

Tecmojo 27U 23.6" w*31.5" d

Tecmojo 27U Server Rack Cabinet Instruction Manual

Model: 27U 23.6" w*31.5" d

1. INTRODUCTION

This manual provides detailed instructions for the assembly, installation, operation, and maintenance of your Tecmojo 27U Server Rack Cabinet. Designed for robust performance, this cabinet offers a secure and organized solution for your IT and telecommunications equipment. Please read this manual thoroughly before beginning assembly or operation to ensure proper use and safety.

2. SAFETY INFORMATION

- Always ensure the cabinet is placed on a stable, level surface.
- Distribute equipment weight evenly to prevent tipping.
- Use appropriate lifting techniques or assistance when moving the cabinet, especially when loaded.
- Ensure all screws and fasteners are securely tightened during assembly.
- Do not overload the cabinet beyond its maximum static load capacity of 1800 lbs (816 kg).
- Keep children and pets away from the cabinet during assembly and operation.
- Ensure proper ventilation to prevent equipment overheating.

3. PACKAGE CONTENTS

Verify that all components listed below are present in your package:

PRODUCT INCLUDES



12-24 Cage nut × 45

12-24 Cross screw × 45

1U Cantilever shelf × 1

1U Rack mount PDU × 1

Rack shelf back support × 2

1U Half rack rails × 1

Key × 4

Anti-slip stop × 2

Velcro cable tie × 10

Image: All included accessories for the Tecmojo 27U Server Rack Cabinet, laid out on a white surface.

- 12-24 Cage nut × 45
- 12-24 Cross screw × 45
- 1U Cantilever shelf × 1
- 1U Rack mount PDU × 1
- Rack shelf back support × 2
- 1U Half rack rails × 1
- Key × 4
- Anti-slip stop × 2
- Velcro cable tie × 10

4. ASSEMBLY INSTRUCTIONS

The Tecmojo 27U Server Rack Cabinet is designed for quick and efficient assembly. Follow the steps below for a smooth setup. An assembly video is provided for visual guidance.

4.1. General Assembly Overview

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Video: Tecmojo Standard Series Assembly Introduction A. This video provides a general overview of the assembly process for Tecmojo cabinets, demonstrating the sequence of connecting panels and frames.

4.2. Step-by-Step Assembly

- 1. Assemble the Main Frame:** Begin by connecting the bottom panel, back cover, front frame, and top cover in the correct direction. Secure all joints with the provided screws.
- 2. Install Rack Rails:** Uniformly install the rack rails onto the side frames using the appropriate screws. Ensure they are aligned correctly for equipment mounting.
- 3. Attach Side Panels:** Carefully install the removable side panels onto the main frame. These panels provide easy access for maintenance.
- 4. Install Front Clear Door:** Align the joints of the front clear door, move the bolt, and install the door. Ensure it swings freely and locks securely.
- 5. Install Back Door:** Install the back door, ensuring it is properly hinged and secured.
- 6. Install Locks:** Install the locking mechanisms for both the front clear door and the side panels. Test with the provided keys to ensure secure closure.

5. SETUP AND INSTALLATION

5.1. Casters and Leveling Feet

Your Tecmojo 27U Server Rack Cabinet comes equipped with heavy-duty casters for mobility and leveling feet for stability. Attach the casters to the bottom panel for easy movement. Once the cabinet is in its desired location, adjust the leveling feet to ensure it is stable and level, preventing any wobbling.

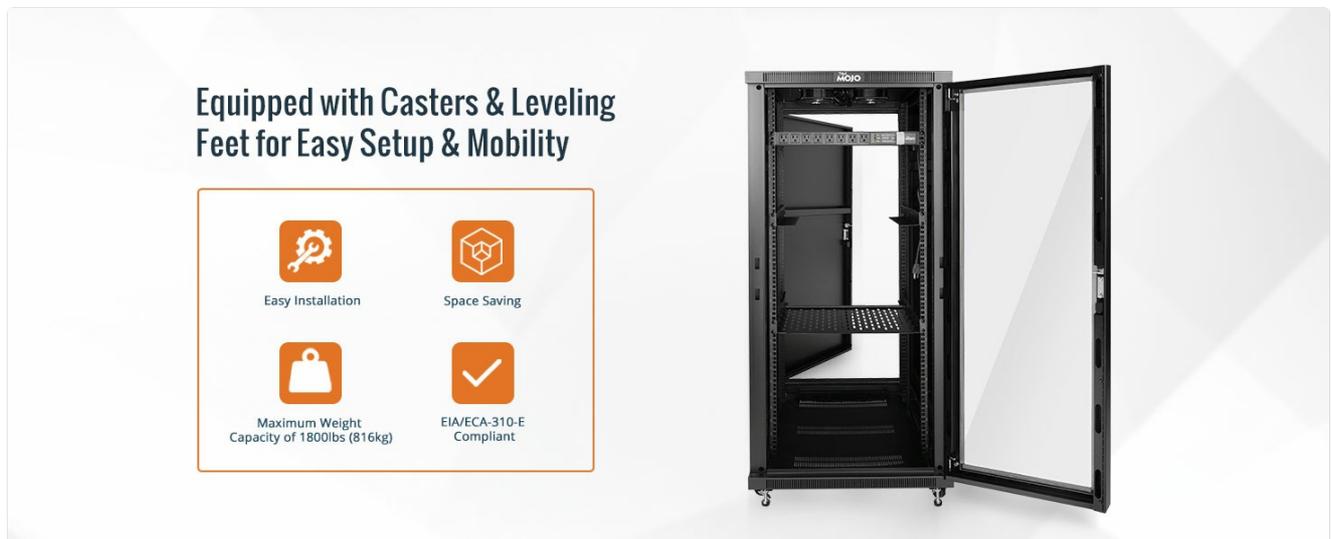


Image: A Tecmojo server rack cabinet equipped with casters for mobility and adjustable leveling feet for stability on uneven surfaces.

5.2. Adjustable Rack Rails

The internal rack rails are adjustable to accommodate various equipment depths. Loosen the screws, slide the rails to the desired depth (maximum mountable depth is 26.38 inches), and re-tighten the screws securely. This flexibility ensures compatibility with a wide range of servers, switches, and other IT gear.

5.3. Cable Management

Utilize the brushed top and bottom panels for organized and dust-free cable routing. The included vertical cable manager panel and Velcro cable ties help keep your cables neat and prevent tangles, improving airflow and simplifying maintenance.



Image: Close-up view of the Tecmojo 27U Server Rack Cabinet highlighting top-mounted fans, removable side panels, and vertical PDU panel for efficient cable management.

6. OPERATING INSTRUCTIONS

6.1. Lockable Doors and Side Panels

The front clear door and side panels are lockable to secure your valuable equipment. Use the provided keys to lock and unlock them. The removable side panels allow for easy access during installation and maintenance.

6.2. Cooling Fans

The cabinet features top-mounted fans to facilitate airflow and prevent overheating of internal components. Ensure the fans are unobstructed for optimal performance.

6.3. Power Distribution Unit (PDU)

The included 1U rack mount PDU provides convenient power distribution for your rack-mounted equipment. Install it on the rack rails and connect your devices as needed.

7. MAINTENANCE

- **Cleaning:** Regularly wipe down the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners.
- **Dust Removal:** Periodically clean dust from the fan vents and cable entry points to maintain optimal airflow.
- **Fastener Check:** Every few months, check all screws and fasteners to ensure they remain tight. Re-tighten if necessary.
- **Cable Inspection:** Inspect cables for any signs of wear or damage. Replace damaged cables immediately.

8. TROUBLESHOOTING

- **Cabinet Instability:** Ensure the leveling feet are properly adjusted and the cabinet is on a flat surface. Distribute equipment weight evenly.
- **Overheating Equipment:** Verify that the top-mounted fans are operational and unobstructed. Ensure proper cable management to allow for adequate airflow. Consider adding additional cooling solutions if necessary.
- **Difficulty Locking Doors/Panels:** Check for any obstructions or misalignment. Ensure the locking mechanism is clean and functioning correctly.

9. SPECIFICATIONS

SPECIFICATIONS



27U Rack Space	Heavy Duty Cold Rolled Steel structure
Weight Capacity: 1800lbs	Dimensions: 23.6"Lx31.5"Dx51.1"H
Reversible Locking Door	EIA/ECA-310-E Compliant

Image: Detailed specifications and dimensions of the Tecmojo 27U Server Rack Cabinet, including height, depth, length, and weight capacity.

Feature	Detail
Model	27U 23.6" w*31.5" d
Product Dimensions	31.5"D x 23.6"W x 51.1"H (800mm D x 600mm W x 1298mm H)
Item Weight	139.3 pounds
Material	Alloy Steel (Heavy Duty Cold Rolled Steel structure)
Static Load Capacity	Up to 1800 lbs (816 kg)
Max Mountable Depth	26.38 inches
Door Type	Clear Door (Impact & Heat-Resistant Polycarbonate)

Feature	Detail
Security	Lockable Front Door & Removable Side Panels
Mobility	Casters & Leveling Feet
Included Accessories	Vertical cable manager panel, cantilever shelf, half-support server rack rails, brushed top and bottom panels, 1U rack mount PDU, cage nuts, screws, keys, anti-slip stops, Velcro cable ties.
Compliance	EIA/ECA-310-E Compliant

10. WARRANTY AND SUPPORT

Tecmojo products are backed by a commitment to quality. For any questions, technical assistance, or warranty claims, please refer to the contact information provided with your purchase or visit the official Tecmojo website. Our US-based customer service representatives are available to assist you.
