

# Quick Start Guide

This document describes how to unpack and install any configuration of a REO 1500 storage appliance into a standard RETMA 19" rack. The unit has a 1U form factor.

Before unpacking the unit, ensure that the area is free from conditions that cause electrostatic discharge (ESD). Discharge static electricity from your body and avoid touching pins, leads, or circuitry.



## First Things First—Activate Your Warranty!

Before installing your new unit, it is essential that you activate your REO warranty. Technical and warranty support are not available until this is done:

1. Go to the Overland Technical Support website at: <http://support.overlandstorage.com/>

2. Using the MEMBER LOGIN, **log in** to the site.

**NOTE:** If you are not yet a member, click the *New member?* link (Figure 1) and follow the instructions. It's free!

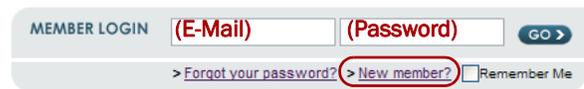


Figure 1. Login and Sign-up Links

3. From the menu on the left, select **My Products > Add or Register a Product**, and follow the on-screen instructions.

## Preparing REO 1500 for Installation

Overland recommends that you install the unit in a clean, air-conditioned environment where water and moisture cannot enter the case of the appliance. Keep the air as free from dust as possible.

Each REO 1500 comes with an Accessory Kit containing:

- Rail kit and hardware
- *REO SERIES Threaded-Hole Rack* kit
- Power cord
- *REO 1500 Documentation CD*
- This quick start guide



**CAUTION:** Overland strongly recommends that you install power conditioning and an adequately rated uninterruptible power supply (UPS). Verify the AC power to the appliance is disconnected before you install or remove the drive carrier assemblies.

## Removing Drives from REO 1500



**WARNING:** The REO 1500 is shipped with the disk drives installed. Overland recommends that you remove the drive carrier assemblies from the REO to lessen the weight prior to rack installation.

1. Turn the carrier lever lock counterclockwise (Figure 2).

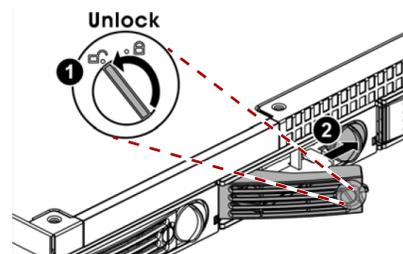


Figure 2. Unlock and Release Drive Carrier

2. Slide the release button to the right to release the lever.
3. Pull the lever and slide the drive carrier out (Figure 3).

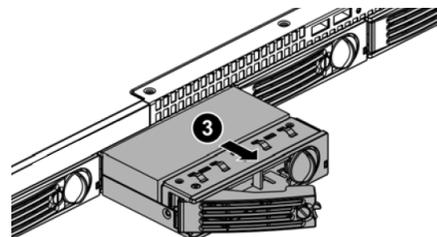


Figure 3. Removing Drive Carrier from Chassis

Leave drive in the carrier and place it on ESD surface.

# Installing REO 1500 in the Rack



**WARNING:** Install multiple units in the rack from the bottom up. Extending a unit that has empty spaces beneath it might cause the rack to tip and cause injury or damage. Overland recommends that two people be used to insert or remove a unit.

## Installing the Rail Kit

The REO 1500 comes with a rail kit for mounting the appliance in a 19-inch rack. These steps address the more common square-holed rack. Refer to the *REO 1500 Setup Guide* for installation in a rack with round holes. Refer to the enclosed *REO SERIES Threaded-Hole Rack* kit for racks with threaded holes.

1. Fully extend the rails, slide the red button on the inner member forward, and remove the inner rail (Figure 4). Slide the intermediate member back in.

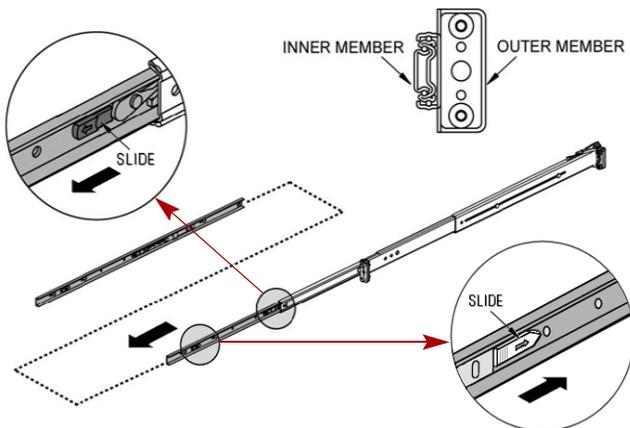


Figure 4. Inner Rail Release Clip

2. Identify and mark the screw holes on the front and rear rails of the rack where the sliding rails will be installed.

**NOTE:** Be sure rear holes are horizontally in line with the front holes to assure the unit remains level.

3. Position the right inner rail against the appliance with the locking tabs going through the holes on the rail, and slide the rail toward the rear to lock the tabs (Figure 5).

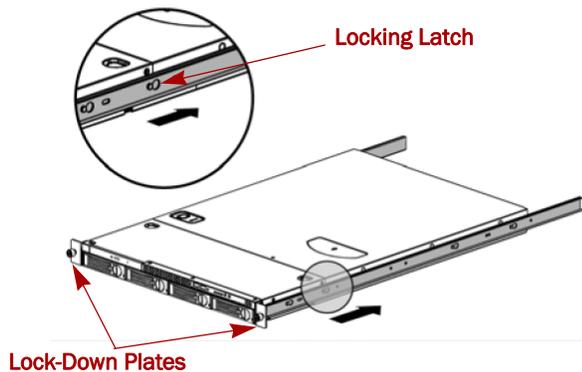


Figure 5. Attach Inner Member to REO 1500



**IMPORTANT:** Be sure the locks on the inner rail engage (click).

4. Repeat Step 3 to install the left inner member.
5. Attach right outer rail member to the rack as follows:
  - a. Adjust the length of the outer member to its maximum distance by moving the rear bracket out.
  - b. Insert the plastic insert over the front inside flange pins (Figure 6).
  - c. Secure the front of the bracket to the rack.

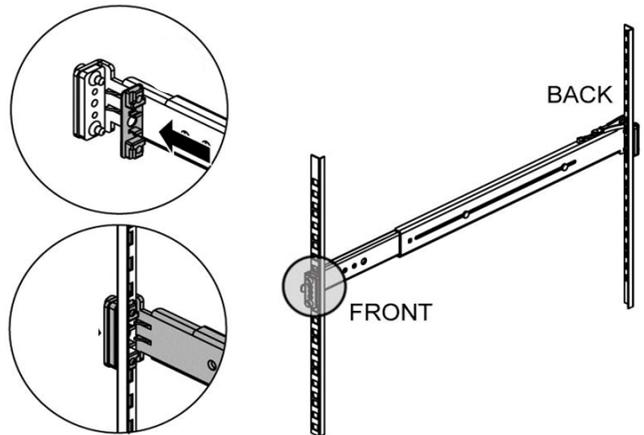


Figure 6. Attaching Front of Rail

- d. Insert the plastic insert over the rear inside flange pins (Figure 7).
- e. Place the rear of the bracket against the rack and slide the rear segment forward until the pins are in the correct holes and the locking latch clicks.



**IMPORTANT:** Be sure the lock on the rail engages (clicks).

6. Repeat Step 5 for the left slide rail assembly.

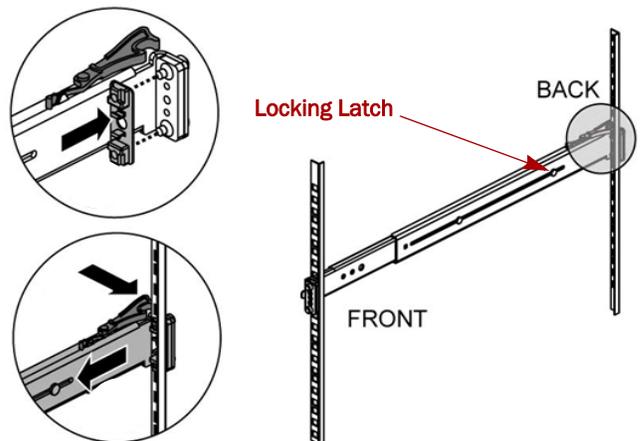


Figure 7. Attaching Rear of Rail

## Installing the REO 1500 in the Rack



**WARNING:** It is recommended that a mechanical lifter (or at least two people) be used to prevent injury during rack removal and reinsertion.

1. Using the Handle Plate kit parts, attach the rack lock-down plates (“ears”) to both sides (Figure 5 on page 2) at the front of the REO 1500.
2. At the front of the rack, pull out the middle members until they lock (click) in the extended position.
3. Engage the inner members mounted on the appliance with the intermediate members protruding from the rack, sliding the appliance in until it stops.
4. Push the white latch on both sides of the inner members toward the rack and slide the inner members into the intermediate members, sliding the appliance all the way into the rack.
5. Slide the appliance in and out several times to ensure that the rail members slide smoothly, the locks engage properly, and the appliance does not bind.

If binding occurs, verify that the front and rear flanges are mounted in the correct holes, readjusting the slide positioning as necessary.

6. Using the two screws provided, secure the appliance flanges to the rack.

## Reinstalling Drives in REO 1500

Once the appliance is in the rack, reinstall the drives back into their original slots.

1. Position the drive carrier assembly with the release button to the right before you slide it into the chassis.
2. Carefully insert the drive assembly with the lever lifted until it completely enters the bay.
3. Push the lever back in place (Figure 8).
4. Turn the lock on the lever clockwise to secure the drive carrier in the chassis.

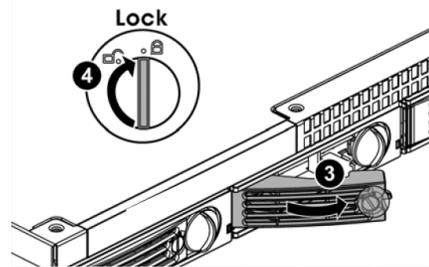


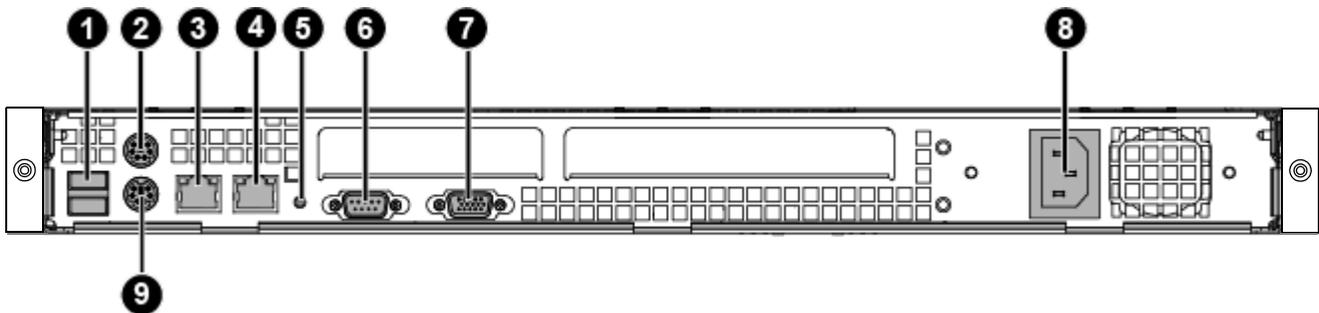
Figure 8. Locking Drive Carrier into Place

5. Repeat these steps for the remaining drive carriers.

**NOTE:** To maintain proper airflow and cooling, a disk drive or a blank drive carrier must be installed in every slot.

## Attaching Cables

All cabling and power connections are located on the rear panel of your REO appliance (Figure 9). Connections are available for Ethernet, USB, and serial cabling. All unit cooling exhaust is handled through the rear panel.



- |                     |                     |                        |
|---------------------|---------------------|------------------------|
| 1 - Dual USB ports  | 4 - Management Port | 7 - D-sub VGA port     |
| 2 - PS/2 mouse port | 5 - UID LED         | 8 - AC Power connector |
| 3 - Data Port 1     | 6 - Serial port     | 9 - PS/2 keyboard port |

Figure 9. REO Appliance Rear Panel Connections

Once the unit is secured in the rack and the disk drives installed, you are ready to attach the cables that connect the REO appliance to your host system and power source.

1. Using a Category 5e (or better) cable, connect the management system to **Data Port 1** (3).

2. Attach the power cord to the **AC Power** socket (8) on REO back panel, but do not connect the power cord to an AC power source.

3. Connect any additional cables if needed.

# Powering Up the REO 1500

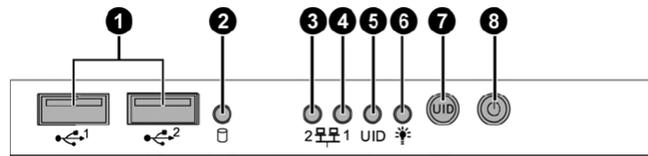
1. Plug the **power cord** into an AC power source.
2. If power is automatically enabled when you attach the cords to an AC power source, **shut down** the appliance using the Power button located on the front of the appliance (Figure 10) before continuing with the setup process.
3. To turn the appliance **ON**, press and hold the Power button for no more than one (1) second to begin the power-up sequence.

After you turn the power ON, the System performs a self-test process, which takes a couple of minutes.

4. Proceed to the **configuration** steps outlined in the following sections.

Your REO 1500 appliance is now ready to be configured.

**NOTE:** You must leave the appliance ON while completing the configuration process for your application and backup servers.



- |                           |                  |
|---------------------------|------------------|
| 1 - Dual USB port         | 5 - UID LED      |
| 2 - HDD LED               | 6 - Power LED    |
| 3 - Management Port LED   | 7 - UID button   |
| 4 - DP1 link/activity LED | 8 - Power button |

**Figure 10. Front Panel Controls and Indicators**

## Additional Information

The REO is preconfigured to use Data Port 1 as the **initial** communication mechanism for your management system. It uses default IP address **10.0.0.1** and subnet mask **255.255.255.0**.

Connect your management system to Data Port 1 (see Figure 9 on page 3 for port locations) and then configure the port information via the REO GUI. After you have completed the configuration process, move the connection from Data Port 1 to the Management Port.

**NOTE:** You cannot configure the data port to which you are currently connected. When you are connected to Data Port 1 via the default IP, you can only configure the Management Port. To configure Data Port 1, you must be connected to the Management Port.

## Launching the GUI and Logging In to REO

1. In your Web browser on the management system, enter the applicable IP address to access the REO.
2. Use the following default login (case-sensitive):  
Logon: **Administrator**  
Password: **system**  
The REO GUI appears.
3. Continue with the configuration process.

For detailed instructions on how to connect the REO to the LAN and all other appliance configuration information, see the *REO 1500 Setup Guide* on the Documentation CD.

### Additional Help

You can get additional technical support on the Internet at <http://support.overlandstorage.com>, or call 1-877-654-3429 (toll-free U.S. & Canada), +44 (0) 118-9898050 (Europe), or +1 (858) 571-5555 Option 5 (International).