

Dahua DH-S7800 L3 Switch Series Installation Quick Start

T2.00406062



- This document provides instructions on how to quickly install DH-S7800 switches. For more information, see Dahua DH-S7800 L3 Switch Series Installation Guide.
- The figures in this document are for illustration only.
- The installation procedure is similar for the DH-S7800 switches. The following uses a DH-S7806 switch as an example unless otherwise specified.

Safety recommendations

To avoid equipment damage or bodily injury, read the following safety recommendations before installation. Note that the recommendations do not cover every possible hazardous condition.



- To prevent ESD damage, always wear an ESD wrist strap and make sure it is reliably grounded before you touch the switch, cards, or PCB.
- Do not install the switch, FRUs, or cables when the switch is powered on.
- To avoid equipment damage or bodily injury, make sure the switch is reliably grounded before powering on the switch.

Tool list



Prepare the following installation tools yourself as required.



Flat-blade screwdriver



Phillips screwdriver



Needle-nose pliers



Diagonal pliers



Marker



Wire-strip ping pliers

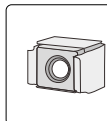


Claw hammer

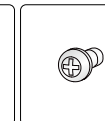
Installation accessories



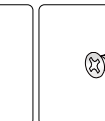
This section only lists the most commonly used installation accessories.



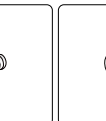
Floating nut



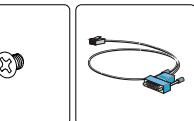
M6 screw



M4 counter-sunk-head screw



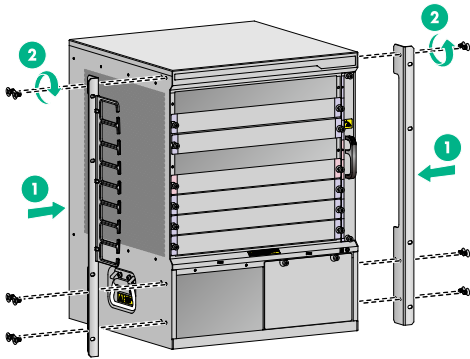
M3 counter-sunk-head screw



Console cable

1

Installing mounting brackets



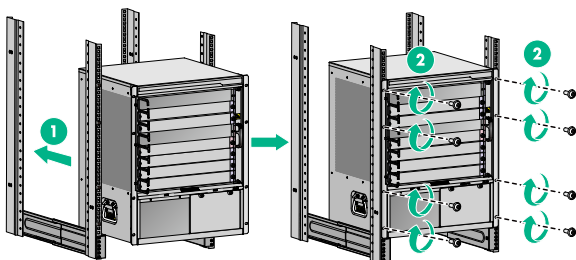
Installing the switch in a rack



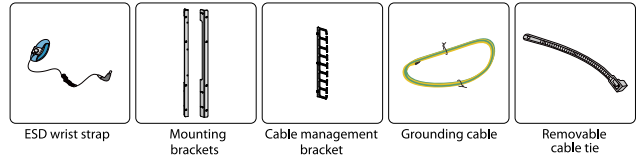
Use a minimum of two people to move the switch. For heavy models, use a mechanical lift as a best practice.



- Do not try to move the chassis by holding an FRU handle, air vents of chassis, or the handle on the rear. Any attempt to carry the switch with these parts might cause equipment damage or even bodily injury.
- After placing the switch on the slide rails, do not leave go of your hands immediately because this might tip the switch. Tipping the switch might cause switch damage and even bodily injury.

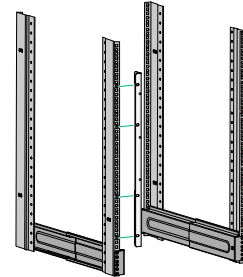


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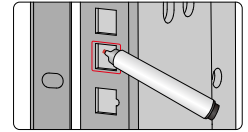


Installing the switch

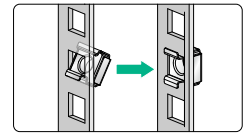
Attaching cage nuts to the rack



1. Determine the cage nut installation holes based on the mounting bracket and slide rail installation positions.



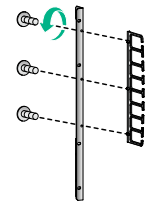
2. Mark the cage nut installation holes.



3. Install cage nuts.

Installing cable management brackets

Attach the cable management bracket to the left mounting bracket, which has installation holes for the cable management bracket.



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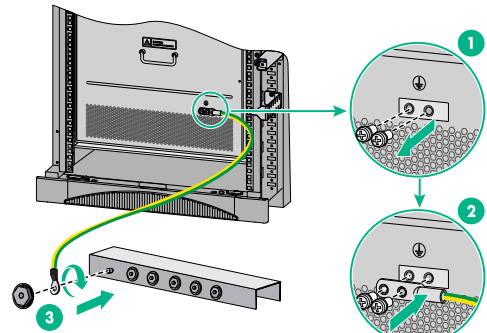
Grounding the switch



To ensure the grounding effect, use the yellow-green grounding cable provided with the switch to ground the switch.



Connect the grounding cable to the grounding system in the equipment room. Do not connect it to a fire main or lightning rod.

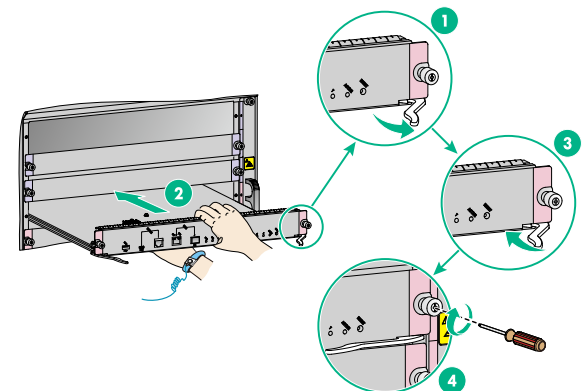


Installing FRUs

Installing cards



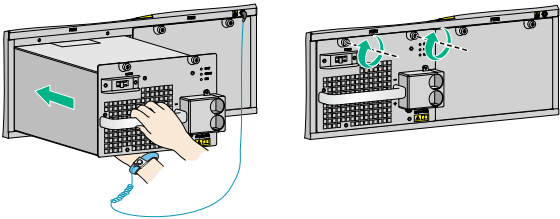
Before installing a card in the chassis, make sure the connectors on the card are not broken or blocked.



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Installing power modules

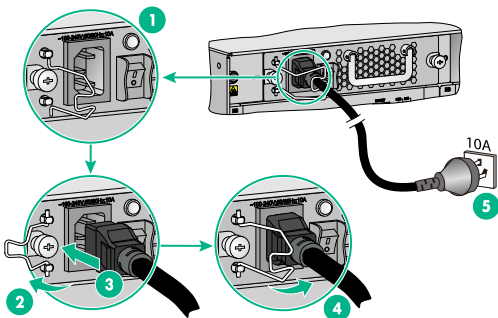
- For dual-grid input, the input voltage, phase, and frequency for the two grids must be the same.
 - To use two power modules, provide a circuit breaker for each power module.
 - ⚠ Do not install power modules of different models on the same switch. Make sure you do not install a power adapter and a 3RU power module on the same switch.
 - To avoid power module damage or bodily injury, move a power module by supporting its bottom instead of holding its handle.
- To use a power module adapter, first install the power module adapter in the chassis, and then install power modules in the adapter. The installation procedure is similar for power modules and power module adapters.



Connecting power cords

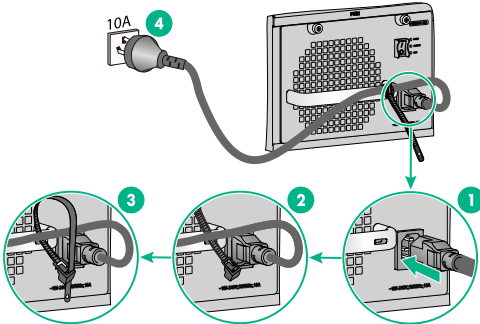
- ⚠ Before connecting an AC power cord, make sure the circuit breaker at the power source end is turned off.
- Before connecting a DC power cord, make sure the circuit breakers for the positive (+) and negative (–) terminals at the power source end are switched off.

Connecting the power cord for a PSR320-A power module



Connecting the power cord for a PSR650C-12A power module

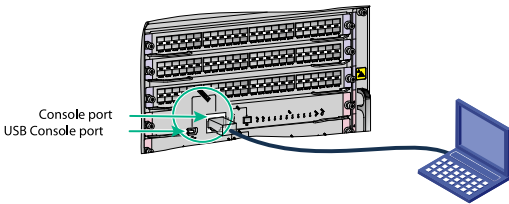
The PSR650C-12A power module uses a 10A AC power cord.



Accessing the switch

Connecting the console cable

To access the switch for the first time, use a console cable to connect the console port or USB console port on the switch. If you connect both the console port and USB console port, only the USB console port is available.



Powering on the switch and verifying its operation

Make sure the power cords are connected correctly and the power source is operating correctly. Then power on the switch. Verify that the switch is operating correctly by observing the LEDs on the switch. For description of the device LEDs, see Dahua DH-S7800 L3 Switch Series Hardware Information and Specifications.

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