Tecmojo B0CTRWL1Z1

Tecmojo Universal 1U Rack Mount Rail Instruction Manual

Model: B0CTRWL1Z1

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Tecmojo Universal 1U Rack Mount Rail. Designed for 4-post server racks, this rail offers adjustable depth to accommodate various non-rack mountable server, networking, AV, and IT equipment. Constructed from cold-rolled steel, it ensures durability and stability for your valuable hardware.

PRODUCT FEATURES

- **Durability:** Made from cold-rolled steel, supporting up to 220lbs (100kg). Features an electrostatic powder coat for rust and corrosion prevention.

- **Flexible Depth:** Adjustable depth from 20.9 to 32 inches, suitable for various rack depths.

- **Wide Application:** No width limit, compatible with 10-inch, 19-inch, and other server racks.

- **Ventilation:** Vented shelves enhance airflow and heat dissipation for equipment longevity.

- **Easy Installation:** Includes a complete set of accessories for straightforward setup.

PACKAGE CONTENTS

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

1U Rack Mount 4-Post Shelf Rail
Adjustable depth from 20.9"-32.0"

This image displays the complete set of accessories included with the Tecmojo Universal 1U Rack Mount Rail, featuring the instruction manual, various screws (12-24, 10-32), and nuts (12-24 cage nuts, M6 flange nuts).

- Tecmojo Universal 1U Rack Mount Rail (2 sections)
- 12-24 Screw x 8
- 12-24 Cage nut x 8
- 10-32 Screw x 8
- M6 Flange nut x 12
- Instruction Manual

SETUP AND INSTALLATION

Follow these steps to properly install your Tecmojo Universal 1U Rack Mount Rail:

Installation Video Guide

This video demonstrates the installation process for the Tecmojo 1U Depth Adjustable Server Rail, showing how to attach the rails to a server rack and secure them.

Step-by-Step Instructions

1. **Step 1: Attach Front and Rear Rails**

   Attach the front and rear rail sections to your rack using the provided screws and cage nuts. Ensure the rails are aligned with the desired rack unit (1U) space. Adjust the depth of the rails to fit the specific depth of your server rack. The rails are designed to adjust from 20.9 to 32 inches.

   ## SPECIFICATIONS

   32.0" (812mm)

   20.9" (530mm)

   Depth 18.0" (458mm)

   Height 1.75" (44.45mm)

   Width 2.4" (60mm)

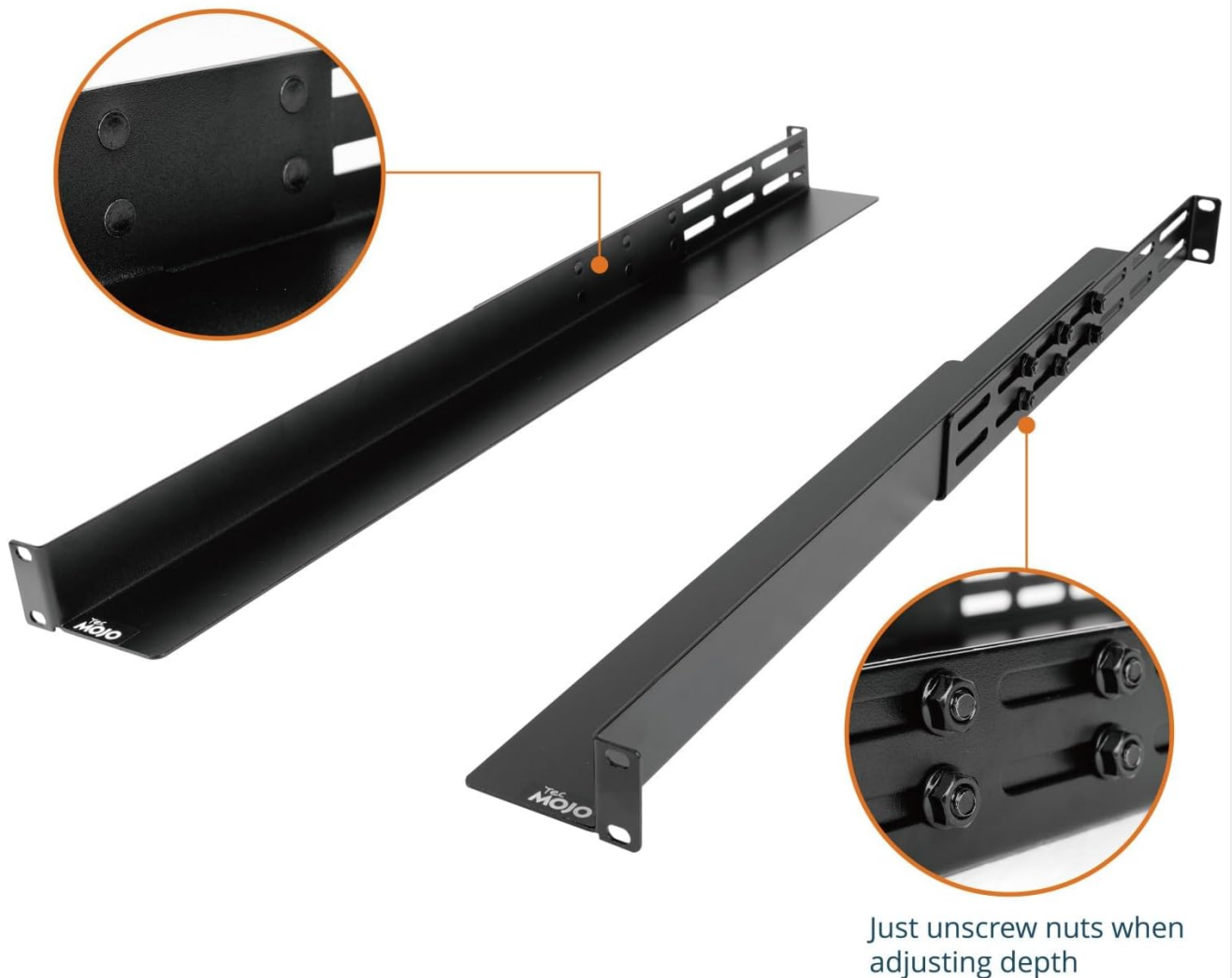| 1U Rack Space	Dimensions: 2.4"Wx(20.9"-32.0")Dx1.75"H
Heavy Duty Cold Rolled Steel	EIA/ECA-310-E Compliant
Weight Capacity: 220lbs (100kg)	

   The image shows the two main components of the Tecmojo rack rail, ready for assembly and installation into a server rack.

2. **Step 2: Secure the Rails**

   Once the rails are positioned at the correct depth, secure them firmly in place using the provided M6 flange nuts. Tighten all connections to ensure maximum stability for your equipment. Proper tightening prevents movement and ensures the safety of mounted devices.

1U Heavy Duty Server Rack Shelf Rails
Easy to install and capable of bearing up to 220lbs

Just unscrew nuts when adjusting depth

This image highlights the adjustable mechanism of the rack rail, showing how the two sections slide and are secured to achieve the desired depth.

3. **Step 3: Mount Equipment**

   After the rails are securely installed, you can place your non-rack mountable server, networking, AV, or IT equipment onto the rails. Ensure the equipment is centered and balanced to distribute weight evenly. The vented design of the rails promotes airflow around your devices.

1U Rack Mount 4-Post Shelf Rail

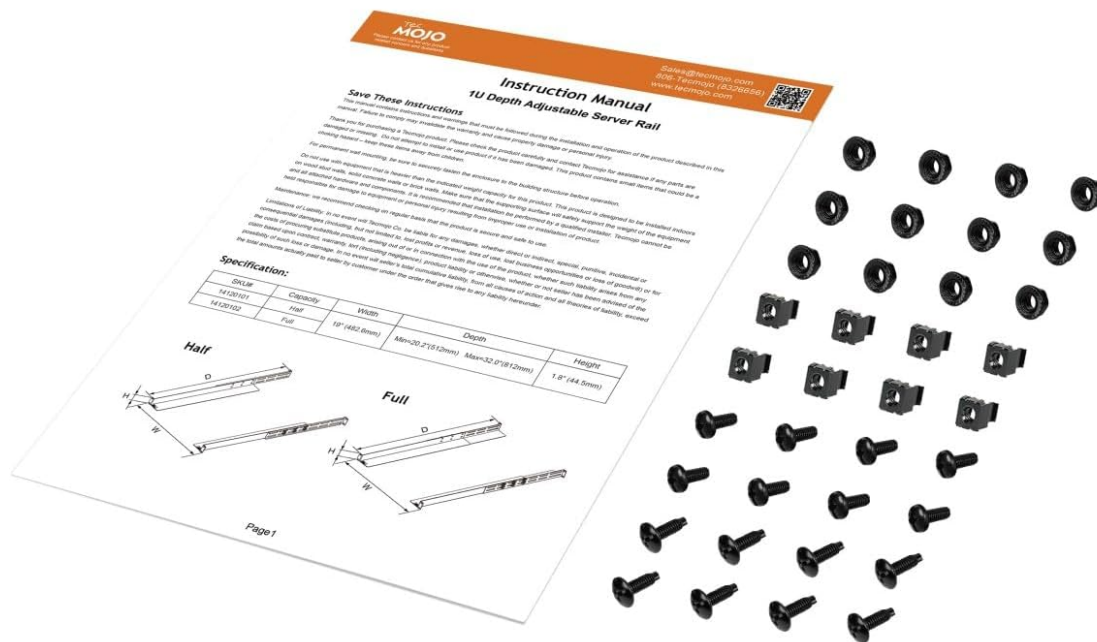## Suitable for a wide range of non-rack mount devices

An example of a server securely mounted on the Tecmojo rack rail within a standard server rack, demonstrating proper usage.

OPERATING INSTRUCTIONS

The Tecmojo Universal 1U Rack Mount Rail functions as a stable platform for your equipment. Once installed, ensure that the weight of the equipment does not exceed the maximum load capacity of 220 lbs (100 kg). Periodically check the tightness of all screws and nuts to maintain optimal stability and safety.

PRODUCT INCLUDES

12-24 Screw × 8

10-32 Screw × 8

12-24 Cage nut × 8

M6 Flange nut × 12

Easy Installation

Space Saving

EIA/ECA-310-E Compliant

Flat-packed

This image provides a front view of a server rack with the Tecmojo rails installed, illustrating the open design that allows for flexible placement of various non-rack mount devices.

MAINTENANCE

To ensure the longevity and continued performance of your Tecmojo Rack Mount Rail, consider the following maintenance tips:

- **Regular Inspection:** Periodically inspect the rails for any signs of wear, damage, or loose connections.
- **Cleaning:** Wipe down the rails with a dry or slightly damp cloth to remove dust and debris. Avoid abrasive cleaners or solvents.
- **Fastener Check:** Re-tighten all screws and nuts annually or as needed to ensure the rails remain securely mounted and stable.
- **Corrosion Prevention:** The electrostatic powder coat provides protection, but avoid exposing the rails to excessive moisture or corrosive environments.

TROUBLESHOOTING

If you encounter issues during installation or use, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Rails do not fit rack depth	Incorrect adjustment or rack depth outside specified range.	Ensure the rails are adjusted correctly within the 20.9" to 32" range. Verify your rack's internal depth.
Rails feel unstable after installation	Loose screws or nuts; improper installation.	Re-tighten all screws and M6 flange nuts. Ensure cage nuts are properly seated in the rack posts. Verify that the rails are level.
Equipment does not sit level on rails	Rails are not installed level or uneven weight distribution.	Check the level of both rails using a spirit level. Adjust as necessary. Redistribute the equipment's weight evenly across the rails.
Difficulty stacking multiple rails tightly	Manufacturing tolerances or specific rack design.	While designed for universal fit, some racks may have tighter tolerances. Ensure all mounting points are aligned before tightening. Consider using standard rack hardware if the provided hardware causes issues with alignment.

SPECIFICATIONS

Attribute	Detail
Brand	Tecmojo
Model	B0CTRWL1Z1
Product Dimensions	20.9"D x 2.4"W x 1.73"H (Adjustable Depth: 20.9" - 32")
Item Weight	6.99 pounds
Material	Cold-rolled steel with electrostatic powder coat
Weight Capacity	Up to 220 lbs (100 kg)
Rack Compatibility	1U, 4-Post Server Racks (no width limit)
Color	Black
Country of Origin	China

Note: All specifications are approximate and subject to change without notice.

WARRANTY AND SUPPORT

Tecmojo products are manufactured to high-quality standards. For information regarding warranty coverage, technical support, or replacement parts, please contact Tecmojo customer service directly. Refer to the contact information provided with your purchase or visit the official Tecmojo website.

Tecmojo Store Link: https://www.amazon.com/stores/Tecmojo/page/61EE2201-52DD-4AAE-9F0E-81FA1FB9CD09