



Hewlett Packard Enterprise

HPE 1/8 G2 Tape Autoloader

Rack Kit Installation and Replacement



WARNING! To reduce the risk of personal injury or damage to equipment:

- Extend leveling jacks to the floor.
- Ensure that the full weight of the rack rests on the leveling jacks.
- Install stabilizing feet on the rack.
- In multiple-rack configurations, secure racks together.
- Extend only one rack component at a time. Racks may become unstable if more than one component is extended.

WARNING! The autoloader weighs 11.5 kg (25.4 lb) without media and 13.1 kg (28.9 lb) with media (8 cartridges).

When moving the autoloader, to reduce the risk of personal injury or damage to the autoloader, (1) observe local health and safety requirements and guidelines for manual material handling, (2) always remove all tapes to reduce the overall weight of the autoloader and to avoid internal damage to the autoloader, and (3) obtain adequate assistance to lift and stabilize the autoloader during installation or removal.

Overview

This document provides instructions for installing the HPE 1/8 G2 Tape Autoloader in the rack kit. If you are replacing the rack kit, see the user guide for instructions on removing the autoloader from the rack rails and removing the rack rails from the rack.

- When installing a new autoloader, start with “Removing and storing the shipping lock” (page 3).
- When installing an autoloader that might contain tape cartridges or has support feet attached, start with “Removing the tape cartridges” (page 2).

You will need the following for this procedure:

- #2 and #3 Phillips screwdriver
- Alcohol wipe or soft cloth and isopropyl alcohol if the autoloader currently has support feet attached

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Part Number: AH163-96026
Published: January 2016
Edition: 4



Removing the tape cartridges

If the autoloader has been used before, remove all of the cartridges before moving the autoloader.

△ CAUTION: The autoloader can be damaged if it is moved or rotated while it contains tape cartridges.

1. Verify that the autoloader power cable is connected to a power outlet.
2. Power on the autoloader and look at the home screen display on the front of the autoloader. The second line displays a brief status message.
 - If the status is `RDY`, the tape drive does not have a tape cartridge. Continue with step 4 to power off the autoloader.
 - If the status is `IDLE`, the tape drive has a tape cartridge inserted, but there is no activity. Continue with step 3 to move the cartridge out of the tape drive.
 - All other status messages indicate that the tape drive has a tape cartridge inserted and the tape drive is operating. Wait until the status is `RDY` or `IDLE` before continuing.
3. If a tape cartridge is in the tape drive, move it to a magazine slot or mailslot.
 - a. From the Home screen, press **Next** until the screen displays `Operations`. Press **Enter** to select.
 - b. Press **Next** until the screen displays `Move Tape`. Press **Enter** to select.
 - c. Enter the administrator password if prompted. Press **Next** until the screen displays `Drive`. Press **Enter** to select.

You have now selected the tape you would like to move. The screen now requests the destination for this tape.
 - d. Use **Previous** or **Next** to select from the possible destinations as follows:
 - Mailslot
 - Right Magazine
 - Left Magazine
 - e. When the correct destination is displayed, press **Enter** to select.

- f. If the destination selected is a magazine, use **Previous** or **Next** to display the slot. Only empty slots are listed. Press **Enter** to select.

The autoloader moves the tape from the tape drive, to the selected destination. While the autoloader moves the tape, the screen displays `Moving Tape`. Once the tape has been moved, the screen displays either `Move Complete`, or `Move Failed`. If the move failed, press **Enter** to display the error code and message explaining the failure.

4. Remove the cartridges from the magazines.
 - a. From the OCP Home screen, press **Next** until the screen displays `Operations`.
 - b. Press **Enter** to select.
 - c. Press **Next** until the screen displays `Unlock Left Magazine`.
 - d. Press **Enter** to unlock the magazine.

The screen displays `Left Magazine Unlocked`.
 - e. Pull the left magazine out of the autoloader.

Remove the cartridges from the magazine, noting their locations so each can be replaced in the proper slot.

The screen displays `Insert Left Magazine`.

Slide the magazine completely into the autoloader.

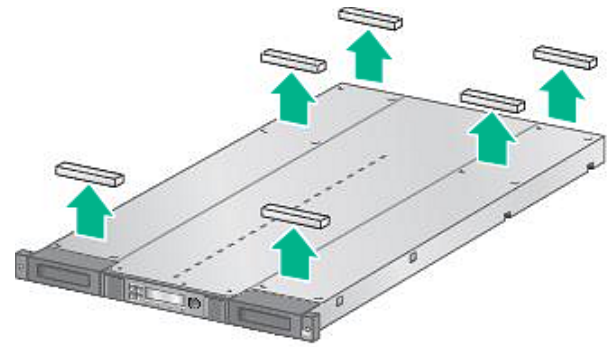
The magazine locks into place once it is correctly installed and the autoloader inventories the magazine. The Ready LED blinks while the autoloader inventories the magazine and then stops when the operation is complete.
 - f. Press **Next** until the screen displays `Unlock Right Magazine`.
 - g. Press **Enter** to unlock the magazine.

The screen displays `Right Magazine Unlocked`.

- h. Pull the right magazine out of the autoloader.
- Remove the cartridges from the magazine, noting their location so each can be replaced in the proper slot.
- The screen displays *Insert Right Magazine*.
- Slide the magazine completely into the autoloader.

5. When autoloader has completed the inventory and the OCP displays *RDY* status, power off the autoloader by pressing the power button and holding it for 3 seconds.

NOTE: If you were unable to remove cartridges from the magazines, see the user guide for instructions on using the manual magazine release.



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5. Remove any adhesive residue using an alcohol wipe or soft cloth lightly moistened with isopropyl alcohol. Do not let alcohol seep into the autoloader.
6. Gently turn the autoloader right side up.
7. Replace the shipping lock in its storage location on the back panel on the side of the fan.

Removing the autoloader feet

Skip this step if the autoloader does not have support feet.

The feet must be removed for correct robotic operation in a rack and to allow the autoloader to be securely installed in the rack within its 1U rack volume.

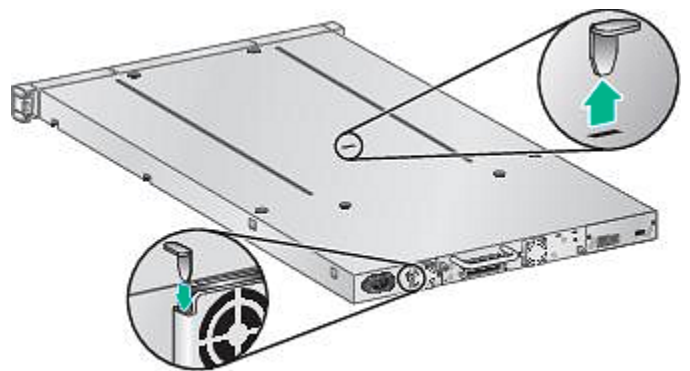
1. Disconnect any cords or cables attached to the autoloader.
2. Remove the shipping lock from its storage location on the back panel on the side of the fan.
3. Gently turn the autoloader over and set it on its top on a clean smooth surface.
4. Peel off the support feet.

 **TIP:** If a foot is difficult to remove, loosen it by gently pushing on a corner, and then gradually rolling the foot off the surface.

Removing and storing the shipping lock

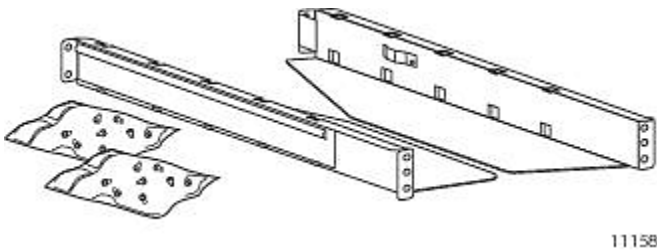
NOTE: The shipping lock is normally removed when the autoloader is first unpacked. If this is not an initial installation, the shipping lock might have already been removed and stored.

1. Locate the tape holding the shipping lock at the top of the autoloader. Remove the tape.
2. Remove the lock.
3. Store the lock in the pocket on the back panel.



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Determining your rack type



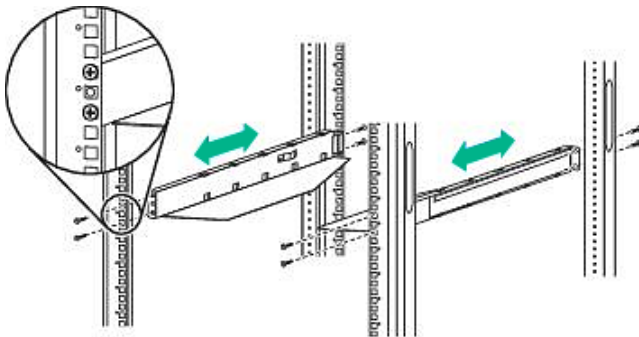
The autoloader is installed easily into the HPE Standard Series Racks, HPE Enterprise Series Racks, HPE Advanced Series Racks, HPE Rack System/E, and earlier generation HPE 9.5 mm Square-Hole Racks.

You will need a #2 and a #3 Phillips screwdriver, two rack rails, and the hardware packet for your rack.

Packet label	Applicable racks
7.1 mm Round-Hole Rack	Hewlett Packard Enterprise supported racks with 7.1 mm round holes in the rack column
9.5 mm Square-Hole Rack	Hewlett Packard Enterprise supported racks with 9.5 mm square holes in the rack column

Securing the rails to the rack

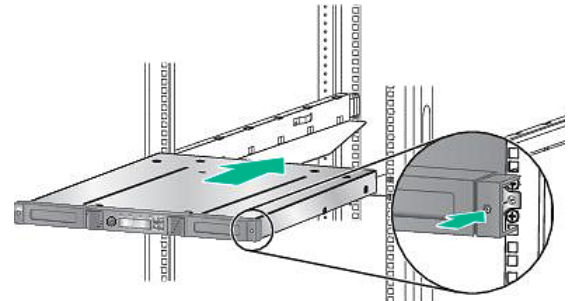
1. Using two screws from the hardware packet for your rack and a #3 Phillips screwdriver, secure the front of one rail to the front of the rack. The support platform of each rail is tapered, narrowing towards the rear.



2. Extend the rail and then use two screws to secure the other end of the rail to the rear rack column.
3. Repeat steps 1 and 2 to secure the other rail.

Installing the autoloader

1. Slide the autoloader onto the rails.
2. From the front of the autoloader, secure the front bezel to the rack using a #2 Phillips screwdriver placed through the small holes in the mounting bracket. Tighten the captive screws on each side of the autoloader until they are seated.



3. If you removed the magazines, insert them into the autoloader.

Getting help

- <http://www.hpe.com/storage/tape>: product information
- <http://www.hpe.com/support>: product support

Documentation feedback

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