

M5 and M10 Internet Backbone Routers Four-Post Mounting Kit Installation Instructions

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This document describes how to install a Juniper Networks M5 or M10 Internet Backbone Router into a four-post rack or cabinet using the four-post mounting kit.

For additional installation and configuration information, refer to the following documentation:

- *M5 and M10 Internet Backbone Routers Hardware Installation Guide*
- *JUNOS Internet Software Operational Mode Command Reference*
- JUNOS Internet software configuration guides

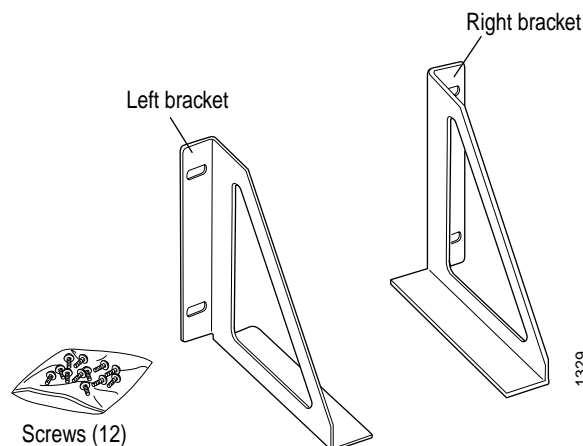
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Four-Post Mounting Kit Description

You can mount a Juniper Networks M5 or M10 router in a center-mount or front-mount rack, or in a four-post rack or cabinet. The four-post mounting kit contains the hardware that enables you to mount the router into a four-post rack or cabinet.

The four-post mounting kit consists of a pair of triangular brackets and a set of 12 flat-head screws (see Figure 1). You replace the round-head screws on the sides of the chassis with the flat-head screws, and attach the brackets to the rear posts of the rack or cabinet. You mount the router in the rack, resting it on the flanges extending from the brackets.

Figure 1: Four-Post Mounting Kit



Tools and Parts Required

To install the four-post mounting brackets, you need the following tools and parts:

- Philips (+) screwdrivers, numbers 1 and 2
- Electrostatic discharge (ESD) grounding wrist strap

Replace the Screws on the Router Chassis

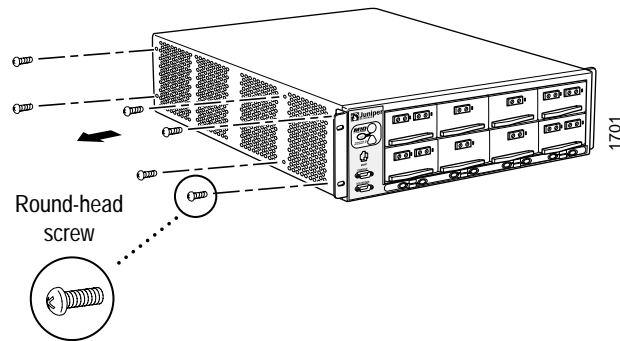
If your M5 or M10 router has round-head screws on the sides of the chassis, you must remove these screws and replace them with the included flat-head screws. The round-head screws do not provide sufficient clearance to mount the router in some four-post racks. If your router has flat-head screws installed, you do not need to replace them.



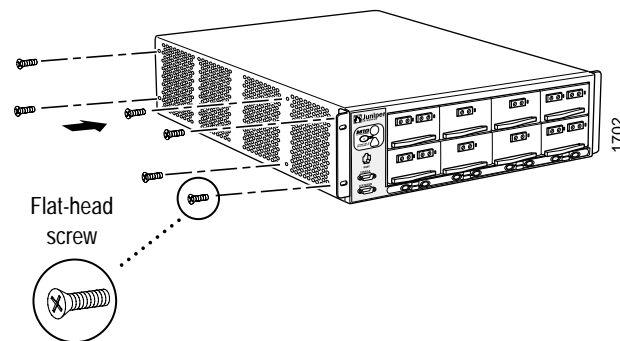
The mounting ears installed on the router must be moved from the center sides to the front sides of the chassis before mounting the router in a four-post cabinet. You can move the mounting ears at the same time you replace the screws on the sides of the chassis.

To replace the round-head screws on the sides of the router chassis with the flat-head screws in the mounting kit, follow this procedure:

1. Attach an ESD wrist strap to your bare wrist and connect the wrist strap to one of the two ESD points on the chassis.
2. Using a Philips number 2 screwdriver, loosen the screws on one side of the chassis.
3. Pull the screws straight out from the chassis (see Figure 2).

Figure 2: Remove Round-head Screws from Chassis

4. Insert the flat-head screws into the empty screw holes.
5. Screw the flat-head screws all the way into the router chassis (see Figure 3).

Figure 3: Install Flat-head Screws into Chassis

6. Repeat Steps 2 through 5 for the other side of the chassis.

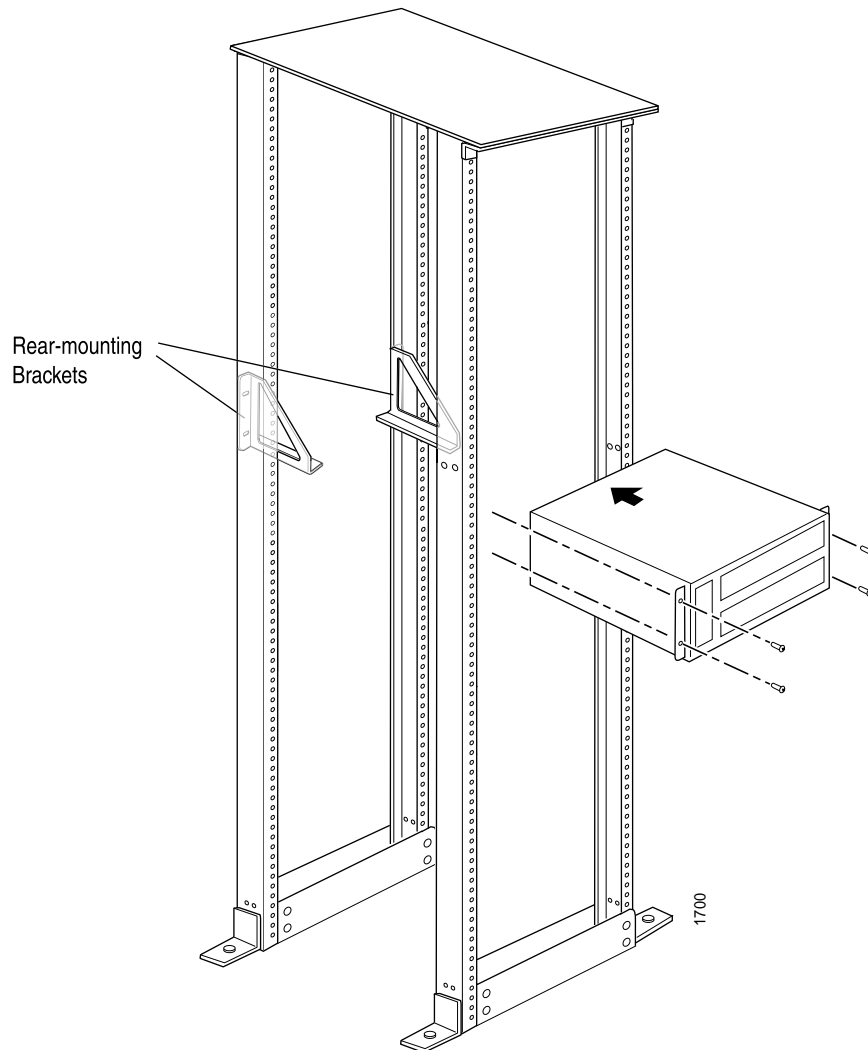
Install the Router into a Four-Post Rack

To install the router into a four-post rack or cabinet, follow this procedure (see Figure 4):



Two people are required to lift the router and mount it into a rack. A fully configured chassis weighs approximately 65 lbs (29.5 kg). Failure to use at least two people to install the router could result in personal injury or damage to the router.

1. Make sure that the cabinet is installed in its permanent location and is secured to the building, and that you have allowed adequate clearance for both air flow and maintenance. For more information, see the section "Prepare the Site" in the *M5 and M10 Internet Backbone Router Hardware Installation Guide*.
2. Attach an ESD wrist strap to your bare wrist and connect the wrist strap to one of the two ESD points on the chassis.
3. If the mounting ears are located in the center sides of the chassis, move them to the front sides of the chassis, securing them with the screws.
4. Install the brackets onto the cabinet or rack, attaching one bracket to each rear post so that the flange on the bracket is facing inward from the bottom. The router rests on the flanges, which help support the weight of the router. Make sure the brackets are mounted level with one another.
5. With one person at the front and one at the back of the chassis, grasp the front and side of the router, lift the router, and position it in the cabinet, resting on the flanges of the brackets.
6. Align one of the mounting holes in the post with the bottom mounting hole in the mounting ear.
7. Level the chassis so that the same mounting hole on the other chassis rack-mounting ear is aligned with a hole in the opposite post of the rack.
8. From the front of the post, install a mounting screw into each of the two aligned holes.
9. Install mounting screws in the upper mounting holes to secure the router.

Figure 4: Install the Router into a Four-Post Cabinet

Verify That the Router Is Installed Correctly

If the router is installed properly in the rack, the mounting screws on one side of the rack should be aligned with the mounting screws on the opposite side and the top of the router should be level.

Contact Juniper Networks

For technical support, contact Juniper Networks at support@juniper.net. If you are reporting a software problem, please issue the following command from the CLI before contacting support:

```
user@host> request support information | save filename
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For documentation issues, contact Juniper Networks at tech-doc@juniper.net.

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