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## ECHOGEAR EGAV-PROF10

# ECHOGEAR 10U Wall Mountable Open Frame Network Rack

**MODEL: EGAV-PROF10**

Brand: ECHOGEAR

## Introduction

This manual provides detailed instructions for the assembly, installation, operation, and maintenance of your ECHOGEAR 10U Wall Mountable Open Frame Network Rack. Designed for networking, AV, and rack mount components, this rack offers a robust and efficient solution for organizing your equipment. Please read this manual thoroughly before proceeding with installation or operation.

## Package Contents

Verify that all components are present before beginning assembly:

- 1x Open Frame Rack Structure
- 2x 1U Vented Shelves (12.12" deep)
- 25x Rack Mounting Screws
- Wall Mounting Hardware
- Shelf Backstops
- Hook and Loop Straps

## Product Features

- **10U Capacity:** Accommodates up to 10 standard rack units of equipment.
- **20.40" Depth Design:** Ideal for networking, AV, and rack mount components up to 19" deep.
- **Wall Mountable:** Securely holds up to 150 lbs of gear when mounted to a wall. All necessary wall mounting hardware is included.
- **Open Frame Design:** Optimizes airflow to keep high-end networking and AV components cool, preventing overheating.
- **Included Shelves:** Comes with two 1U vented shelves for versatile equipment placement.
- **Easy Assembly:** Designed for straightforward assembly, typically completed in under 20 minutes with included hardware and instructions.
- **Durable Construction:** Made from alloy steel for robust and reliable support.

## Safety Information

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- Always ensure the rack is securely mounted to a structurally sound wall or placed on a stable, level surface.
- Do not exceed the maximum weight capacity of 150 lbs for wall mounting or 400 lbs for floor placement.
- Distribute equipment weight evenly across the rack and shelves.
- Use appropriate tools and follow all assembly steps carefully to prevent injury or damage.
- Keep small parts and packaging materials away from children.

## Setup and Installation

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Follow these steps to assemble and install your ECHOGEAR 10U Network Rack:

1. **Assemble the Frame:** Connect the side frames and front/back braces using the provided screws. Ensure all connections are tight and secure.
2. **Attach Shelves:** Install the two 1U vented shelves at your desired height within the rack using the rack mounting screws. Use the included shelf backstops to prevent equipment from sliding off.
3. **Placement Options:**
  - **Floor Placement:** Place the assembled rack on a flat, stable surface.
  - **Wall Mounting:**
    - a. Identify a suitable wall location, preferably into wall studs for maximum security.
    - b. Use the rack as a template to mark the drilling points for the wall mounting hardware.
    - c. Drill pilot holes as recommended for your wall type and install the wall mounting hardware.
    - d. Carefully lift and hang the rack onto the installed hardware, ensuring it is level and secure.
4. **Install Equipment:** Place your networking, AV, or server components onto the shelves or directly mount them to the rack rails using the provided rack mounting screws. Utilize the hook and loop straps for cable management and to secure equipment.



**PLACE ON FLOOR**



**OR MOUNT  
TO WALL**



Image: Visual guide showing the assembly steps of the ECHOGEAR 10U Network Rack, including attaching the frame, placing on the floor, and mounting to the wall.

Video: An official ECHOGEAR video demonstrating the assembly process and features of the 10U Open Frame Rack.

# LET'S HANG



MAX. WEIGHT:  
**150 LBS.**



- ✓ COMPATIBLE WITH 16" STUDS
- ✓ INCLUDES WALL MOUNTING HARDWARE

Image: The ECHOGEAR 10U Network Rack securely mounted to a wall, showcasing various networking and AV components installed within.

Video: An official ECHOGEAR video providing inspiration and guidance for wall-mounting the server rack.



INCLUDES  
**(2) 1U VENTED SHELVES**



**OPEN DESIGN FOR MAX AIR FLOW**



Image: A close-up view of the ECHOGEAR 10U Network Rack's open frame design and vented shelves, highlighting its airflow optimization for cooling equipment.

Video: An official ECHOGEAR video demonstrating how to upgrade your rack with a universal 1U server rack shelf, showcasing its installation and use.

## Operating Instructions

Once your ECHOGEAR 10U Network Rack is assembled and installed, follow these guidelines for optimal operation:

- **Equipment Placement:** Arrange your equipment on the shelves or mounted directly to the rails. Consider the weight distribution and accessibility for future maintenance.
- **Cable Management:** Utilize the included hook and loop straps to neatly organize cables. Proper cable management improves airflow, reduces clutter, and simplifies troubleshooting.
- **Airflow:** The open frame design promotes natural convection. Ensure no obstructions block the open sides or vented shelves to maintain optimal cooling for your devices.

## Maintenance

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Regular maintenance ensures the longevity and performance of your network rack:

- **Cleaning:** Periodically wipe down the rack with a soft, dry cloth to remove dust. Avoid abrasive cleaners or solvents.
- **Fastener Check:** Annually inspect all screws and bolts to ensure they remain tight. Re-tighten if necessary.
- **Weight Distribution:** Periodically review your equipment setup to ensure weight is still evenly distributed and within the rack's capacity.

## Troubleshooting

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If you encounter any issues with your ECHOGEAR 10U Network Rack, consider the following:

- **Rack Instability:** Ensure all assembly screws are fully tightened. If wall-mounted, verify the wall mounting hardware is secure and the wall structure is sound.
- **Equipment Overheating:** Check that the open frame design and vented shelves are not obstructed. Ensure proper spacing between equipment for adequate airflow.
- **Difficulty Mounting Equipment:** Confirm that your equipment is 19-inch rack-mountable. Ensure you are using the correct rack mounting screws and that the rails are properly aligned.

## Specifications

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Feature	Specification
Brand	ECHOGEAR
Model Number	EGAV-PROF10
Item Weight	29 pounds
Product Dimensions (LxWxH)	20.4 x 20.42 x 17.5 inches
Color	Black
Size	10U Rack
Material	Alloy Steel
Max Wall Load Capacity	150 lbs
Max Floor Load Capacity	400 lbs

## Warranty and Support

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ECHOGEAR is committed to providing quality products and support. If you encounter any issues during installation

or operation, our Minnesota-based product support team is available 7 days a week to assist you. Please refer to the product packaging or ECHOGEAR's official website for specific warranty details and contact information.