

Tecmojo 42U

Tecmojo 42U Server Rack Network Cabinet User Manual

Model: 42U (23.6"D x 23.6"W x 77.4"H)

Thank you for choosing the Tecmojo 42U Server Rack Network Cabinet. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your equipment.

1. INTRODUCTION

The Tecmojo 42U Server Rack Network Cabinet is designed to house and organize 19-inch server, networking, AV, and IT equipment. It features a robust alloy steel construction, a clear front door, and includes essential accessories such as a Power Distribution Unit (PDU), cooling fans, rack rails, and a shelf. This cabinet provides a secure and organized environment for your valuable equipment.



Image 1: Tecmojo 42U Server Rack Network Cabinet with PDU, cooling fans, rack rails, and shelf.

2. SAFETY INFORMATION

Please read all safety instructions before installation and operation to prevent injury or damage to equipment.

- Ensure the cabinet is placed on a stable, level surface capable of supporting its weight and the weight of all installed equipment (up to 1800 lbs / 816 kg).
- Always use appropriate lifting techniques or assistance when moving the cabinet, especially when loaded.
- Do not overload the cabinet or individual shelves. Refer to the specifications for weight limits.
- Ensure proper grounding for all electrical components, including the PDU.
- Keep all ventilation openings clear to prevent overheating.

- Only qualified personnel should perform electrical connections and maintenance.
- Use caution when handling tools and hardware during assembly to prevent injury.
- Secure all equipment within the rack using appropriate mounting hardware to prevent accidental dislodgement.

3. PACKAGE CONTENTS

Verify that all components listed below are present and undamaged. If any items are missing or damaged, contact Tecmojo customer support.



Image 2: Detailed view of all components included in the package.

Included Components List

Item	Quantity
42U Server Rack Cabinet	1
1U Rack Mount PDU	1
Cooling Fans	2
1U Half Rack Rails	1 pair
1U Cantilever Shelf	1
Rack Shelf Back Support	2
12-24 Cage Nut	70
12-24 Cross Screw	70
Key	4
Anti-slip Stop	2
Velcro Cable Tie	10

Note: The quantity of some small hardware items may be slightly higher than required for assembly to provide spares.

4. SETUP AND ASSEMBLY

The Tecmojo 42U Server Rack Network Cabinet is designed for efficient assembly. Follow these steps carefully.

4.1. Unpacking and Initial Inspection

Carefully remove the cabinet and all components from the packaging. Inspect for any shipping damage. If the cabinet arrived unassembled, ensure all parts listed in the "Package Contents" section are present.

4.2. Attaching Casters and Leveling Feet

The cabinet comes with pre-installed casters and leveling feet. Ensure they are properly secured. The casters allow for mobility, while the leveling feet provide stability once the cabinet is in its final position.

42U NETWORK CABINET

With PDU, Shelf and Cooling Fans

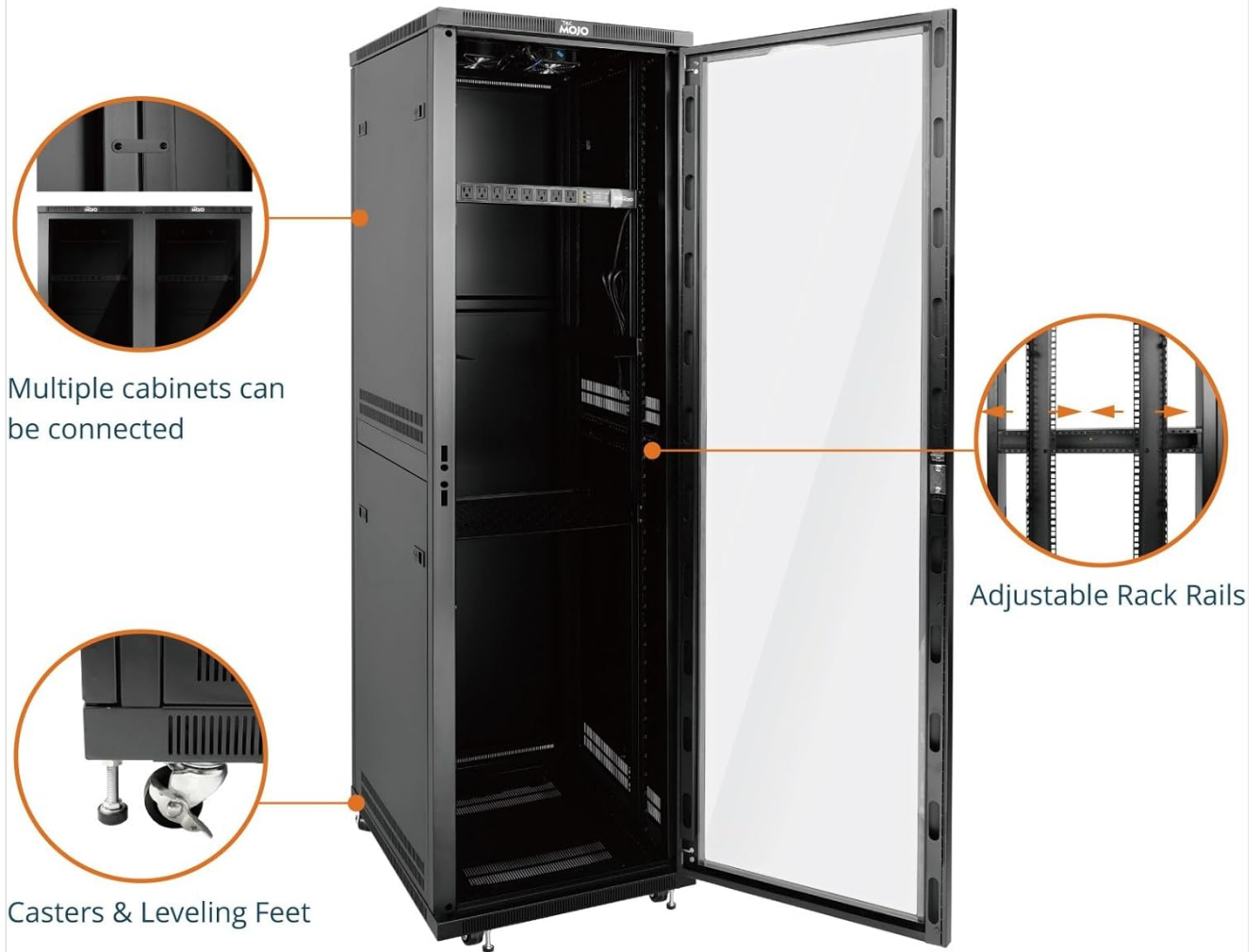


Image 3: Casters and leveling feet for mobility and stability.

4.3. Installing Rack Rails

The rack rails are adjustable to accommodate various equipment depths. The maximum mountable depth is 18.5 inches.

1. Determine the required depth for your equipment.
2. Use the provided cage nuts and cross screws to secure the rack rails to the vertical mounting posts at the desired depth.
3. Ensure both front and rear rails are aligned and at the same height.

42U Network Cabinet for IT & Telecom Equipment



Image 4: Interior of the cabinet showing adjustable rack rails and maximum rail depth.

4.4. Installing the Shelf

Install the 1U cantilever shelf using cage nuts and screws at the desired height. Ensure it is level and securely fastened.

4.5. Installing Cooling Fans

The two cooling fans are designed for top-mounting to facilitate airflow.

1. Locate the designated fan mounting area on the top panel of the cabinet.
2. Secure the fans using the provided hardware.
3. Connect the fan power cables to the PDU or an appropriate power source.



Image 5: Top-mounted cooling fans for heat dissipation.

4.6. Installing the PDU

Mount the 1U rack mount PDU to the rack rails at a convenient location, typically near the top or bottom, using cage nuts and screws. Connect the PDU to a suitable grounded power outlet.

4.7. Cable Management

Utilize the top and bottom brush panels for cable routing to maintain an organized and dust-free environment. Use the provided Velcro cable ties to bundle and secure cables.

42U NETWORK CABINET

Designed to Support Up to 1800lbs



Image 6: Top brush panel for organized cable management.

4.8. Installing Side Panels and Doors

The side panels are removable for easy access during installation and maintenance. Ensure they are securely latched after equipment installation. The front door is fully lockable and can be reversed if needed. Use the provided keys to secure the door.

42U NETWORK CABINET

Designed to Support Up to 1800lbs



Image 7: Removable side panels for easy access.

4.9. Assembly Video Guide

For a visual guide on assembly, please refer to the official Tecmojo assembly video. *(Note: An official assembly video was not available at the time of manual creation. Please check the Tecmojo website for updates.)*

5. OPERATING INSTRUCTIONS

5.1. Powering On Equipment

After all equipment is securely installed and cabled, connect the PDU to a grounded power outlet. Power on your equipment according to their individual instructions.

5.2. Monitoring and Cooling

The integrated cooling fans help maintain optimal operating temperatures within the cabinet. Ensure the fans are operational and that airflow is not obstructed. Regularly monitor the temperature of your equipment to prevent overheating.

5.3. Security

Always lock the front door of the cabinet using the provided keys to secure your equipment from unauthorized access.

6. MAINTENANCE

- **Cleaning:** Periodically clean the exterior of the cabinet with a soft, damp cloth. Avoid abrasive cleaners.
- **Dust Removal:** Regularly check and clean the cooling fans and any air filters (if present) to ensure efficient airflow. Use compressed air to remove dust from equipment.
- **Cable Management:** Periodically review and reorganize cables to ensure proper airflow and prevent accidental disconnections.
- **Hardware Check:** Annually inspect all screws, bolts, and mounting hardware for tightness. Re-tighten as necessary. Pay particular attention to rack rail screws and equipment mounting screws.
- **Door and Lock:** Lubricate door hinges and locks annually with a suitable lubricant to ensure smooth operation.

7. TROUBLESHOOTING

7.1. Equipment Overheating

Possible Cause: Obstructed airflow, fan malfunction, or excessive equipment density.

Solution:

- Ensure cooling fans are operating correctly.
- Verify that cabinet ventilation openings are not blocked.
- Check for proper cable management to avoid airflow obstruction.
- Consider reducing equipment density or adding additional cooling solutions if necessary.

7.2. Cabinet Instability

Possible Cause: Uneven floor, loose leveling feet, or improperly distributed weight.

Solution:

- Adjust the leveling feet to ensure the cabinet is stable and level.
- Verify that equipment weight is evenly distributed within the rack.
- Ensure all casters are locked when the cabinet is in its final position.

7.3. Difficulty with Assembly (e.g., missing parts, hardware issues)

Possible Cause: Manufacturing defect or shipping error.

Solution:

- Double-check the package contents against the provided list.
- Contact Tecmojo customer support immediately with details of the issue and any missing or damaged components. Provide your purchase information.

8. PRODUCT SPECIFICATIONS

SPECIFICATIONS



42U Rack Space	Heavy Duty Cold Rolled Steel Structure
Weight Capacity: 1800lbs	Dimensions: 23.6"Lx23.6"Dx77.4"H
Reversible Locking Door	EIA/ECA-310-E Compliant

Image 8: Visual representation of cabinet dimensions and specifications.

Attribute	Value
Brand	Tecmojo
Model	42U
Product Dimensions (D x W x H)	23.6" x 23.6" x 77.4" (600mm x 600mm x 1965mm)
Item Weight	163.4 pounds
Material	Alloy Steel
Weight Capacity	1800 lbs (816 kg)
Maximum Mountable Depth	18.5 inches

Attribute	Value
Rack Space	42U
Door Type	Clear Door (Polycarbonate)
Compliance	EIA/ECA-310-E Compliant
Included Accessories	PDU, Cooling Fans, Rack Rails, Shelf, Casters, Leveling Feet, Cable Management Panels, Locking Door

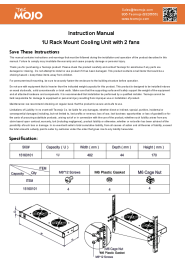
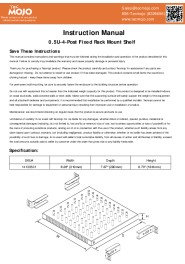
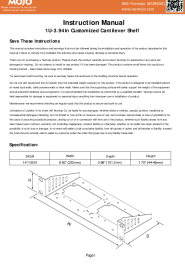
9. WARRANTY AND SUPPORT

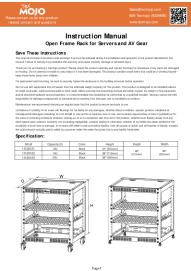
For warranty information and technical support, please visit the official Tecmojo website or contact our customer service department.

[Visit the Tecmojo Store on Amazon](#)

Please have your model number (42U) and purchase date available when contacting support.

Related Documents - 42U

	<p>Tecmojo 1U Rack Mount Cooling Unit with 2 Fans - Instruction Manual</p> <p>Instruction manual for the Tecmojo 1U Rack Mount Cooling Unit with 2 fans. Includes specifications, safety warnings, and installation guidance for IT and network rack environments.</p>
	<p>Tecmojo Swing Gate Wall-Mount Rack Instruction Manual</p> <p>Comprehensive instruction manual for the Tecmojo Swing Gate Wall-Mount Rack, detailing specifications, hardware, accessories, and step-by-step installation for secure equipment mounting.</p>
	<p>Tecmojo 0.5U-4-Post Fixed Rack Mount Shelf - Instruction Manual</p> <p>Official instruction manual for the Tecmojo 0.5U-4-Post Fixed Rack Mount Shelf (SKU 14130501). Includes safety warnings, specifications, and step-by-step assembly guide.</p>
	<p>Tecmojo 1U-3.94in Customized Cantilever Shelf - Installation Manual & Specifications</p> <p>Instruction manual and specifications for the Tecmojo 1U-3.94in Customized Cantilever Shelf (Model 14110524). Includes installation warnings, product details, and accessory information.</p>

	<p>Tecmojo Wall Mount AV Rack Instruction Manual</p> <p>Detailed instruction manual for Tecmojo Wall Mount AV Racks, covering safety, specifications, and step-by-step assembly for models 11120101, 11120102, and 11120103. Includes hardware and parts lists.</p>
	<p>Tecmojo Open Frame Rack for Servers and AV Gear - Instruction Manual</p> <p>Comprehensive instruction manual for Tecmojo's Open Frame Racks for Servers and AV Gear. Includes specifications, safety guidelines, and assembly instructions for models 11120121, 11120122, and 11120123.</p>

Documents - Tecmojo – 42U



[Tecmojo Network Cabinet Instruction Manual - Installation and Specifications](#)

Comprehensive instruction manual for Tecmojo Network Cabinets, including assembly steps, hardware lists, specifications, and safety guidelines. Covers models 12130101 through 12130306.

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[\[pdf\] User Manual Installation Guide Instructions Warranty](#)

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Please contact us for any product related concern and questions Sales tecmojo.com 806-Tecmojo 8326 ... ication: SKU# 11150401 11150402 11150403 11150404 11150405 11150406 Capacity U 8U 12U 15U 18U 22U **42U** Width mm 23.6 600mm Depth mm MAX:41.4 1054mm MIN:23.4 596mm Height mm 18.1 460m...

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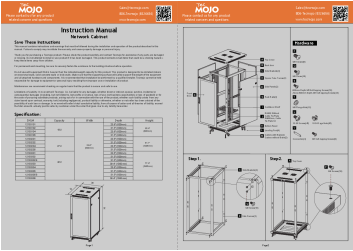


[\[pdf\]](#) Specifications Accessories

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SERVER AND NETWORK CABINETS DESCRIPTION These cabinets have the capacity and quality to meet modern ... ide Part Number 12110101 12110111 12110201 12110211 12110301 12110311 12110401 12110411 Rack Units **42U 42U** 45U 45U 48U 48U 52U 52U Overall Dimensions H x W x D in. mm 78.4 x 23.6 x 43.0 1992 x...

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[Tecmojo Network Cabinet Instruction Manual - Model Specifications and Assembly Guide](#)

Comprehensive instruction manual for Tecmojo network cabinets, detailing product specifications, hardware components, and step-by-step assembly instructions for various models including 12130101 through 12130306.

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[\[pdf\]](#) Instructions Specifications Accessories

Network Cabinets Series Instructions42U Rack Cabinet 31 5 Inch Depth Rugged Frame Tecmojo1212 1213Network Cabinetscdn shopify s files 1 0923 0001 7947 1212 v 1749256267 |||

Network Cabinets DESCRIPTION Network Cabinets are engineered for quick assembly and immediate use in ... 130204 12130205 12130301 12130302 12130303 12130304 12130305 12130306 Accessories Capacity 18U 27U **42U** Width 23.6 600mm Depth 23.6 600mm 31.5 800mm 23.6 600mm 31.5 800mm 23.6 600mm 31.5...

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[\[pdf\]](#) Specifications

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Adjustable 4 Post Open Frame Rack DESCRIPTION Open racks can meet your requirements for devices plac ... NUMBERS SKU# 11150401 11150402 11150403 11150404 11150405 11150406 Capacity U 8U 12U 15U 18U 22U **42U** Width 23.6 600mm Depth MAX:41.5 1054mm MIN:23.5 596mm Height 18.1 460mm 25.1 638mm ...

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