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Tecmojo 9U Portable Rolling Network Rack User Manual

Model: 9U Portable Rolling Network Rack

1. PRODUCT OVERVIEW

The Tecmojo 9U Portable Rolling Network Rack is a robust and versatile 4-post open frame server cabinet designed for organizing and securing various IT, data, AV, and network equipment. Constructed from premium cold rolled steel, it offers durability and a weight capacity of up to 132 lbs (60 kg). Its mobile design, featuring built-in handles and locking casters, allows for easy transportation and secure placement.

- **Durable Construction:** Made of premium cold rolled steel, capable of holding up to 132 lbs (60 kg). Features an electrostatic powder coat for rust and corrosion prevention.
- **User-friendly Mobility:** Equipped with built-in handles on both sides for easy transport and roller casters for convenient movement and positioning.
- **Dust Prevention & Ventilation:** Open frame design with nylon brushed cable managers helps protect against dust and dirt accumulation while increasing heat dissipation.
- **Wide Application:** Suitable for 19-inch standard equipment and devices, including networking, AV, and rack mount components.
- **Universal Compatibility:** EIA/ECA-310-E compliant. Includes M6 cage nuts and screws for installation. Available in 9U, 12U, and 15U sizes.



Figure 1: Tecmojo Open Frame Server Rack with Casters, available in 9U, 12U, and 15U sizes.



Figure 2: Functional Equipment Storage System highlighting cable management and side handles.

2. SAFETY INFORMATION

Please read all safety instructions carefully before assembling or operating the Tecmojo 9U Portable Rolling Network Rack. Failure to follow these instructions may result in injury or damage to the product or connected equipment.

- **Weight Capacity:** Do not exceed the maximum weight capacity of 132 lbs (60 kg). Distribute equipment evenly to maintain stability.
- **Assembly:** Assemble the rack on a flat, stable surface. Ensure all screws and fasteners are securely tightened before use.
- **Moving the Rack:** When moving the rack, ensure all equipment is securely mounted. Use the built-in handles and unlock the casters. Exercise caution on uneven surfaces. Lock casters once the rack is in its desired position.
- **Electrical Safety:** When installing electrical equipment, ensure proper grounding and follow all manufacturer guidelines for power connections. Avoid overloading power strips.
- **Ventilation:** Maintain adequate airflow around the rack to prevent overheating of equipment. The open frame design aids in ventilation.
- **Children and Pets:** Keep children and pets away from the rack during assembly and operation to prevent accidents.

3. SETUP AND ASSEMBLY

Follow these steps to assemble your Tecmojo 9U Portable Rolling Network Rack. It is recommended to have two people for assembly due to the weight and size of the components.

3.1 Unpacking and Component Check

Carefully unpack all components and verify against the included parts list. Ensure no parts are missing or damaged. If any parts are missing or damaged, contact customer support.



Figure 3: Included components: Instruction Manual, M6 Cross Screws (x12), M6 Cage Nuts (x12).

3.2 Assembly Video Guide

Watch the official assembly video for a visual guide on setting up your network rack.

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Video 1: Official Tecmojo Mobile Server Rack Assembly Guide. This video demonstrates the step-by-step process of assembling the rack, including attaching side panels, top panel, rack rails, and casters.

3.3 Step-by-Step Assembly Instructions

1. **Attach Side Panels:** Place the bottom plate on a stable surface. Fix the two side panels symmetrically onto the bottom plate using the provided screws. Ensure they are aligned correctly.
2. **Secure Top Panel:** Place the top panel onto the assembled side panels and secure it with screws. Ensure all connections are tight.
3. **Install Rack Rails:** Insert the four rack rails into their designated slots on the top and bottom panels. Secure them with the appropriate fasteners. Ensure the square holes are facing inwards and are aligned for equipment mounting.
4. **Install Casters:** Carefully tilt the rack or lay it on its side. Attach the four casters to the bottom plate using the provided screws. Ensure two of the casters are locking casters and are positioned for easy access.

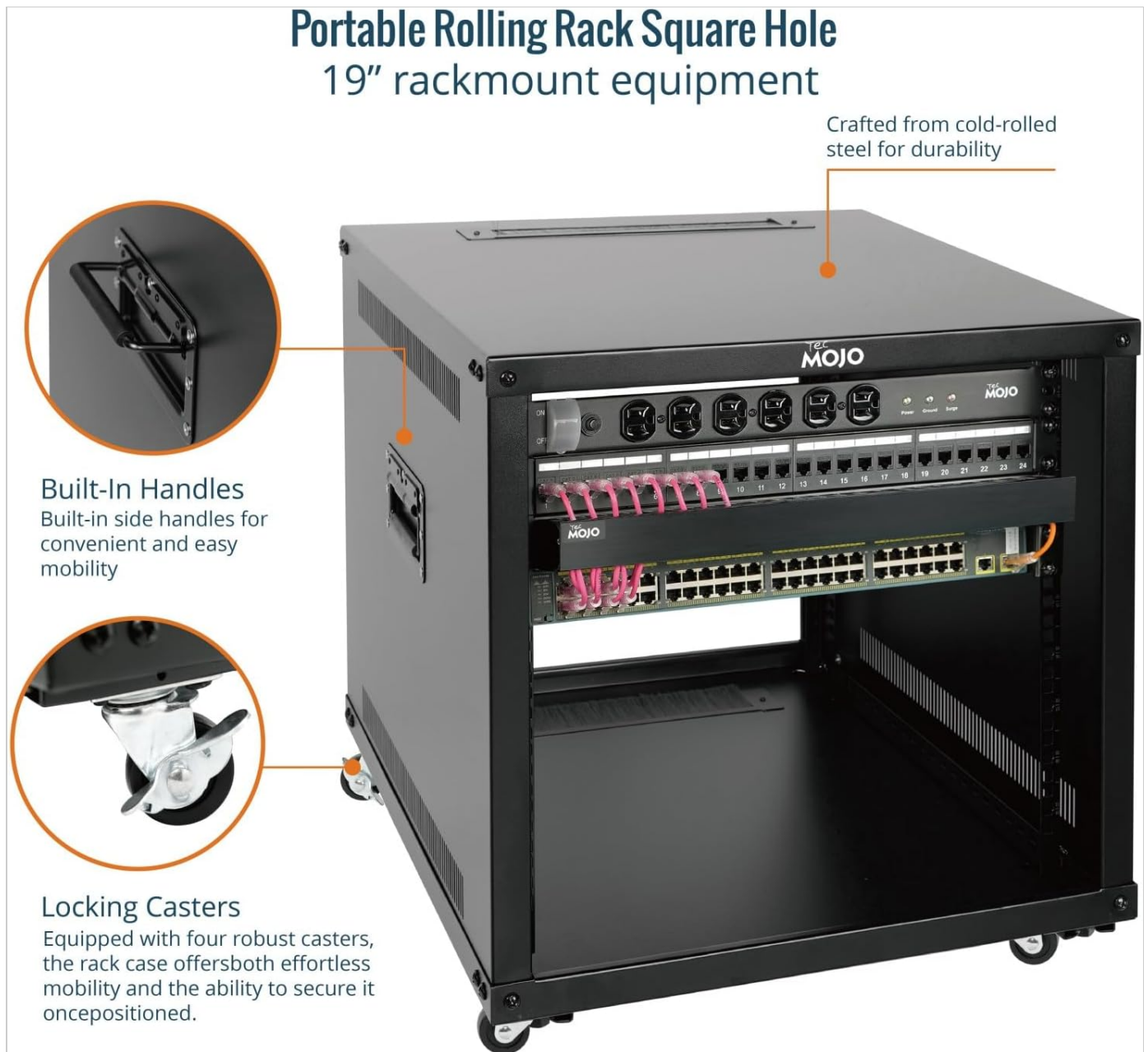


Figure 4: Detail of built-in side handles for mobility and locking casters for secure placement.

4. OPERATING INSTRUCTIONS

Once assembled, the Tecmojo 9U Portable Rolling Network Rack is ready for equipment installation.

4.1 Mounting Equipment

- Identify the desired U-height for your equipment. The rack-mount spaces are clearly marked and numbered.

- Use the provided M6 cage nuts and screws to secure your 19-inch standard equipment to the rack rails. Ensure equipment is evenly distributed to maintain balance.
- For heavy equipment, consider using rack shelves (sold separately) for additional support.

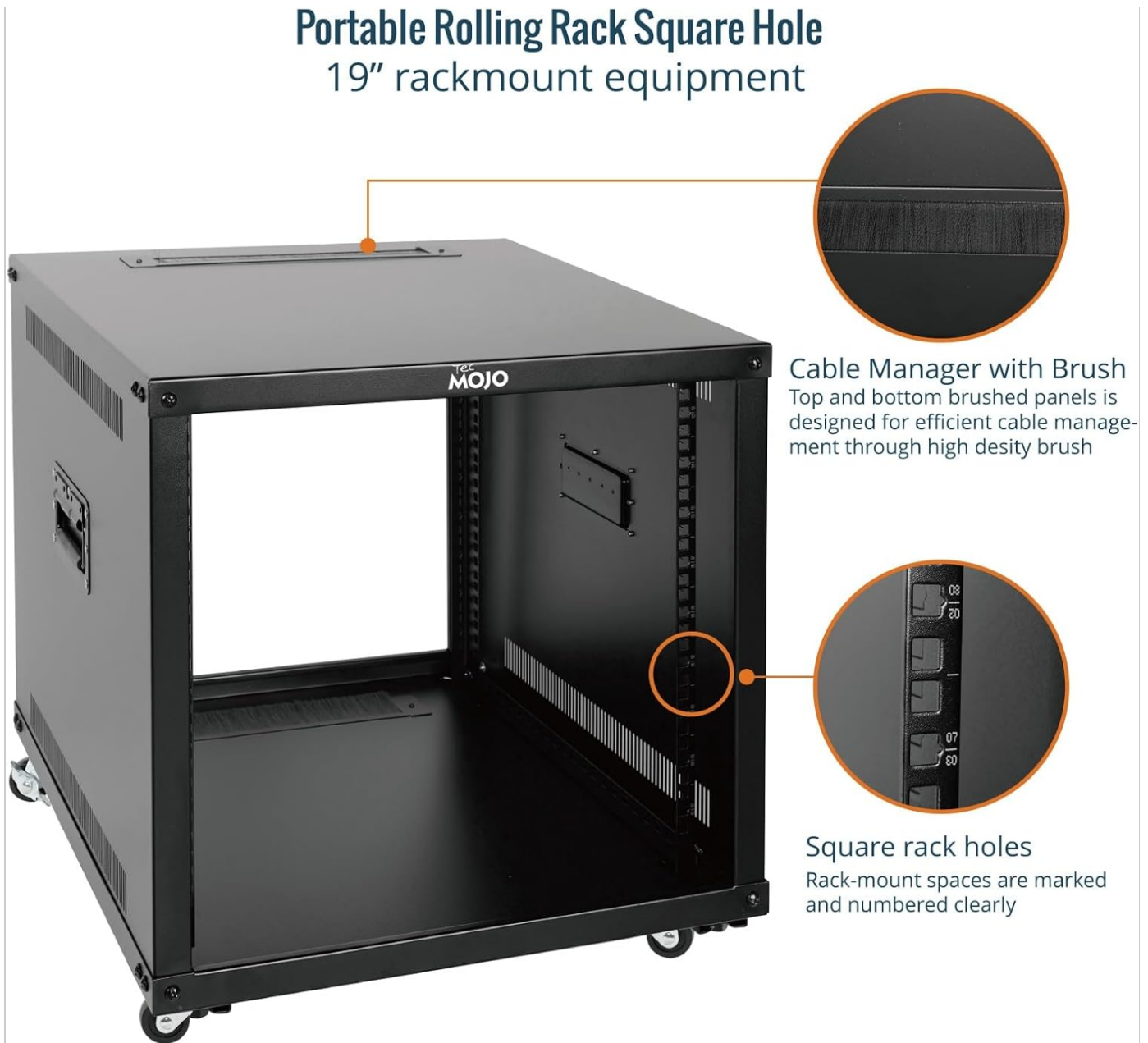


Figure 5: Detail of the cable manager with brush for efficient cable routing and clearly marked square rack holes.

4.2 Cable Management

- Utilize the integrated cable manager with a brush on the top panel to route cables neatly and prevent dust entry.
- Bundle cables using cable ties or Velcro straps to maintain an organized setup and improve airflow.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Tecmojo 9U Portable Rolling Network Rack.

- **Cleaning:** Wipe down the rack with a soft, damp cloth to remove dust and dirt. Avoid abrasive cleaners or solvents that could damage the finish.
- **Fastener Check:** Periodically inspect all screws and fasteners to ensure they remain tight. Re-tighten if necessary.
- **Caster Inspection:** Check casters for smooth operation and ensure locking mechanisms function correctly. Clean any debris from the wheels.

- **Cable Management:** Review cable routing periodically to ensure cables are not pinched or obstructing airflow.

6. TROUBLESHOOTING

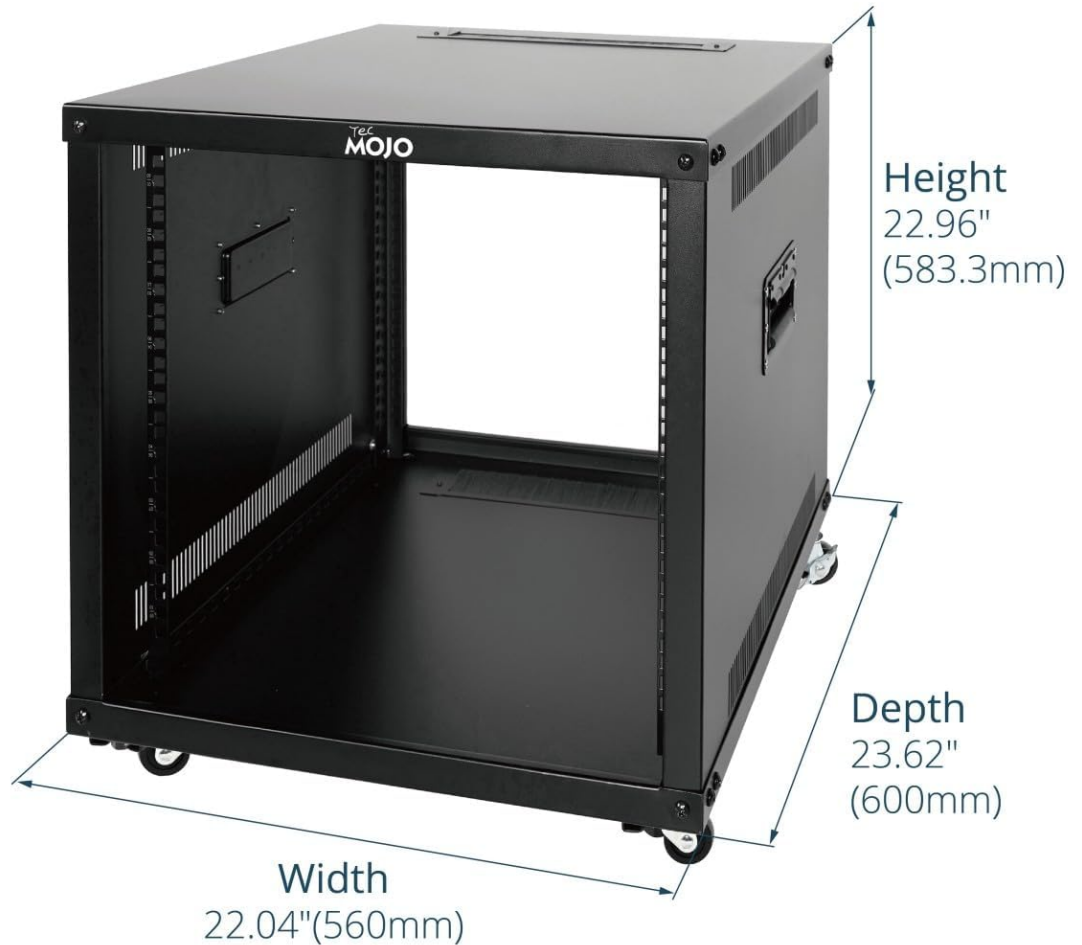
This section addresses common issues you might encounter with your network rack.

Problem	Possible Cause	Solution
Rack is unstable or wobbly.	Loose fasteners; uneven weight distribution; uneven floor.	Ensure all assembly screws are tightened. Redistribute equipment weight evenly. Move the rack to a level surface or use shims if necessary.
Casters not rolling smoothly.	Debris in wheels; casters locked.	Clean any debris from the caster wheels. Ensure locking mechanisms are disengaged before moving.
Difficulty mounting equipment.	Incorrect cage nut placement; misaligned equipment.	Ensure M6 cage nuts are correctly inserted into the square holes. Verify equipment is 19-inch standard and aligned with the rack rails.

7. SPECIFICATIONS

Feature	Detail
Brand	Tecmojo
Model	9U Portable Rolling Network Rack
Color	Black
Product Dimensions (D x W x H)	23.62" x 22.04" x 22.96" (600mm x 560mm x 583.3mm)
Material	Alloy Steel (Cold Rolled Steel)
Item Weight	44.55 Pounds
Compatible Devices	Server, Networking, AV, IT Equipment
Mounting Type	Floor Mount
Enclosure Material	Alloy Steel
Weight Capacity	132 lbs (60 kg)
Compliance	EIA/ECA-310-E compliant

SPECIFICATIONS



9U Rack Space	Dimensions : 22.04"Wx23.62"Dx22.96"H
Frame Type : Open Frame	Material : Cold Rolled Steel
Weight Capacity : 132lbs	EIA/ECA-310-E Compliant

Figure 6: Product dimensions and key specifications of the 9U rack.

8. WARRANTY INFORMATION

The Tecmojo 9U Portable Rolling Network Rack comes with a **3-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, please refer to the official Tecmojo website or contact customer support.

9. CUSTOMER SUPPORT

For any questions, technical assistance, or warranty inquiries, please contact Tecmojo customer support:

- **Website:** Visit the Tecmojo Official Store on Amazon for product information and support resources.
- **Email:** Refer to your product packaging or the official website for the most current support email address.
- **Phone:** Refer to your product packaging or the official website for the most current support phone number.

When contacting support, please have your product model (9U Portable Rolling Network Rack) and purchase information

ready.

