

Middle Atlantic Products VPM-3

Middle Atlantic Products VPM-3 Instruction Manual

Model: VPM-3

1. INTRODUCTION

The Middle Atlantic Products VPM-3 is a versatile rack unit engineered for applications where a protective enclosure is not required. This unit is designed to accommodate various depths of equipment and offers flexible installation options. It can be mounted horizontally under a desk or table, or vertically as a wall mount. The VPM-3 features heavy-duty 10-32 threaded rackrail for secure equipment attachment and includes a dedicated hole for a safety screw, particularly useful for under-desk mounting scenarios.

Key features include:

- Accommodates all depths of equipment.
- Mounts horizontally or vertically for versatile component placement.
- Heavy-duty 10-32 threaded rackrail.
- Includes hole for safety screw (for under-desk mounting).

2. SETUP AND INSTALLATION

The VPM-3 offers flexible mounting solutions to suit your specific needs. Before installation, ensure the mounting surface is structurally sound and capable of supporting the rack unit and the weight of all intended equipment.

2.1 Mounting Options

- **Horizontal Mounting:** The VPM-3 can be installed horizontally under a desk or table. This orientation is ideal for discreetly housing equipment. Utilize the safety screw hole for added security when mounting under a desk.
- **Vertical Mounting:** The unit can also be mounted vertically on a wall. This is suitable for applications requiring equipment to be flush against a vertical surface.
- **Four-Point Mounting:** For enhanced stability and support of heavier equipment, two VPM-3 units can be used in conjunction to provide a robust four-point mounting solution.

2.2 Installation Steps

1. **Identify Mounting Location:** Choose a location that provides adequate ventilation and easy access for cabling and maintenance.
2. **Mark Mounting Points:** Hold the VPM-3 in the desired position and mark the locations for the mounting screws.

Ensure the unit is level before marking.

3. **Drill Pilot Holes:** Drill pilot holes appropriate for your chosen mounting hardware (not included).
4. **Secure the Unit:** Attach the VPM-3 to the mounting surface using suitable screws and anchors. For under-desk mounting, utilize the safety screw hole.
5. **Install Equipment:** Once the VPM-3 is securely mounted, install your equipment onto the 10-32 threaded rackrail using appropriate rack screws. Ensure all equipment is properly seated and tightened.



Figure 1: Middle Atlantic Products VPM-3 Rack Unit. This image displays the Middle Atlantic Products VPM-3 rack unit. The unit is a flat, rectangular steel panel with mounting brackets on either side, designed for horizontal or vertical installation. The surface shows various screw holes for equipment attachment and product labels.

3. OPERATING INSTRUCTIONS

The Middle Atlantic Products VPM-3 functions as a passive equipment mounting solution. Its operation primarily involves the secure installation and organization of your electronic components.

3.1 Equipment Installation

- Ensure the VPM-3 is firmly mounted before installing any equipment.
- Align your rack-mountable equipment with the 10-32 threaded rackrail.
- Use appropriate 10-32 rack screws (not included) to secure the equipment to the rackrail. Tighten screws firmly but do not overtighten.
- Distribute equipment weight evenly across the rack to maintain balance and stability.

3.2 Cable Management

While the VPM-3 does not include integrated cable management, it is recommended to use external cable ties or management accessories to organize cables connected to your equipment. Proper cable management helps maintain airflow, prevents damage, and simplifies troubleshooting.

4. MAINTENANCE

Regular maintenance of your Middle Atlantic Products VPM-3 will ensure its longevity and continued performance.

- **Cleaning:** Periodically wipe down the rack unit with a dry, soft cloth to remove dust and debris. Avoid using abrasive cleaners or solvents, which may damage the finish.
- **Hardware Inspection:** Every few months, inspect all mounting hardware and equipment screws. Ensure they remain tight and secure. Re-tighten any loose fasteners.
- **Structural Check:** Visually inspect the rack for any signs of bending, warping, or damage. If significant damage is observed, consider replacing the unit to ensure safety and stability.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with the VPM-3 rack unit.

5.1 Rack Instability

- **Issue:** The rack feels wobbly or unstable after installation.
- **Solution:**
 - Verify that all mounting screws are securely tightened.
 - Ensure the mounting surface is sturdy and capable of supporting the combined weight of the rack and equipment.
 - If using wall anchors, confirm they are appropriate for your wall material and properly installed.
 - Check that equipment weight is evenly distributed within the rack.

5.2 Equipment Not Fitting

- **Issue:** Equipment does not align with the rackrail or screws do not thread properly.
- **Solution:**
 - Ensure you are using 10-32 threaded rack screws, as specified for this unit.
 - Verify that the equipment is standard rack-mountable and its dimensions are compatible with a 3RU rack unit.
 - Check for any obstructions or debris in the rackrail threads.

6. SPECIFICATIONS

Attribute	Specification
Brand	Middle Atlantic Products
Model Number	VPM-3
Rack Units (RU)	3 RU
Usable Height	5.25 inches
Product Dimensions (LxWxH)	19.25 x 6 x 5.25 inches
Item Weight	0.16 ounces
Capacity Weight (US)	200 lbs
Finish Type	Black
Rackrail Type	10-32 threaded
Material	Steel
Mounting	Horizontal/Vertical
RoHS Compliant	Yes
Greenguard Certified	Yes
Country of Origin	China

7. WARRANTY AND SUPPORT

For specific warranty information regarding your Middle Atlantic Products VPM-3, please refer to the documentation provided with your purchase or contact the manufacturer directly. Warranty terms and conditions may vary.

7.1 Manufacturer Contact

Manufacturer: Middle Atlantic Products

For support inquiries, please visit the official Middle Atlantic Products website or contact their customer service department.

7.2 Retailer Information

This product is distributed by AVBcable. You can find more information about AVBcable and their products by visiting their store page: [AVBcable Store](#).

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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