



Invest in Solid Engineering

VCM5-FR, VCM5-FO
5" Vertical Cable Management & Accessories

Installation Instructions



WeRackYourWorld.com

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PREFACE

This manual is provided to prevent service personnel from committing an act that results in the risk of fire, electric shock, or injury to persons. Only trained service personnel should receive, unpack, and assemble the Vertical Cable Manager (VCM). In addition, only trained service personnel should manage cables in the VCM.

SAFETY SYMBOLS USED IN THIS MANUAL

This manual provides general safety guidelines to be observed during installation, operation, and maintenance of the VCMs.



WARNING:

Failure to follow directions in the warning could result in injury to persons or loss of life.

Improper handling and use of the VCM could result in equipment damage, serious injury, or possible death.

Only UL® Listed ITE (Information Technology Equipment) cable should be managed with the VCM.

Be sure to read and follow all individual manufacturer equipment manuals for safety and installation instructions.

Proper spacing is required when installing electrical equipment to avoid electrical shock.

PARTS LIST: VCM5-FO & VCM5-FR

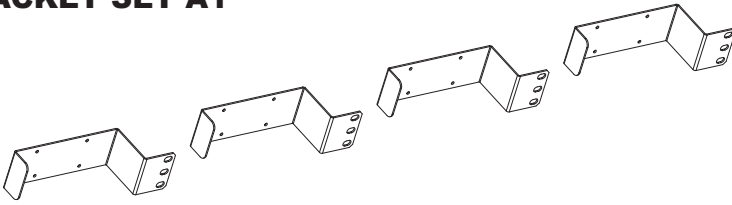
COMPONENTS AND QUANTITIES ARE THE SAME FOR
VCM5-FO AND VCM5-FR, EXCEPT WHERE SPECIFIED

COMPONENT	QTY.
VCM5-FO CHANNEL OR VCM5-FR CHANNEL	2
5" CHANNEL COVERS	VCM5-FO: 2; VCM5-FR:4
BRACKET SET "A1" (BRACKETS ARE INSTALLED ON CHANNEL BY DEFAULT)	4
BRACKET SET "A2"	4
#12-24 SCREWS	8
#8-32 X 1/2" SCREWS	16
INSTRUCTION MANUAL	1
TOOLS REQUIRED: 3/8" NUT DRIVER, PHILLIPS HEAD SCREWDRIVER	

5" VERTICAL CABLE MANAGER MOUNTING BRACKETS

There are two sets of 4 brackets that will allow you to mount the cable management channels in multiple ways. Each bracket set is compatible with different racks - ensure that the brackets that are being used are the correct brackets for the rack. In addition, bracket sets will allow VCMs to be mounted to the front or back of rack uprights; however, some racks can only accept mounting to the front of the upright.

BRACKET SET A1

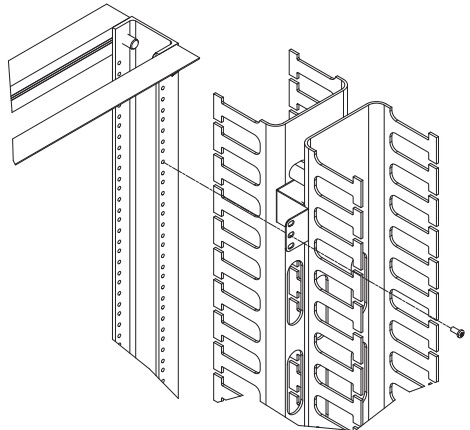
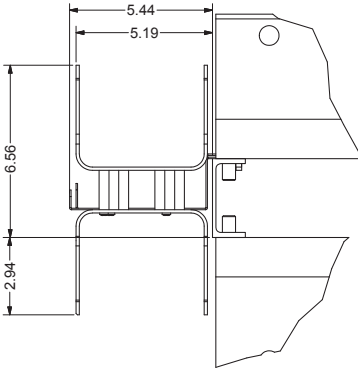


COMPATIBILITY:

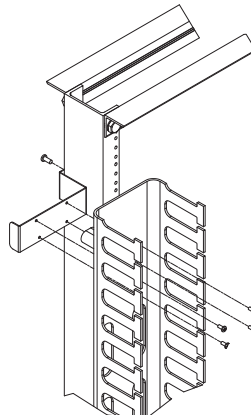
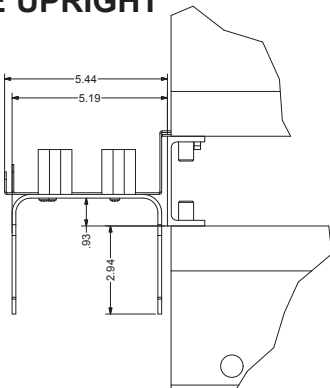
Bracket Set A1 is compatible with the following Great Lakes racks:

- GLRR-1984** (VCM can mount to the front or back side of upright)
- 4P1224-** (VCM can mount to the front or back side of upright)
- 4PM6-** (VCM must mount to front of upright)
- 4PHD29 (VCM must mount to front of upright)

MOUNTING BRACKET SET A1 MOUNTED TO THE FRONT OF THE UPRIGHT



MOUNTING BRACKET SET A1 MOUNTED TO THE BACK OF THE UPRIGHT



INSTRUCTIONS FOR BRACKET SET A1

1. Align the channel mounting brackets with the equipment rack (Figure 1).

2. To secure the channel in place, push the supplied #12-24 screws through the mounting bracket and screw into the equipment rack.

3. When assembling the 80" channel, carefully align the connecting tabs (Figure 2).

4. To install the cover(s), fit the cover over one side of duct fingers and rotate the cover to the other side until it snaps into place.

NOTE: The channel fingers can be bent outward and snapped off to more easily run cables from the vertical to the horizontal channel.

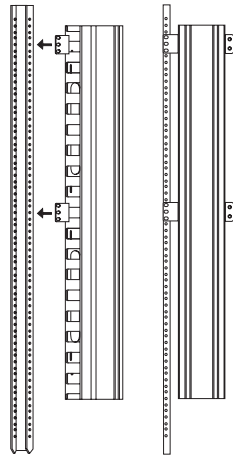


FIGURE 1

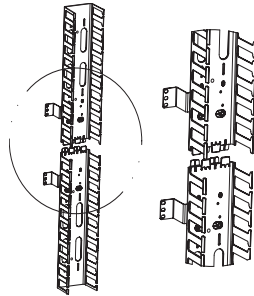
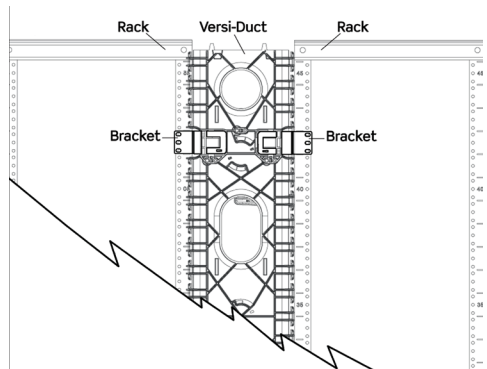


FIGURE 2

MOUNTING BETWEEN TWO RACKS

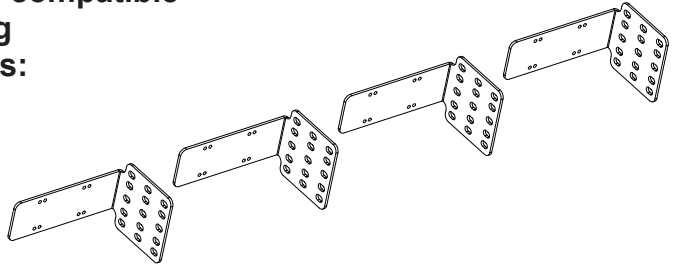
When center mounting the VCM5 between any two of the A1 compatible racks, a second set of A1 Brackets should be used, so that there are 4 brackets installed on the left and right side of the channel. Optional Part No. VCM5-BKT, consists of 4, A1 brackets and should be used with center mount applications.



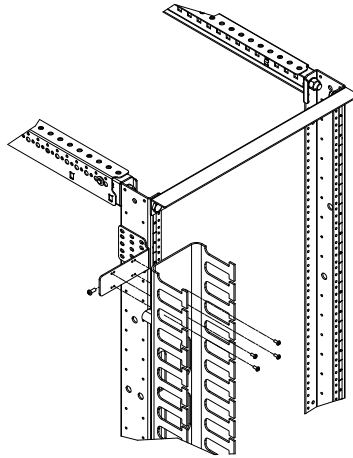
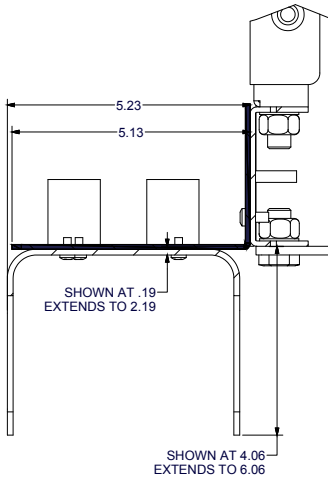
Bracket set A2 is compatible with the following Great Lakes racks:

- VD4PM6-2436
- VD4P1224-2436
- VD4PHD-2436
- CMR-45U16
- CMR-45U

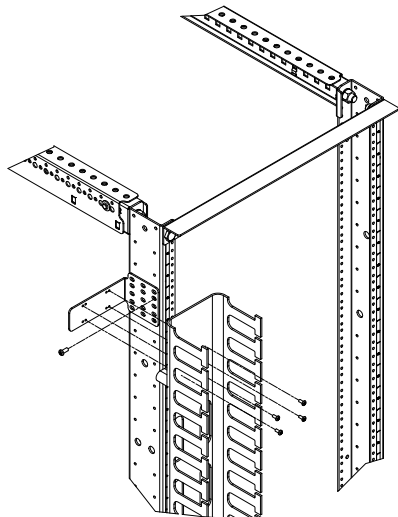
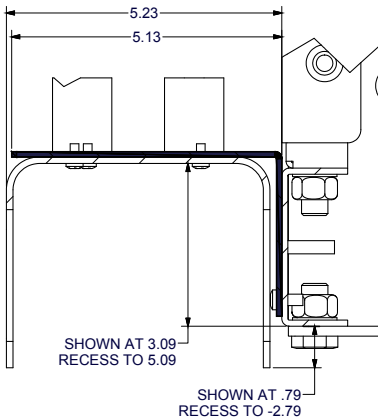
BRACKET SET A2



MOUNTING BRACKET SET A2 TOWARDS THE FRONT OF THE UPRIGHT



MOUNTING BRACKET SET A2 TOWARDS THE BACK OF THE UPRIGHT



INSTRUCTIONS FOR BRACKET SET A2

1. Remove bracket set A1. Based on the rack that is being used, determine if the VCM will mount to the front or rear of the upright. Front or rear mounting will determine correct orientation of bracket set A2 (see page 5 for details). Once orientation is determined, secure the brackets (2 per each 40" section) to the VCM by using the supplied #8-32 screws (Figure 3). Verify bracket is securely fastened into place.

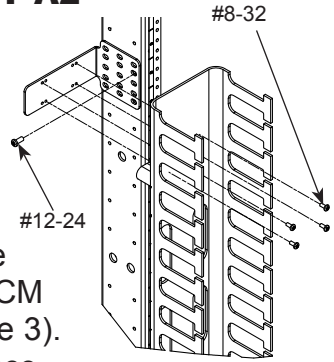


FIGURE 3

NOTE: All provided brackets must be installed on the same side of the channel.

2. Hold the first channel section in the desired location of the equipment rack, align the bracket to the appropriate mounting holes located on either the front/back side of the rack.

3. To secure the channel section, screw the supplied #12-24 screws through the mounting bracket into the desired holes in the equipment rack and tighten.

NOTE: Use cage nut hardware supplied with your square hole uprights for those applications.

4. To mount the second section, carefully align the tabs on the two sections (Figure 4) and attach to the upright.

5. Snap the supplied covers on the pre-determined fingers for cable security and to maintain a clean installation.

NOTE: The channel fingers can be bent outward and snapped off to more easily run cables from the vertical to the horizontal channel.

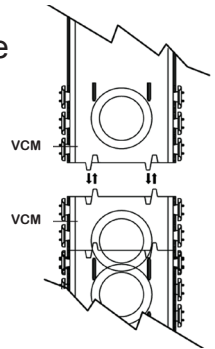


FIGURE 4

OPTIONAL MOUNTING:

Connect the top and bottom of the cable management section. Install all 4 mounting brackets. Next hold up to rack and pencil mark the holes you need to secure VCM5F* to rack. Remove the brackets and install them unto the rack. Finally attach to cable management to rack by using #12-24 screws.

OPTIONAL ACCESSORIES

Slack Spool VCM5-SL

The Slack Loop Storage Organizer manages and stores excess cable for future use. The Organizer is moveable and can be installed to accommodate different size slack loops.

1. Slide the Slack Loop Storage Organizer over the fingers of the Vertical Slotted Duct (Figure 5).

NOTE: Bend radius and Slack Loop Storage Organizer are compliant with ANSI/TIA/EIA standards.

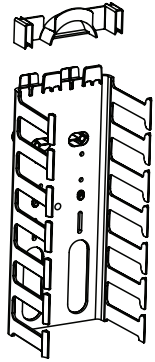


FIGURE 5

Cable Retainer VCM5-CR

The Cable Retainer is designed to hold cable within the channel. The Cable Retainer has four notches, so it can be snapped off to accommodate different size slotted ducts.

1. Slide the Cable Retainer over the channel finger until it snaps into place (Figure 6).

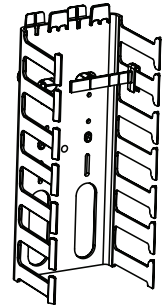


FIGURE 6

Cover Hinge VCM5-HNG (optional)

The Cover Hinge is designed to easily open and close cover for increased protection and easy access.

1. Attach cover first. Snap hinge between slotted fingers and attach to one side of cover (Figure 7).

NOTE: Use a minimum of two hinges per cover.

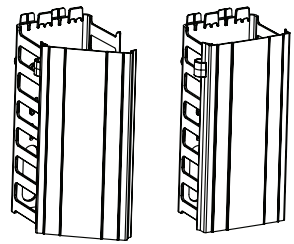


FIGURE 7

SAFETY INFORMATION

- 1. Never install wiring or components during a lightning storm.*
- 2. Never install components in wet locations unless the components are designed specifically for use in wet locations.*
- 3. Never touch uninsulated wires or terminals unless the wiring has been disconnected at the network interface.*
- 4. Use caution when installing or modifying wiring or components.*

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