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EXTRALINK EX.14749

EXTRALINK EX.14749 27U Rack Instruction Manual

Model: EX.14749

1. Introduction

This manual provides comprehensive instructions for the assembly, installation, operation, and maintenance of your EXTRALINK EX.14749 27U Independent Rack. Please read this manual thoroughly before proceeding with installation and retain it for future reference. This rack is designed to house standard 19-inch rack-mountable equipment such as switches, modems, and routers, providing an organized and secure environment for your network infrastructure.

2. Safety Information

- Always ensure the rack is placed on a stable, level surface capable of supporting the combined weight of the rack and all installed equipment.
- Distribute equipment weight evenly within the rack to prevent tipping. Install heavier equipment at the bottom.
- Use appropriate lifting techniques when moving the rack or heavy equipment. Seek assistance if necessary.
- Ensure proper ventilation around the rack to prevent overheating of installed equipment.
- Do not overload power strips or circuits connected to the rack.
- Keep all cables organized and secured to prevent tripping hazards and ensure proper airflow.
- Only qualified personnel should perform electrical work or complex installations.

3. Package Contents

Verify that all components are present and undamaged before beginning assembly. If any items are missing or damaged, contact your supplier immediately.

- EXTRALINK EX.14749 27U Rack components (unassembled)
- Assembly hardware (screws, nuts, washers)
- Keys for front and rear doors (if applicable)
- User Manual (this document)

Note: Specific quantities of hardware may vary. Refer to the included parts list for exact details.

4. Specifications

Feature	Detail
Brand	EXTRALINK
Model Number	EX.14749
Rack Units	27U
Color	Black
Material	Steel Alloy
Compatible Devices	Switch, Modem, Router
Assembly Required	Yes
Product Weight	Approximately 2 Kilograms (*Note: This weight may refer to packaging or a specific component. Actual rack weight will be significantly higher.*)

5. Setup and Assembly

The EXTRALINK EX.14749 rack requires assembly. It is recommended to have at least two people for safe and efficient assembly. Ensure you have adequate space and the necessary tools (e.g., screwdriver, wrench) before starting.

5.1 Unpacking and Inspection

1. Carefully unpack all components from the packaging.
2. Check the parts list against the received items to ensure everything is present.
3. Inspect all parts for any signs of damage during transit. Report any damage to your supplier immediately.

5.2 Rack Assembly Steps

While specific steps may vary slightly, the general assembly process for a server rack involves:

1. **Assemble the Base and Top Frames:** Secure the side rails to the base and top frame sections using the provided hardware. Ensure all connections are tight and stable.
2. **Attach Side Panels:** Once the main frame is rigid, attach the side panels. These often slide into grooves or secure with latches/screws.
3. **Install Front and Rear Doors:** Mount the front and rear doors onto their hinges. Ensure they open and close smoothly and the locking mechanisms function correctly.
4. **Install Casters/Leveling Feet:** Attach the casters (wheels) for mobility or leveling feet for stationary placement to the base of the rack. If using casters, ensure they are locked once the rack is in its final position.
5. **Install Mounting Rails:** Insert the adjustable 19-inch mounting rails into the rack frame. These rails typically have square holes for cage nuts or threaded holes for rack screws. Adjust their depth as needed for your equipment.



Image: Interior view of the EXTRALINK EX.14749 rack, illustrating the internal structure and adjustable mounting rails.

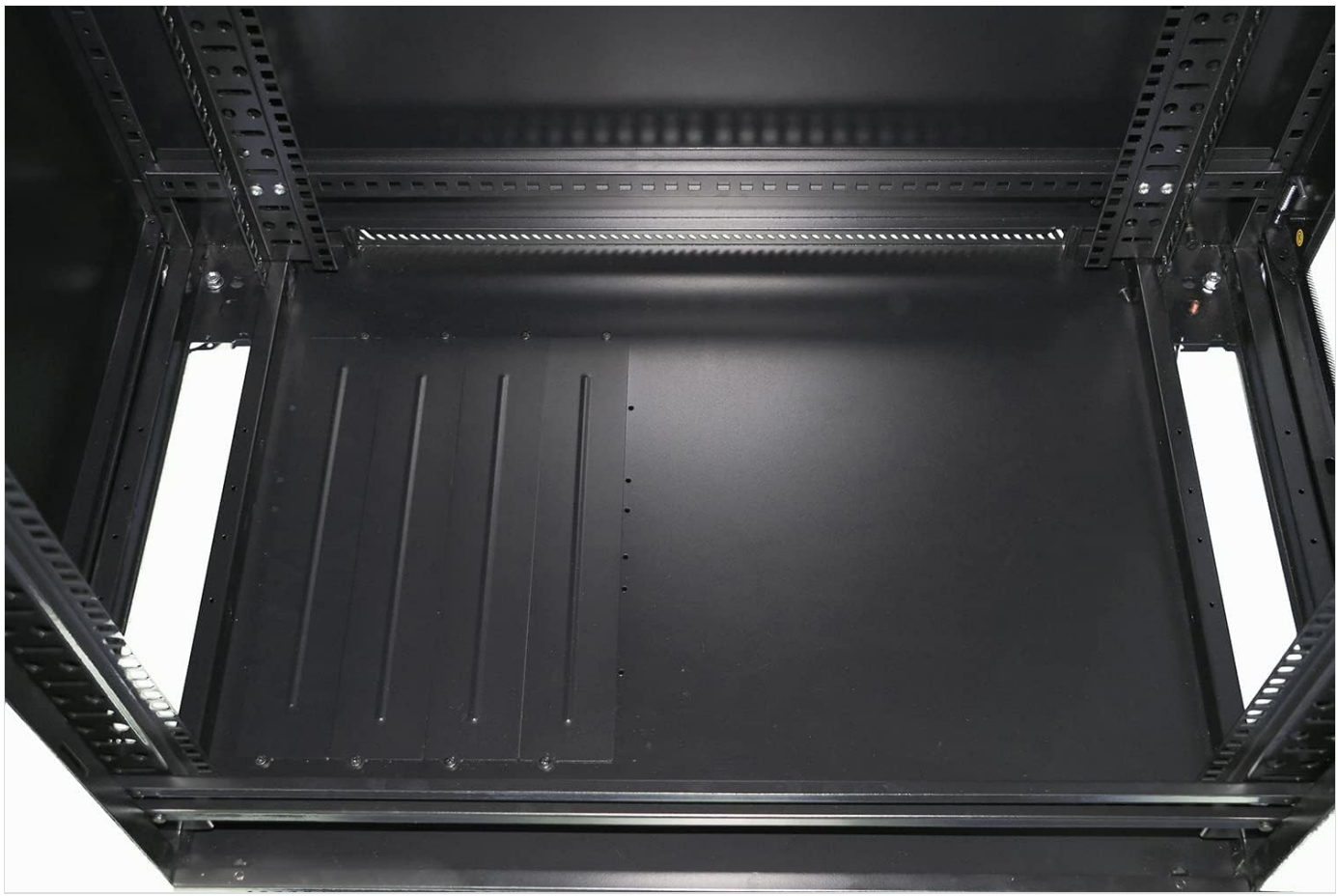


Image: Detailed view of the interior base of the EXTRALINK EX.14749 rack, showing the floor panel and cable routing options.

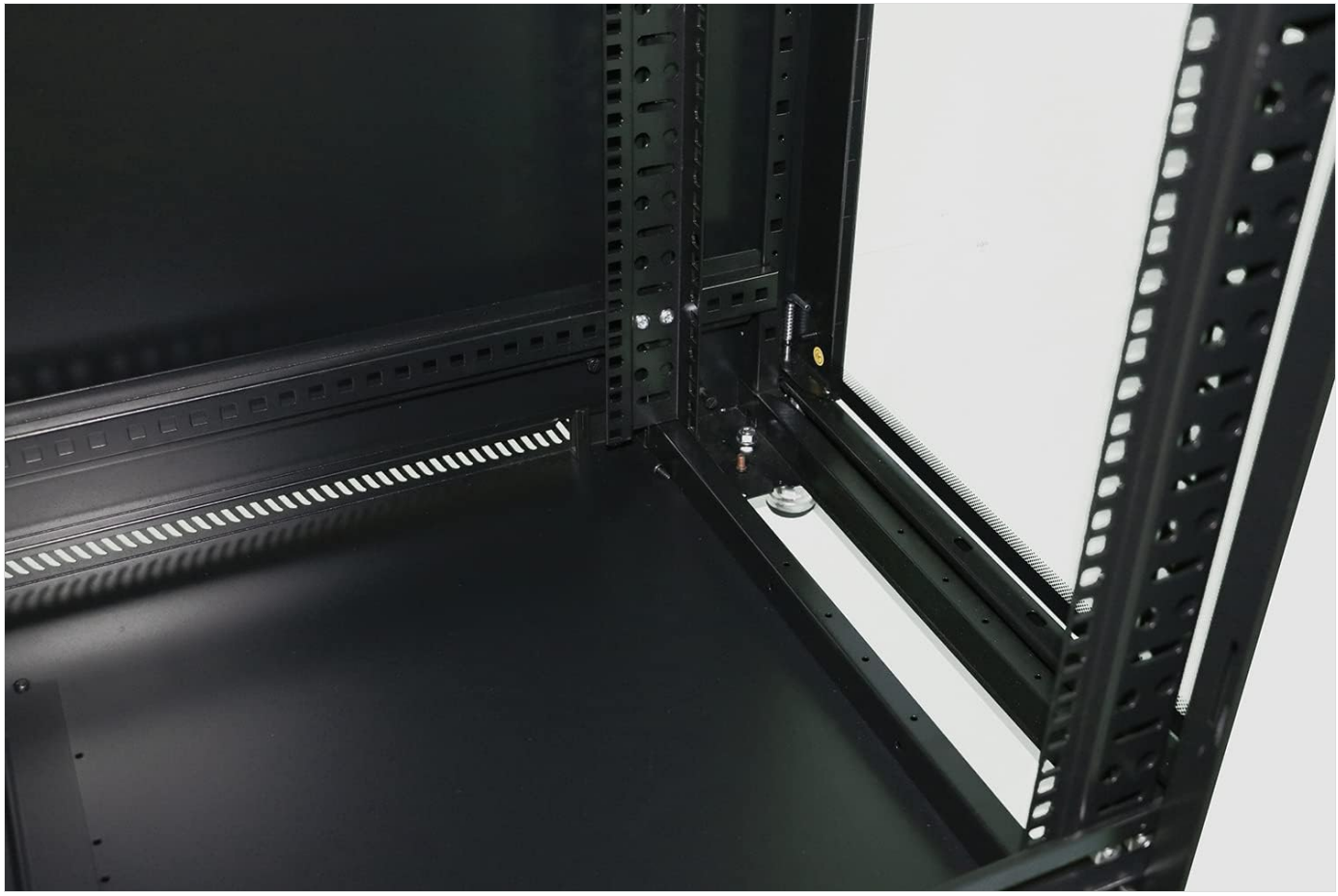


Image: Detailed view of the internal mounting points and adjustable rails within the EXTRALINK EX.14749 rack, showing where equipment is secured.


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Image: Close-up of the U-unit markings on the mounting rail of the EXTRALINK EX.14749 rack, indicating the 27U capacity.

5.3 Placement

Choose a location that is:

- Level and stable.
- Well-ventilated and away from direct heat sources or sunlight.
- Accessible for maintenance and cable management.
- Secure from unauthorized access.

6. Operating Instructions

This section details how to install and manage equipment within your EXTRALINK EX.14749 rack.

6.1 Installing Equipment

1. **Prepare Equipment:** Ensure all equipment to be installed is powered off and disconnected from external power sources.
2. **Install Cage Nuts (if applicable):** If your rack uses square holes, insert cage nuts into the desired U-unit positions on the front and rear mounting rails.
3. **Mount Equipment:** Carefully lift the equipment and align its mounting ears with the holes on the rack rails. Secure the equipment using appropriate rack screws. For heavy equipment, use rack shelves or rail kits for support.
4. **Distribute Weight:** Install heavier equipment towards the bottom of the rack to maintain stability.





Image: Front view of the EXTRALINK EX.14749 27U rack, showing the glass front door and overall structure.



Image: Rear view of the EXTRALINK EX.14749 27U rack, showing the solid rear panel and ventilation.

6.2 Cable Management

Effective cable management is crucial for airflow, accessibility, and preventing damage.

- Use cable ties, Velcro straps, or dedicated cable management panels to bundle and route cables neatly.
- Separate power cables from data cables to minimize interference.
- Leave enough slack in cables to allow for equipment removal or repositioning without strain.
- Label cables at both ends for easy identification.

6.3 Ventilation

Ensure that the rack's ventilation openings are not obstructed. If necessary, install fan units to maintain optimal operating temperatures for your equipment.

7. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your rack and the equipment within it.

- **Cleaning:** Periodically clean the exterior of the rack with a soft, damp cloth. Avoid abrasive cleaners. For interior cleaning, power down equipment and use compressed air to remove dust from fans and components.
- **Inspection:** Regularly check all screws and fasteners for tightness. Inspect cables for wear or damage. Ensure doors and locks are functioning correctly.
- **Ventilation Check:** Verify that all ventilation openings are clear and that airflow is not restricted.

8. Troubleshooting

This section addresses common issues you might encounter with your rack.

Problem	Possible Cause	Solution
Rack feels unstable after assembly.	Loose fasteners; uneven floor; improper weight distribution.	Tighten all assembly screws. Ensure the rack is on a level surface or adjust leveling feet. Redistribute equipment weight, placing heavier items at the bottom.
Equipment does not fit into mounting rails.	Incorrect rail depth adjustment; non-standard equipment size.	Adjust the depth of the mounting rails to match your equipment. Verify equipment is standard 19-inch rack-mountable.
Doors do not close or lock properly.	Misaligned hinges; bent door; obstruction.	Check hinge alignment and adjust if necessary. Inspect the door for any damage. Remove any obstructions.
Equipment overheating inside the rack.	Poor ventilation; blocked airflow; insufficient cooling.	Ensure rack ventilation openings are clear. Improve cable management. Consider installing additional fan units or a dedicated cooling solution.

9. Warranty and Support

9.1 Product Warranty

The EXTRALINK EX.14749 rack comes with a**2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, unauthorized modifications, or natural disasters.

Please retain your proof of purchase for warranty claims.

9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your EXTRALINK product supplier or authorized service center. You may need to provide your product model number (EX.14749) and proof of purchase.

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