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› RIVECO 6U Server Rack Instruction Manual

RIVECO OF5506S

RIVECO 6U Server Rack Instruction Manual

Model: OF5506S

PRODUCT OVERVIEW

The RIVECO 6U Server Rack with Wheels is an open frame networking rack designed for organizing and securing various electronic equipment. This set includes a Power Distribution Unit (PDU) with 8 outlets, providing a comprehensive solution for your networking and entertainment needs. Its robust 4-post construction and heavy-duty SPCC cold-rolled steel ensure durability and stability for rack-mounting equipment.



Figure 1: RIVECO 6U Server Rack with included PDU.

SAFETY INFORMATION

- Ensure all components are securely fastened before loading equipment onto the rack.
- Do not exceed the maximum weight capacity: 600 lbs with leveling feet, 500 lbs with casters.
- Avoid placing the rack in areas with excessive moisture or extreme temperatures.
- When moving the rack with equipment, ensure casters are unlocked and move slowly to prevent tipping.
- For permanent installations, consider using the pre-drilled holes in the base to securely fasten the rack to the ground.
- Always disconnect power to equipment before performing maintenance or adjustments.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- RIVECO 6U Portable Rolling Network Rack
- Power Distribution Unit (PDU) with 8 Outlets
- Assembly Screws & Nuts (M6 screws for assembly and equipment mounting)
- Leveling Feet (4 pcs)

- Casters (4 pcs, 2 with brake)
- Caster Screws (16 pcs)
- Torque Wrench (1 pc)
- Installation Manual (PDF - [Download PDF](#))

DIMENSIONS

6U9U12U15U18U22U25U

Width

19.7" (50CM)

Depth

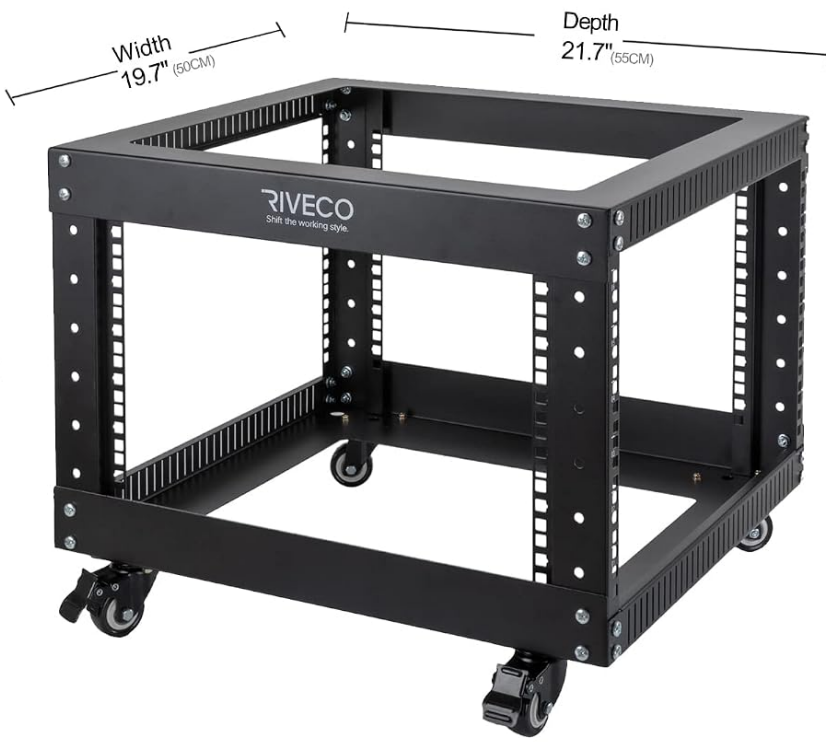
21.7" (55CM)

Height

14.45" (36.7CM)

Height

3" (7.5CM)



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★ NOTICE

Due to different batches of products, the appearance of PDU may be vary.

	Casters*2		Leveling feet*4		M6 screws (in 1 pack,assembly rack)
	Casters with brake*2		Caster screws*16		M6 screws (in 1 pack,equipment mounting)
	Torque wrench *1				

Figure 2: Overview of package contents and rack dimensions.

SETUP AND INSTALLATION

Follow these steps to assemble your RIVECO 6U Server Rack. It is recommended to have a clear, flat surface for assembly.

Assembly Video Guide

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Video 1: 19" network rack assembly process video (Duration: 1:34). This video demonstrates the step-by-step assembly of the RIVECO server rack, including attaching vertical posts, top frame, and casters/leveling feet.

Step-by-Step Assembly Instructions

1. Step 1: Install 4 vertical posts.

Attach the four vertical posts to the base frame using the provided M6 screws and nuts. Ensure the numbered sides of the posts face outwards for easy unit identification.



Figure 3: Securely fasten vertical posts to the base.

2. Step 2: Install top frame.

Carefully place the top frame onto the installed vertical posts. Align the holes and secure it using the remaining M6 screws and nuts. Ensure all connections are tight for structural integrity.

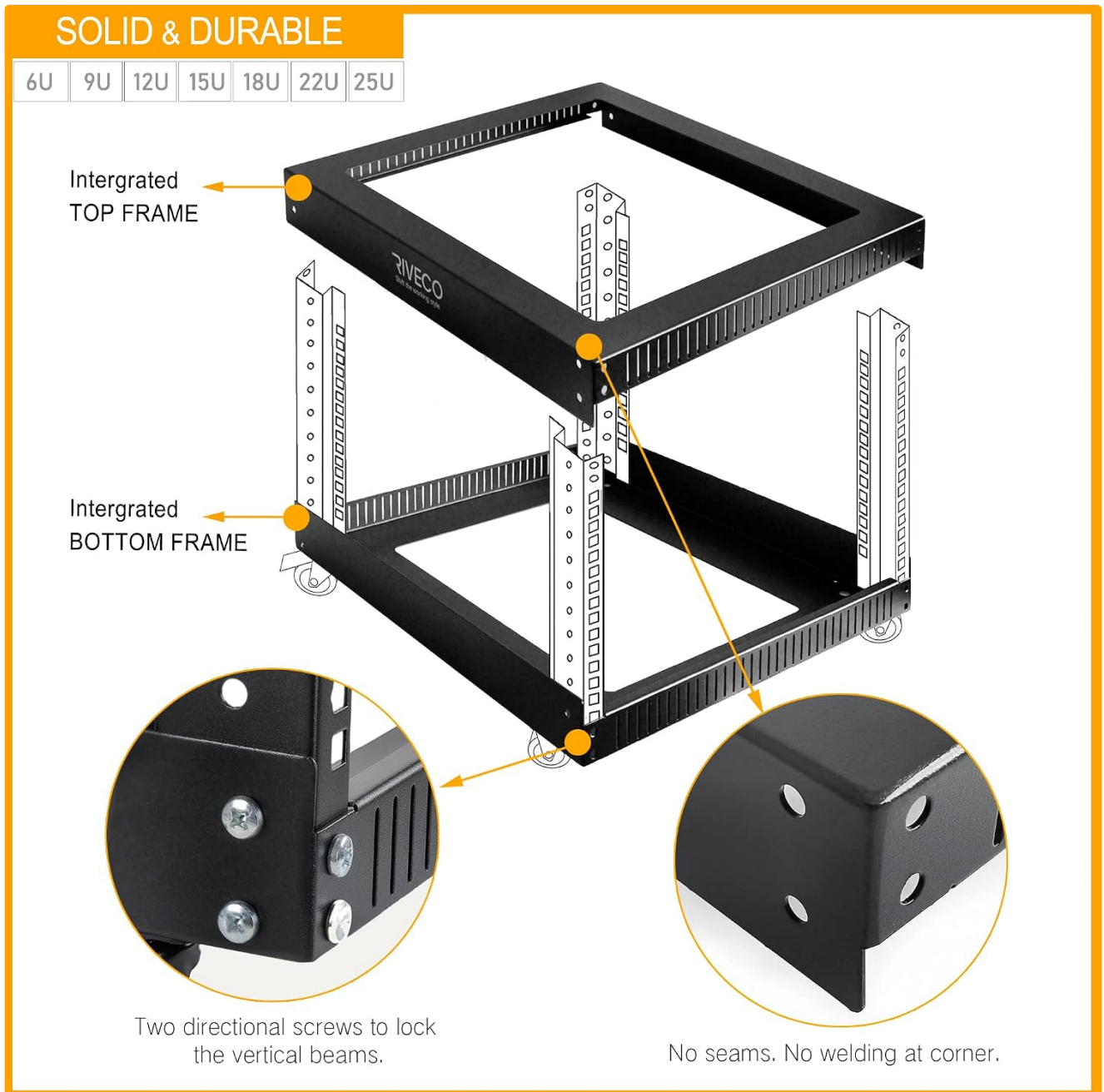


Figure 4: The integrated top and bottom frames provide a solid structure.

3. Step 3: Install 4 casters.

Turn the assembled rack upside down. Attach the four casters to the designated points on the bottom frame using the caster screws. Two of the casters include brakes for stability. Ensure they are securely fastened.



Figure 5: Casters with brake for secure positioning.

4. Step 4: (Optional) Install 4 leveling feet.

If you prefer stationary placement or need to level the rack on uneven surfaces, you can install the four leveling feet instead of or in addition to the casters. Choose the optional leveling feet based on your personal needs. These are screwed into the same mounting points as the casters.



Figure 6: The rack can be used with either casters or leveling feet.

OPERATING INSTRUCTIONS

The RIVECO 6U Server Rack is designed for versatile use in various environments, from home offices to data centers. Once assembled, it provides a stable platform for your 19-inch standard equipment.

- **Equipment Mounting:** Use the provided M6 screws to mount your 19-inch standard equipment (e.g., servers, switches, routers, amplifiers, hard recorders, computers, X-boxes) into the rack's vertical posts. The posts are numbered by "UNIT" for easy organization and consistent spacing.
- **Power Distribution Unit (PDU):** The included 8-outlet PDU can be mounted within the rack to provide convenient power access for your equipment. Connect the PDU to a suitable power source.
- **Mobility and Stability:**

- If using casters: Unlock the brakes on the casters when moving the rack. Engage the brakes when the rack is in its desired position to prevent accidental movement.
- If using leveling feet: Adjust the leveling feet to ensure the rack is stable and level on uneven surfaces.
- **Cable Management:** Utilize the open frame design for efficient cable routing and management to maintain airflow and organization.



Figure 7: The rack is suitable for various electronics and equipment.



Figure 8: RIVECO racks are versatile for different application scenarios, including home and professional setups.

MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your RIVECO server rack.

- **Cleaning:** Wipe down the rack with a soft, dry cloth to remove dust and debris. For stubborn marks, a slightly damp

cloth can be used, followed by immediate drying. Avoid abrasive cleaners or solvents.

- **Fastener Check:** Periodically check all screws and nuts to ensure they remain tight. Re-tighten if necessary to maintain the rack's stability.
- **Caster/Leveling Feet Inspection:** If using casters, ensure they roll smoothly and that the brakes engage properly. If using leveling feet, verify they are securely in place and providing adequate support.
- **Powder Coat Finish:** The black RAL9005 powder coat finish is resistant to scratching and rusting. If any damage occurs, touch-up paint can be applied to prevent corrosion.

TROUBLESHOOTING

Here are some common issues and their solutions:

Problem	Possible Cause	Solution
Rack is wobbly or unstable.	Loose screws/nuts; uneven floor; casters not locked.	Check and tighten all assembly screws. If using leveling feet, adjust them to stabilize the rack. If using casters, ensure brakes are engaged.
Casters do not roll smoothly.	Debris in wheels; casters overtightened.	Clean any debris from the caster wheels. Loosen caster screws slightly if they are too tight, ensuring they are still secure.
Equipment does not fit into the rack.	Equipment is not 19-inch standard; incorrect mounting method.	Verify your equipment is designed for 19-inch rack mounting. Ensure you are using the correct M6 screws and cage nuts for mounting.
PDU not powering on.	PDU not plugged in; power switch off; circuit breaker tripped.	Ensure the PDU is securely plugged into a live power outlet. Check the PDU's power switch. Reset the circuit breaker on the PDU if it has one.

SPECIFICATIONS

Feature	Detail
Model Number	OF5506S
Rack Units	6U
Dimensions (D x W x H)	21.7"D x 19.7"W x 14.45"H (550 mm D x 500 mm W x 442 mm H with casters)
Item Weight	22.2 pounds
Material	SPCC Cold-Rolled Steel (Alloy Steel)
Color	Black (RAL9005 powder coat finish)
Weight Capacity (Leveling Feet)	Up to 600 lbs
Weight Capacity (Casters)	Up to 500 lbs
Included Accessories	PDU (8 Outlets), Assembly Screws & Nuts, Leveling Feet, Casters, Torque Wrench

WARRANTY AND SUPPORT

Specific warranty details and direct support contact information are not available in the provided product data. For

warranty claims or technical assistance, please refer to the product packaging or contact RIVCO customer service through their official website or the retailer where the product was purchased.

You may also find additional information and support on the [RIVCO Store on Amazon](#).