

Sysracks SRW 18.6003

Sysracks 18U Wall Mount Server Rack SRW 18.6003 Instruction Manual

Model: SRW 18.6003

1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your Sysracks 18U Wall Mount Server Rack, model SRW 18.6003. This 18U enclosure is designed to securely house IT, networking, and server equipment in various environments, from small offices to home network setups. Its compact design and robust construction ensure efficient organization and protection of your valuable hardware.

Please read this manual thoroughly before proceeding with installation or operation to ensure safe and correct usage.

2. PRODUCT FEATURES

The Sysracks 18U Wall Mount Server Rack SRW 18.6003 is equipped with several features to optimize performance and security:

- **Space-Saving Design:** 18U wall-mount configuration ideal for compact spaces, with an 18-inch depth suitable for network and telecommunications equipment up to 15 inches deep.
- **Optimal Ventilation:** Features a glass front door with perforated side sections and an integrated active fan to ensure consistent airflow and prevent equipment overheating.
- **Secure Access:** Includes removable front and rear panels with lockable mechanisms, providing both security and convenient access for maintenance.
- **Advanced Cable Management:** Equipped with brush cable entries for organized and secure routing of cables, minimizing clutter.
- **Durable Construction:** Manufactured from high-quality steel, capable of supporting up to 160 lbs of equipment.
- **Versatile Installation:** Supplied with all necessary hardware, a Power Distribution Unit (PDU), a shelf, and flexible legs for conversion from wall-mounted to floor-standing use.



Figure 2.1: Front view of the Sysracks 18U Wall Mount Server Rack.

3. SETUP AND INSTALLATION

The Sysracks 18U cabinet can be installed as a wall-mount unit or converted to a floor-standing unit using the included legs.

3.1 Unpacking and Component Check

1. Carefully unpack all components from the packaging.

2. Verify that all parts listed in the packing list are present. Refer to the exploded view for component identification.
3. Inspect all components for any signs of damage during transit. Contact customer support immediately if any damage is found.

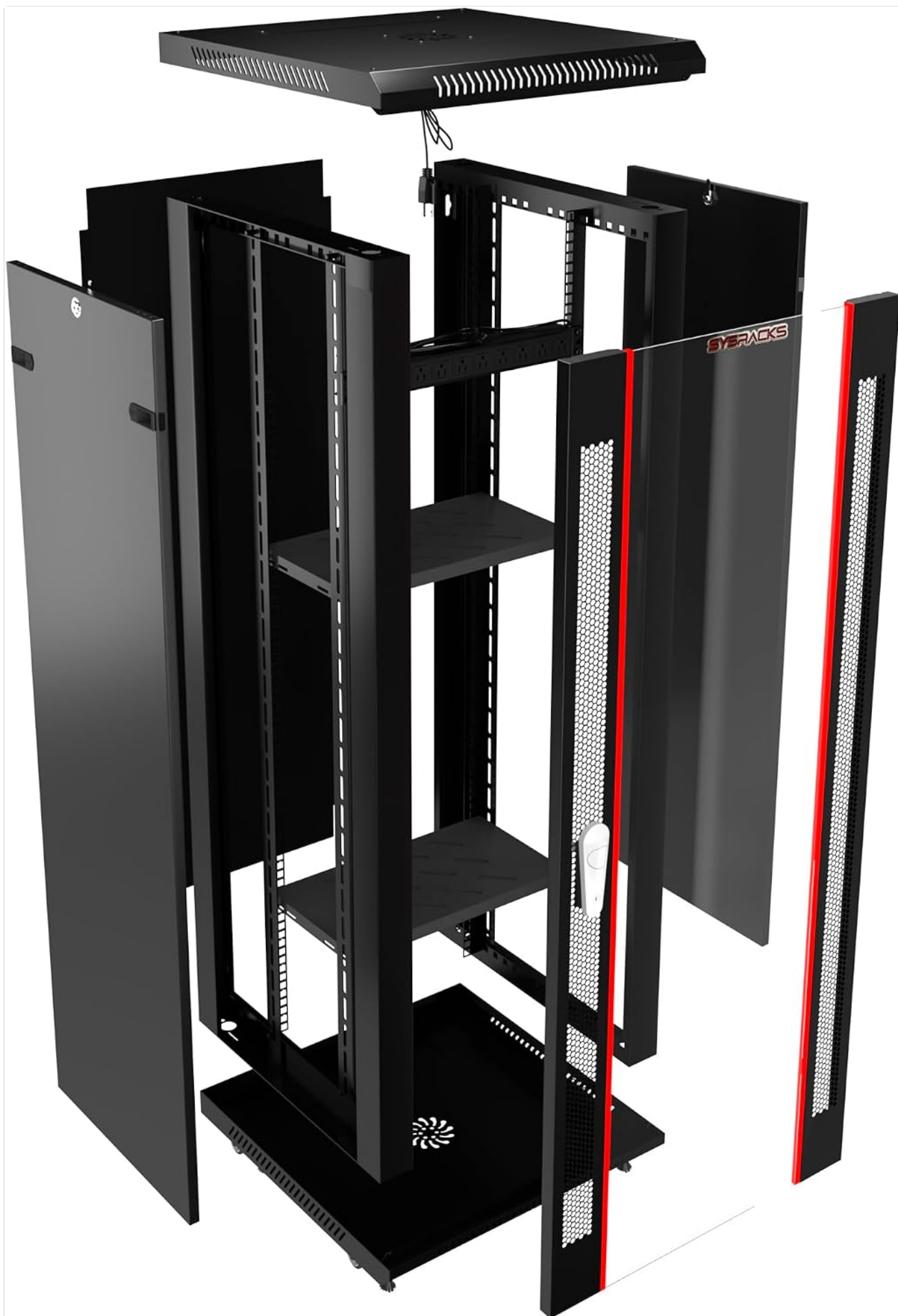


Figure 3.1: Exploded view of the Sysracks 18U rack components for assembly.

3.2 Assembly Instructions

The cabinet typically arrives partially assembled. Final assembly involves attaching side panels, the front door, and internal accessories.

1. **Frame Assembly:** Ensure the main frame is securely fastened.
2. **Side Panels:** Attach the removable side panels. Ensure they click into place and can be locked for security.
3. **Front Door:** Install the glass front door. Verify that the locking mechanism operates correctly.
4. **Vertical U-Rails:** Adjust the vertical mounting rails to the desired depth for your equipment. These are typically marked with U-numbers for easy alignment.
5. **Shelf Installation:** Mount the included shelf at the appropriate height using the provided hardware.
6. **PDU Installation:** Secure the Power Distribution Unit (PDU) inside the cabinet, typically to the rear vertical rails or a designated mounting area.
7. **Fan Installation:** The active fan is usually pre-installed in the top panel. Ensure its power cable is accessible for connection to the PDU.



Figure 3.2: Sysracks 18U rack with open panels for internal access and assembly.

3.3 Mounting Options

Wall Mounting:

1. Identify a suitable wall location capable of supporting the cabinet's weight plus the maximum equipment load (up to 160 lbs).
2. Use appropriate wall anchors and screws (not always included, verify with packaging) for your wall type (e.g., concrete, drywall with studs).
3. Mark the drilling points accurately using the cabinet's mounting holes as a template.
4. Securely attach the cabinet to the wall. Ensure it is level and stable before installing any equipment.

Floor Standing (Optional):

1. If converting to a floor-standing unit, attach the four flexible legs to the bottom of the cabinet using the provided hardware.
2. Ensure all legs are securely tightened and the cabinet is stable on a flat surface.

4. OPERATING INSTRUCTIONS

Once the cabinet is assembled and mounted, you can begin installing and managing your equipment.

4.1 Equipment Installation

1. Open the front door and side panels for easier access.
2. Mount your 19-inch rack-mountable equipment (e.g., servers, switches, routers) onto the vertical U-rails using appropriate rack screws. Ensure equipment is evenly distributed to maintain balance.
3. Place non-rack-mountable equipment on the installed shelf.



4.2 Cable Management

1. Route all power and data cables through the brush cable entries to maintain a tidy and organized interior.
2. Use cable ties or Velcro straps to bundle cables neatly, preventing obstruction of airflow and making future maintenance easier.
3. Connect equipment power cables to the installed PDU.

4.3 Ventilation System

1. Ensure the active fan in the top panel is connected to a power source (typically the PDU).
2. The fan operates to draw hot air out of the cabinet, promoting airflow through the perforated sections.
3. Monitor equipment temperatures to ensure adequate cooling.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Sysracks 18U cabinet and the equipment housed within it.

1. **Cleaning:** Periodically clean the exterior and interior of the cabinet with a soft, damp cloth. Avoid abrasive cleaners. Ensure the perforated sections and fan vents are free from dust and debris to maintain airflow.
2. **Fan Check:** Regularly inspect the active fan for proper operation. Listen for unusual noises and ensure it is spinning freely. Clean fan blades if dust accumulation is observed.
3. **Cable Inspection:** Check all cables for wear, damage, or loose connections. Re-secure any loose cables.
4. **Security Check:** Verify that all locks on the front door and side panels are functioning correctly. Ensure the cabinet is securely mounted to the wall or stable on its legs.
5. **Hardware Tightness:** Periodically check all screws and fasteners for tightness, especially after moving the cabinet or performing major equipment changes.

6. TROUBLESHOOTING

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

6.1 Overheating Equipment

- **Check Fan Operation:** Ensure the active fan is powered on and functioning. Clean any dust from the fan blades and vents.
- **Airflow Obstruction:** Verify that cables or equipment are not blocking the perforated sections or internal airflow paths.
- **Room Temperature:** Ensure the ambient room temperature is within acceptable limits for your equipment.

6.2 Cabinet Instability

- **Wall Mount:** Re-check wall anchors and screws for tightness. Ensure the wall material is suitable for the load.
- **Floor Standing:** Verify that all four flexible legs are securely attached and adjusted to provide a stable base on a level surface.
- **Equipment Distribution:** Ensure heavy equipment is placed towards the bottom of the rack and evenly distributed to prevent tipping.

6.3 Difficulty Locking Panels/Door

- **Alignment:** Ensure the door and side panels are correctly aligned with the frame.
- **Obstruction:** Check for any cables or equipment protruding and preventing the door/panel from closing fully.
- **Lock Mechanism:** Inspect the lock mechanism for any damage or debris.

7. SPECIFICATIONS

Feature	Specification
Model Number	SRW 18.6003
Rack Units	18U
Product Dimensions (D x W x H)	18"D x 24"W x 35"H (45.7cm D x 61cm W x 89cm H)
Item Weight	75 pounds (34 kg)
Material	Metal
Color	Black RAL 9005
Load Capacity	Up to 160 lbs (72.5 kg)
Front Door	Locking Glass Door
Side Panels	Removable, Lockable
Ventilation	Active Fan, Perforated Sides
Included Accessories	PDU, Shelf, Flexible Legs, Mounting Hardware

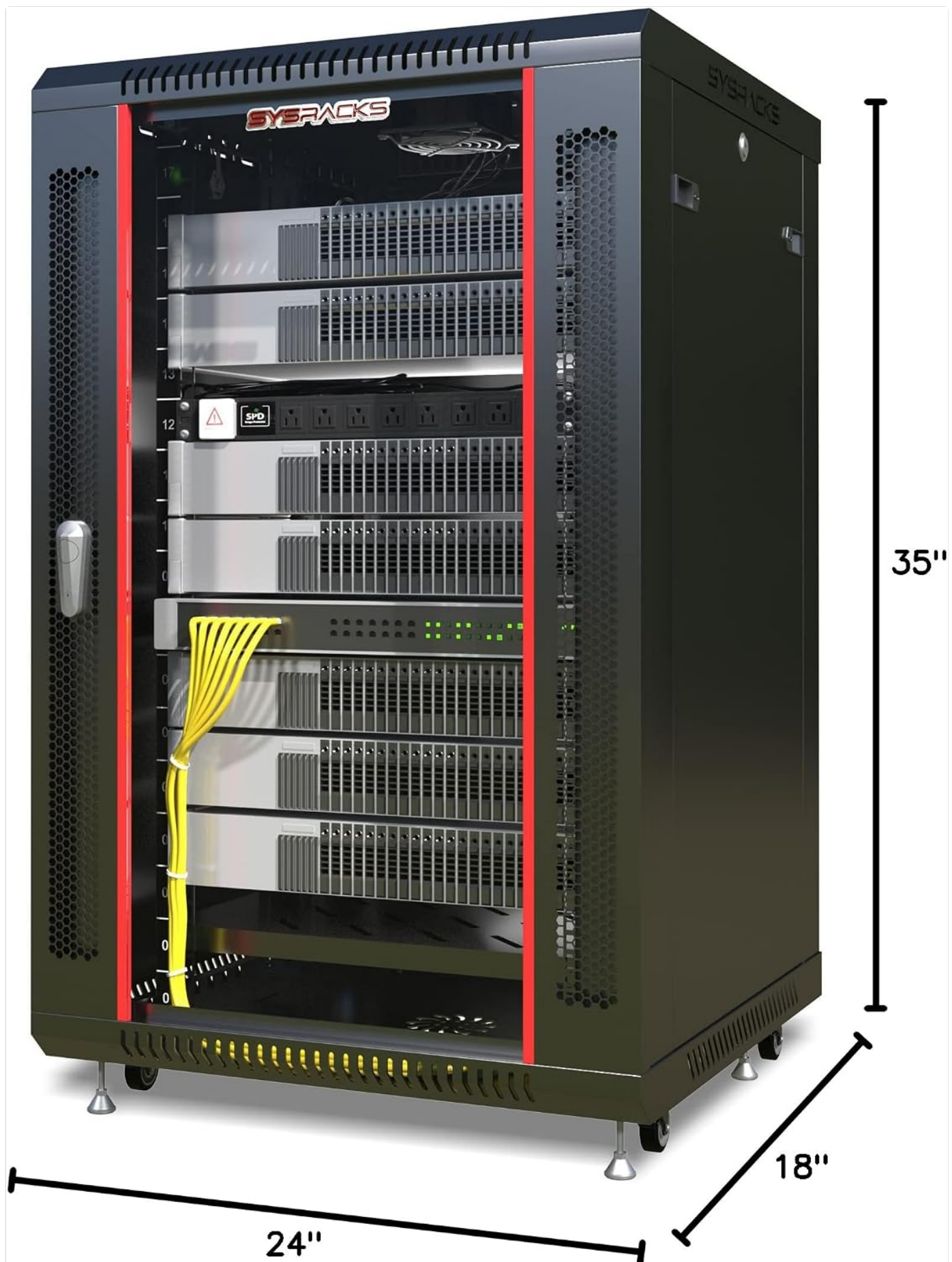


Figure 7.1: Key dimensions of the Sysracks 18U Wall Mount Server Rack.

8. WARRANTY AND SUPPORT

Sysracks is committed to providing high-quality products and customer satisfaction.

- **Returns:** This product is eligible for 30-day easy returns. Please refer to your purchase documentation for specific return policies.
- **Customer Support:** For technical assistance, warranty claims, or any questions regarding your Sysracks 18U Wall Mount Server Rack, please contact Sysracks customer support. Refer to the contact information provided with your purchase or visit the official Sysracks website.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question