> ✕ **Managing cable from the rear of the patch panels**

> ✕ **Assembly Instructions**

> ✕ **Installation**

> ✕ **How to make a 4 Post Rack**

> ✕ **Baying with Vertical Cable Manager**

Features

- Environ OR Inventory
- Tools required
- Assembly Instructions
- Installation
- Baying with Vertical Cable Manager

- Fitting 19" Patch Panels / Equipment
- Managing cable from the rear of the patch panels
- Patch Cord Management
- How to make a 4 Post Rack

Introduction

This installation guidelines document covers assembly instructions for the Environ OR 2 Post Racks, Baying with Vertical Cable Management, creating a 4 Post Rack and cabling suggestions.

Environ OR Inventory

OR

- 2 off Vertical Sections
- 2 off Base Angles
- 2 off Top Angles
- Fixings

Vertical Cable Manager

- Vertical Cable Manager - assembled
- Fixings
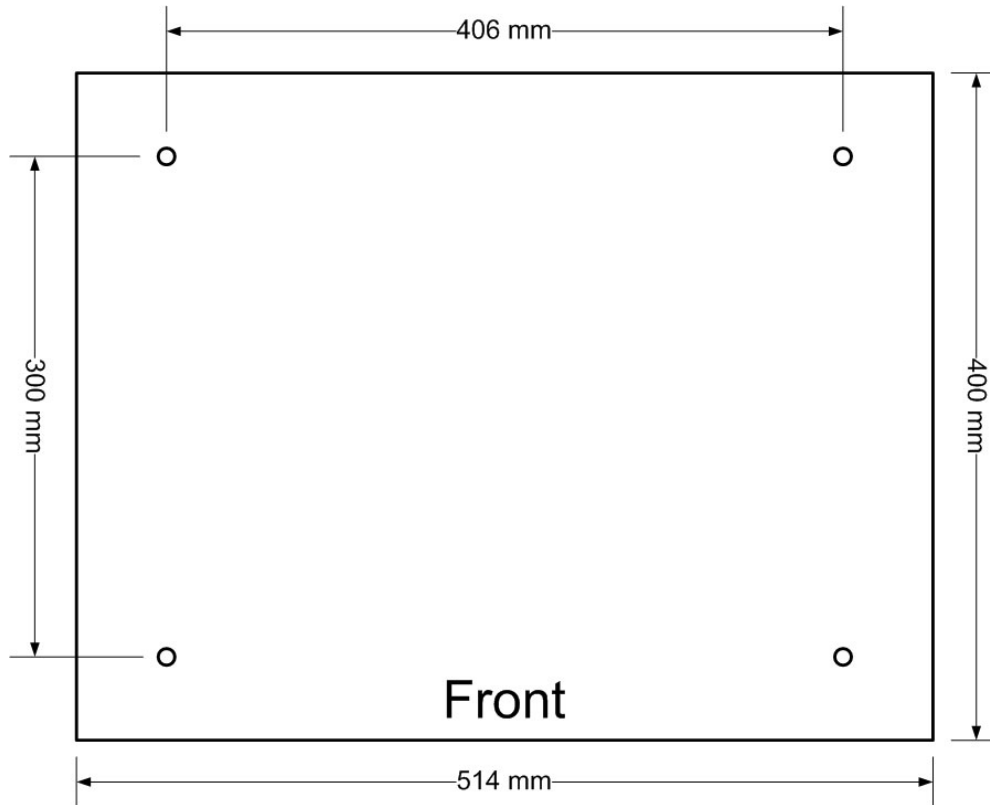
Tools Required

The following tools are required:

- 2 qty spanners (13 mm)
- Philips Screw Driver

Assembly Instructions - OR

- Lay the two vertical sections on a flat service
- Fit the two Base Angles with the nut and bolt fixings - "finger tight"
- Fit the two Top Angles with the nut and bolt fixings - "finger tight"
- Adjust inner distance between vertical sections to be 450 ± 0.5 mm
- Check diagonal distances are the same
- Tighten nut and bolts

Installation

Select suitable fixings appropriate for the floor. The OR has four 10 mm holes in the base angles. Below shows the spacing of the fixings.

```
                    406 mm

        ○                           ○

                                                    400 mm

    300 mm


        ○                           ○

                      Front

                    514 mm
```

Baying Vertical Cable Management

The Vertical Cable Management can be attached to each side of the OR 2 Post Racks. The Vertical Cable Management can be shared with the next OR 2 Post Frame or joined to another Vertical Cable Manager. The Vertical Cable Manager is fixed to the OR 2 Post Rack or adjacent Vertical Cable Manager in the following way:

- Place the Vertical Cable Manager next to the OR 2 Post Rack
- Remove both doors by rotating the handles in the direction of the arrows
- Use the supplied M8 x 15 mm Bolts and M8 Nuts to fix the Vertical Cable Manager to the OR 2 Post Rack
- Replace the doors

Fitting 19" Patch Panels / Equipment

Patch Panels and equipment may be fitted to the OR 2 Post Rack using standard M6 Screws (supplied with the patch panels). The OR 2 Post Rack has M6 tapped holes in the front and rear faces of the profile. They match all three hole positions for each "U".
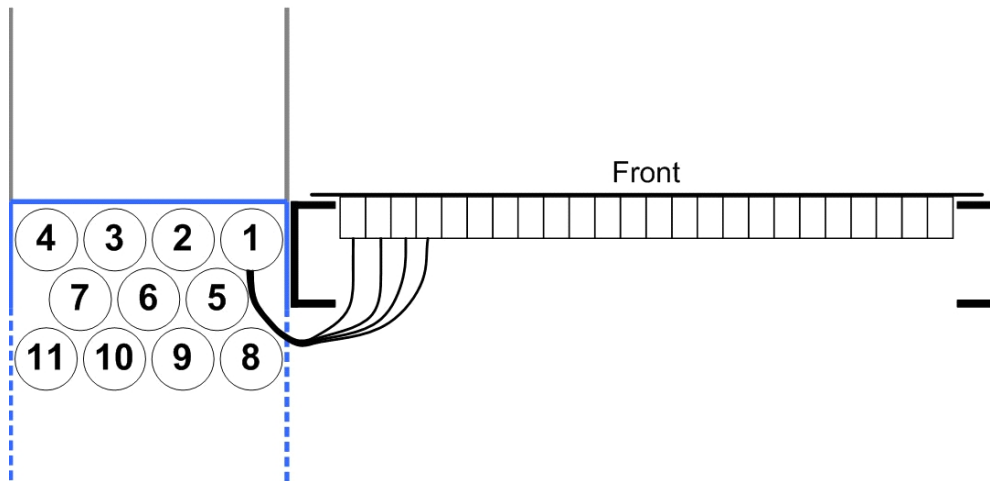
Managing cable from the rear of the patch panels

The rear section of the Vertical Cable Manager is designed to accommodate the cable terminated on the patch panels. The plastic fingers of the Vertical Cable Manager supports the cable without damage. The suggested methods are:

- Bundle cables from the rear of the patch panel. Either all to one side or split half left and half right.

- The bundles are fixed in place within the Vertical Cable Manager. The Hook & Loop cable tie type is best to ensure no damage to the cable.
- It is suggested that if the incoming cables rise from below the upper most panel is installed first and if the cables descend from above then the lower most panel is installed first.
- The bundles then may be attached in the following order in the left and right Vertical Cable Managers
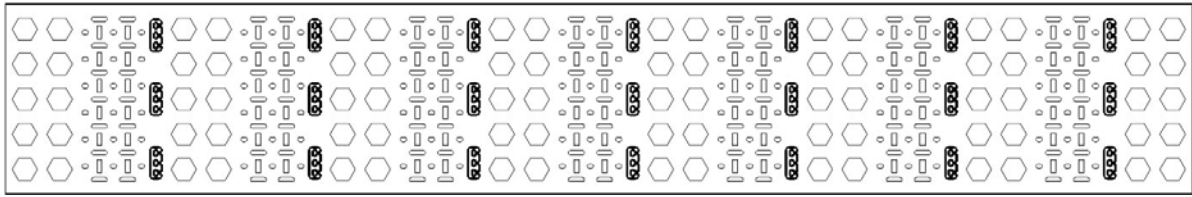

Patch Cord Management

The front section of the Vertical Cable Manager supports the patch cables with the plastic fingers. Plastic spools are included in 200 mm and wider Vertical Cable Managers. These are suitable for use with copper of fibre cords and may be easily removed if not required.
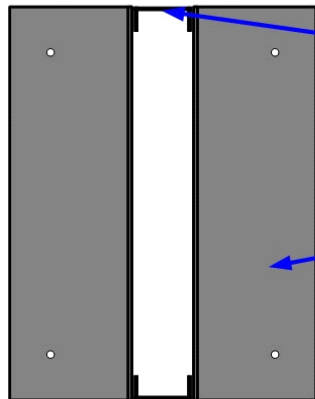
How Configure a 4 Post Rack

Two racks can be fitted to together to create a 4 post rack using the Excel Enhanced Cable Trays. Either 150 or 300 mm cable trays may be used. List of items required.

- 2 qty Environ 2 Post Rack
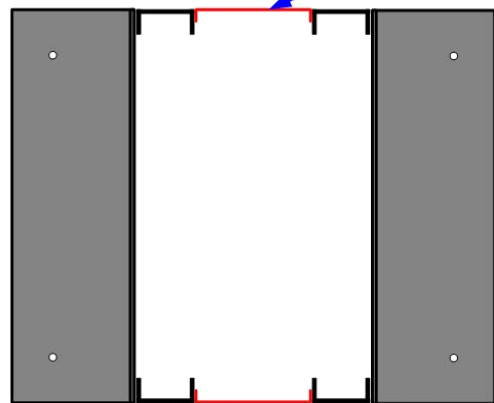- 1 qty Excel Enhanced Cable Tray (2 Pack) - size to match 2 Post Rack height

- Assemble the two OR 2 Post Racks without the inner Base Angles
- Join the Excel Enhanced Cable Tray to the inner rack mount profiles of the 2 Post Racks using the supplied M6 Screws
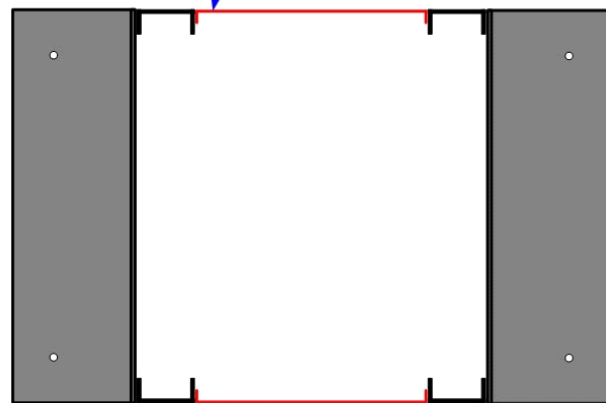
Single 2 Post Rack

19" Vertical Profile
Base Profile
150 mm Cable Tray
300 mm Cable Tray

2 Racks with 150 mm Cable Tray   **2 Racks with 300 mm Cable Tray**

Excel is a world-class premium performing end-to-end infrastructure solution - designed, manufactured, supported and delivered - without compromise.

Contact us at **sales@excel-networking.com**

excel
without compromise.