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- › [Panduit](#) /
- › [Panduit WMPV45E Vertical Cable Management Instruction Manual](#)

Panduit WMPV45E

Panduit WMPV45E Vertical Cable Management Instruction Manual

Model: WMPV45E

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Panduit WMPV45E Vertical Cable Management system. The WMPV45E is designed to organize and protect cables within network racks and enclosures, offering both front and rear cable management capabilities for 45 Rack Units (RU).

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in injury or damage to the equipment.

- Ensure all power to equipment is disconnected before working with cables or installing the manager.
- Wear appropriate personal protective equipment (PPE) if required by your facility.
- Handle the cable manager carefully due to its size and weight.
- Do not overload the cable manager beyond its intended capacity.
- Ensure proper grounding of all connected equipment.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- Panduit WMPV45E Vertical Cable Manager (1 unit)
- Mounting Hardware (as specified by manufacturer)

Note: Additional tools for installation (e.g., screwdriver, wrench, measuring tape) are not included.

4. INSTALLATION INSTRUCTIONS

The Panduit WMPV45E Vertical Cable Manager is designed for installation in standard 19-inch or 23-inch racks and cabinets. It provides 45 RU of vertical cable management space.

4.1 Mounting the Cable Manager

1. Identify the desired location for the vertical cable manager within your rack or cabinet. Ensure sufficient space is available for the manager's dimensions (83.0 inches height x 4.9 inches width x 12.0 inches depth).
2. Align the mounting holes on the cable manager with the corresponding holes on the rack rails.
3. Secure the cable manager to the rack using the provided mounting hardware. Start by loosely attaching all fasteners, then tighten them securely once the manager is properly aligned and level.
4. Verify that the cable manager is firmly attached and stable before proceeding.



Image: Illustration of typical server rack frames where the vertical cable manager would be installed.



Image: Side view of the Panduit WMPV45E Vertical Cable Manager, illustrating its depth and the cable routing fingers.

5. OPERATING AND CABLE ROUTING

The WMPV45E provides dedicated pathways for cables, ensuring proper bend radius and reducing cable stress. It supports both front and rear cable management.

1. **Front Cable Management:** Route patch cords and equipment cables through the front fingers of the manager. Utilize the open slots to guide cables horizontally to their respective equipment ports.
2. **Rear Cable Management:** For managing bulk cables or equipment cables that need to be routed to the rear of the rack, use the rear channels of the manager. The design allows for segregation of different cable types if desired.
3. **Cable Bundling:** Use cable ties or hook-and-loop fasteners (not included) to bundle cables neatly within the manager's channels and fingers. Avoid over-tightening cable ties, which can damage cables.
4. **Maintain Bend Radius:** Always ensure that cables maintain their minimum bend radius to prevent signal degradation and cable damage. The manager's design assists in maintaining proper bend radius.



Image: Front view of the Panduit WMPV45E Vertical Cable Manager, showing the numerous cable management fingers for organizing cables.



Image: A close-up view demonstrating how cables are neatly routed and organized within the fingers of a cable management system, ensuring proper bend radius.

6. MAINTENANCE

The Panduit WMPV45E Vertical Cable Manager requires minimal maintenance.

- **Cleaning:** Periodically wipe down the manager with a soft, damp cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly inspect the cable manager for any signs of damage, such as cracks or broken fingers. Ensure all mounting hardware remains tight.
- **Cable Management Review:** As your network infrastructure evolves, periodically review your cable routing to ensure optimal organization and airflow.

7. TROUBLESHOOTING

This section addresses common issues that may arise during the use of the vertical cable manager.

Issue	Possible Cause	Solution
Cables are disorganized or difficult to trace.	Improper routing or lack of bundling.	Re-route cables, utilizing the front and rear channels. Use cable ties or hook-and-loop fasteners to bundle cables.
Cable manager feels loose or unstable.	Mounting hardware is not sufficiently tightened.	Ensure all mounting screws are securely fastened to the rack rails.
Cables appear kinked or stressed.	Cables are bent too sharply or over-tightened.	Adjust cable routing to maintain proper bend radius. Loosen any over-tightened cable ties.

8. SPECIFICATIONS

Feature	Detail
Model Number	WMPV45E
Type	Vertical Cable Manager
Rack Units (RU)	45 RU
Dimensions (Height x Width x Depth)	83.0 inches x 4.9 inches x 12.0 inches (2108mm x 125mm x 306mm)
Item Weight	19.31 pounds (8.76 kg)
Material	Plastic
Color	Black
Management Type	Front and Rear

9. WARRANTY INFORMATION

Specific warranty details for the Panduit WMPV45E are typically provided at the point of purchase or can be found on the official Panduit website. Please refer to your purchase documentation or contact Panduit customer support for comprehensive warranty terms and conditions.

10. SUPPORT AND CONTACT INFORMATION

For technical assistance, product inquiries, or support, please contact Panduit directly.

- **Manufacturer:** Panduit Corp.
- **Website:** www.panduit.com
- Refer to the official Panduit website for regional contact information and support resources.

