

TRIPP LITE SR42UBG

Eaton Tripp Lite 42U Standard-Depth Rack Enclosure Cabinet (SR42UBG) User Manual

Model: SR42UBG

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1. INTRODUCTION

This manual provides essential instructions for the safe and efficient use of your Eaton Tripp Lite 42U Standard-Depth Rack Enclosure Cabinet, model SR42UBG. This cabinet is designed to house and organize server, network, and telecommunications equipment, offering a secure and structured environment. The SR42UBG features a clear acrylic window and a robust 3000-lb. capacity, meeting enclosure requirements for PCI DSS compliance.

Please read this manual thoroughly before installation and operation, and retain it for future reference.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury and damage to the equipment:

- **Weight Capacity:** Do not exceed the maximum load capacity of 3000 lbs (1360 kg). Distribute equipment weight evenly within the cabinet.
- **Stability:** Ensure the cabinet is placed on a level, stable surface. Use the included leveling feet or casters appropriately.
- **Moving the Cabinet:** The cabinet is heavy. Use appropriate lifting equipment or assistance when moving it, especially when loaded.
- **Ventilation:** Maintain adequate airflow around and within the cabinet to prevent overheating of installed equipment. Do not block ventilation openings.
- **Electrical Safety:** When installing electrical equipment, follow all local electrical codes and manufacturer's instructions. Ensure proper grounding.
- **Door and Panel Security:** Always secure doors and side panels to prevent accidental opening or unauthorized access.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking. If any components are missing or damaged, contact your vendor immediately.

- SR42UBG SmartRack 42U Standard-Depth Rack Enclosure Cabinet
- (50) M6 screws
- (50) M6 cage nuts
- (50) M6 washers
- (2) Keys
- Owner's manual (this document)

4. SETUP

The SR42UBG rack enclosure cabinet is shipped fully assembled. No assembly is required for the cabinet structure itself. The following steps detail initial placement and equipment installation.

4.1 Unpacking and Placement

1. The cabinet is delivered on a pallet. Carefully remove all packaging materials.
2. Choose a location that is level, stable, and can support the combined weight of the cabinet and all installed equipment (up to 3000 lbs).
3. Ensure adequate clearance around the cabinet for ventilation and access to doors and side panels.
4. If using the leveling feet, adjust them to stabilize the cabinet and prevent movement. If using casters, ensure they are locked once the cabinet is in its final position.



Figure 4.1: Tripp Lite SR42UBG 42U Rack Enclosure Cabinet. This image shows the fully assembled rack enclosure with its clear acrylic front door.

4.2 Equipment Installation

The SR42UBG features square mounting holes compatible with standard rack-mount equipment.

1. **Plan Equipment Layout:** Before installation, plan the placement of your equipment to ensure even weight distribution and optimal airflow. Place heavier equipment towards the bottom of the cabinet.
2. **Install Cage Nuts:** Insert the provided M6 cage nuts into the square mounting holes at the desired U-positions.
3. **Mount Equipment:** Secure your rack-mount equipment using the provided M6 screws and washers. Ensure all screws are tightened securely.
4. **Cable Management:** Utilize the cabinet's cable management features (e.g., vertical cable managers, cable pass-throughs) to organize and secure cables, preventing obstruction of airflow and simplifying maintenance.

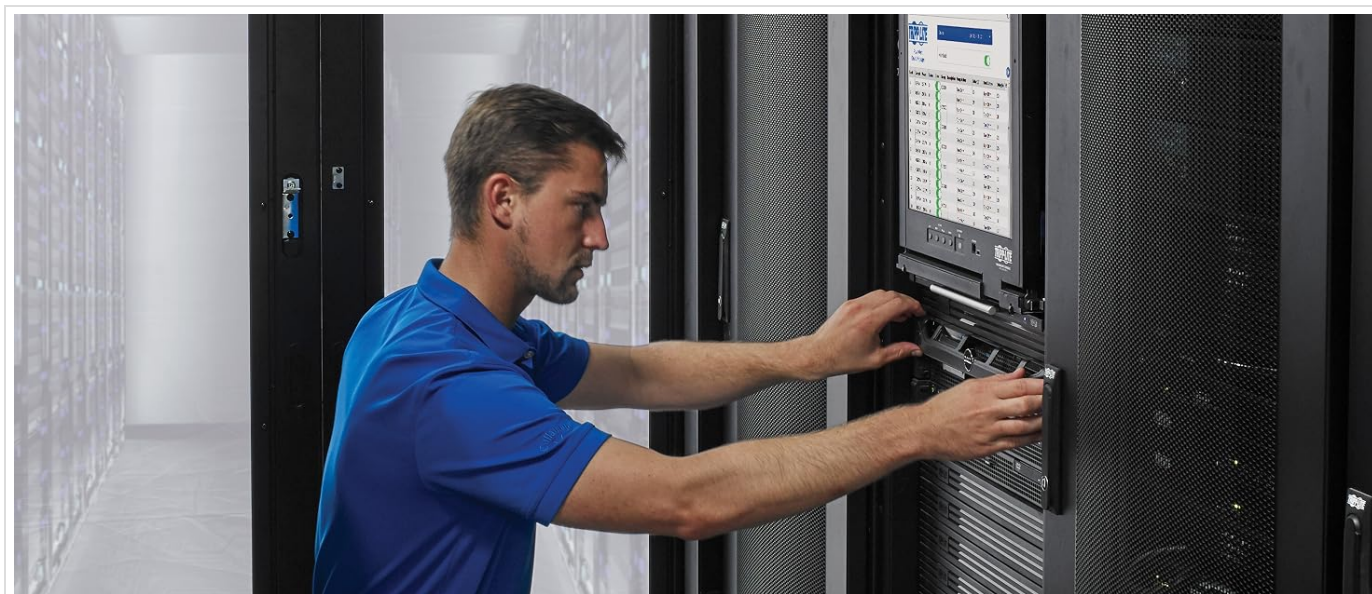


Figure 4.2: A technician installing equipment into a rack enclosure. This illustrates the process of mounting devices within the cabinet.

5. OPERATION

Operating the SR42UBG involves managing access and ensuring optimal conditions for your installed equipment.

5.1 Access and Security

- **Front Door:** The front door features a clear acrylic window and a lock. Use the provided keys to secure or unlock the door.
- **Rear Door and Side Panels:** The rear door and side panels are also lockable to provide comprehensive security for your equipment.
- **Key Management:** Keep track of the provided keys. It is advisable to have a spare key stored securely.

5.2 Airflow Management

- **Perforated Doors:** The cabinet's perforated doors are designed to promote airflow. Ensure they are not obstructed.
- **Blanking Panels:** For optimal cooling efficiency, use blanking panels in any unused U-spaces to prevent hot air recirculation.
- **Fan Installation:** Consider installing optional rack-mount fans or cooling units if your equipment generates significant heat.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your rack enclosure.

6.1 Cleaning

- **Exterior Surfaces:** Wipe down the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners that could damage the finish.
- **Acrylic Window:** Clean the clear acrylic window with a soft, lint-free cloth and a mild, non-abrasive plastic cleaner. Do not use ammonia-based cleaners, as they can damage acrylic.
- **Dust Removal:** Periodically inspect and clean any dust buildup from ventilation openings and inside the cabinet to maintain proper airflow.

6.2 Inspection

- **Hardware:** Periodically check all screws, bolts, and fasteners to ensure they are tight.
- **Doors and Panels:** Inspect door hinges and latches for proper operation and alignment.
- **Leveling Feet/Casters:** Verify that leveling feet are properly adjusted or casters are locked.

7. TROUBLESHOOTING

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

7.1 Overheating Equipment

- **Check Airflow:** Ensure that the cabinet's perforated doors are not blocked and that there is sufficient space for air intake and exhaust.
- **Blanking Panels:** Install blanking panels in unused U-spaces to prevent hot air recirculation.
- **Fan Installation:** Consider adding optional rack-mount fans to improve internal airflow.
- **Room Temperature:** Verify that the ambient room temperature is within the operating limits of your installed equipment.

7.2 Difficulty Closing/Locking Doors

- **Obstruction:** Check for any cables or equipment protruding and obstructing the door's path.
- **Leveling:** Ensure the cabinet is level. Uneven placement can cause doors to bind. Adjust leveling feet as needed.
- **Hinge Alignment:** Inspect door hinges for any misalignment or damage.

8. SPECIFICATIONS

Model Number	SR42UBG
Brand	TRIPP LITE
Rack Units	42U
Weight Capacity	3000 lbs (1360 kg)
Material	Steel frame, Acrylic front door
Color	Black
Product Dimensions (D x W x H)	37"D x 19"W x 42"H (Note: This appears to be a partial dimension, full dimensions are 73" x 19" x 24" for the cabinet itself, 37"D is likely internal depth)
Item Weight	130000 Grams (approx. 286.6 lbs)
Assembly Required	No (cabinet ships fully assembled)
Compatible Devices	Server, Network, Telecom Equipment

9. WARRANTY & SUPPORT

9.1 Product Warranty

For specific warranty information regarding your SR42UBG rack enclosure, please refer to the warranty documentation included with your purchase or visit the official Tripp Lite website. Warranty terms typically cover defects in materials and workmanship under normal use.

9.2 Technical Support

If you encounter any issues or have questions not covered in this manual, please contact Tripp Lite technical support. Contact information can be found on the official Tripp Lite website or on your product packaging.

Online Resources: Visit the Tripp Lite website for FAQs, product documentation, and support contact details.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question