switch and a second person to install mounting screws. To prevent injury, keep your back straight and lift with your legs, not your back.

- If the rack has stabilizing devices, install them in the rack before mounting or servicing an EX 3200 or EX 4200 switch in the rack.

- Before installing or after removing an electrical component, always place it component-side up on a flat antistatic surface or in an electrostatic bag.

- Do not work on the switch or connect or disconnect cables during electrical storms.

- Before working on equipment that is connected to power lines, remove jewelry, including rings, necklaces, and watches. Metal objects heat up when connected to power and ground and can cause serious burns or become welded to the terminals.

Contacting Juniper Networks

For technical support, see http://www.juniper.net/support/requesting-support.html.