Guardian Cabinets Side Mounting Rail CS-CAB-MNTG-C6-R3 Installation Guide

About This Guide

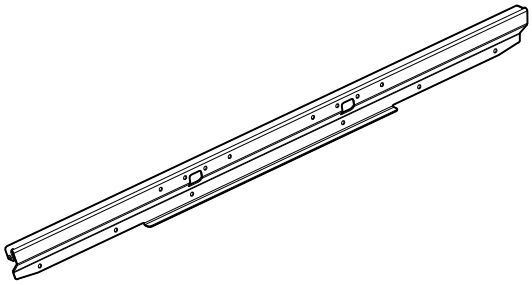
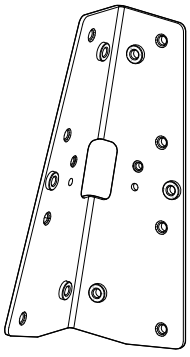
This guide describes the equipment and procedure to install the CS-CAB-MNTG-C6-R3 mounting rail when fitted to the Midi, Large, X-Large or Extreme Guardian Cabinets.

This guide is aimed at a competent user or technician.

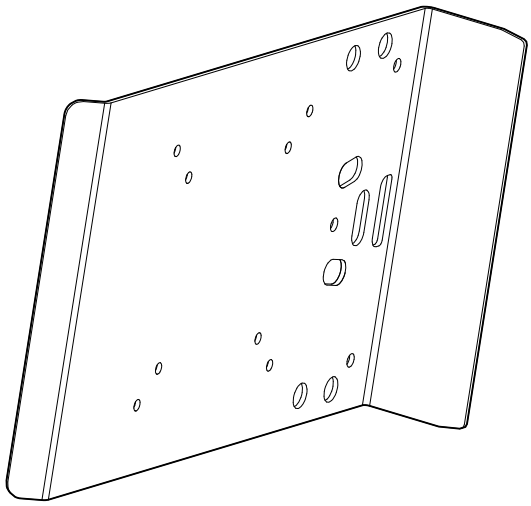
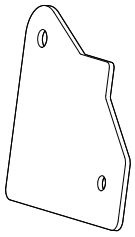
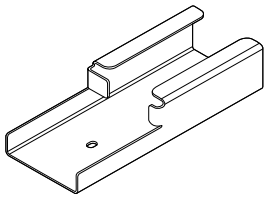
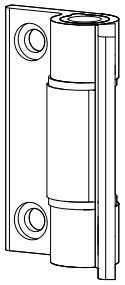
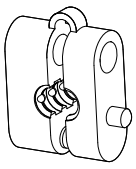
Parts List

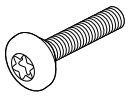
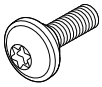
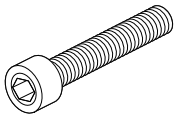
Before proceeding, verify that you have all of the following parts:

NOTE: The parts below are for illustration purposes only; the actual parts are powder-coated black or self-colored dark grey.

Item	Image	Size in mm (L x W x H)	Quantity	Actual Color
Side mounted rail		1012 x 70 x 22	1	Black
Angled bracket		156 x 62 x 62	1	Black

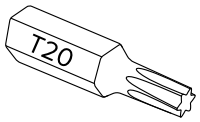
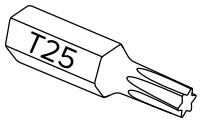
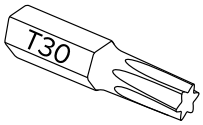
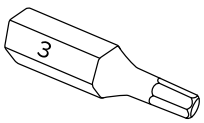
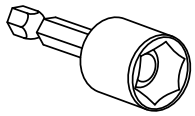
MN-004995-01EN Rev A

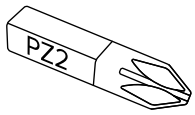
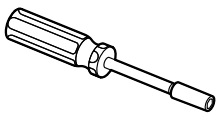
Item	Image	Size in mm (L x W x H)	Quantity	Actual Color
VESA mount		254 x 156 x 56	1	Black
Cable cover		73 x 82 x 2	1	Black
Power Supply Unit (PSU) bracket		170 x 66 x 36	1	Black
Friction hinges		65 x 55 x 18	2	Dark grey
Cable clamp		17 x 25	1	Black

Item	Image	Size in mm (L x W x H)	Quantity	Actual Color
M6 x 20 button head screw, TX30		20 x 6	3	Black
M5 x 10 button head screw, TX25		10 x 5	12	Black
M4 x 8 flange button head screw, TX20		8 x 4	4	Black
M4 x 18 socket cap screw		18 x 4	1	Black

Tools Required

The table describes the tools that are required to assemble the unit.

Tool	Image	Used For
Torx driver, T20		Tablet to VESA bracket, M4 x 10
Torx driver, T25		Hinge fixings, M5 x 10
Torx driver, T30		Cabinet fixings, M6 x 16, M6 x 20
Allen key, 3mm		Cable clamp, M5 x 20
10mm socket		PDU fixing nut M5 nyloc

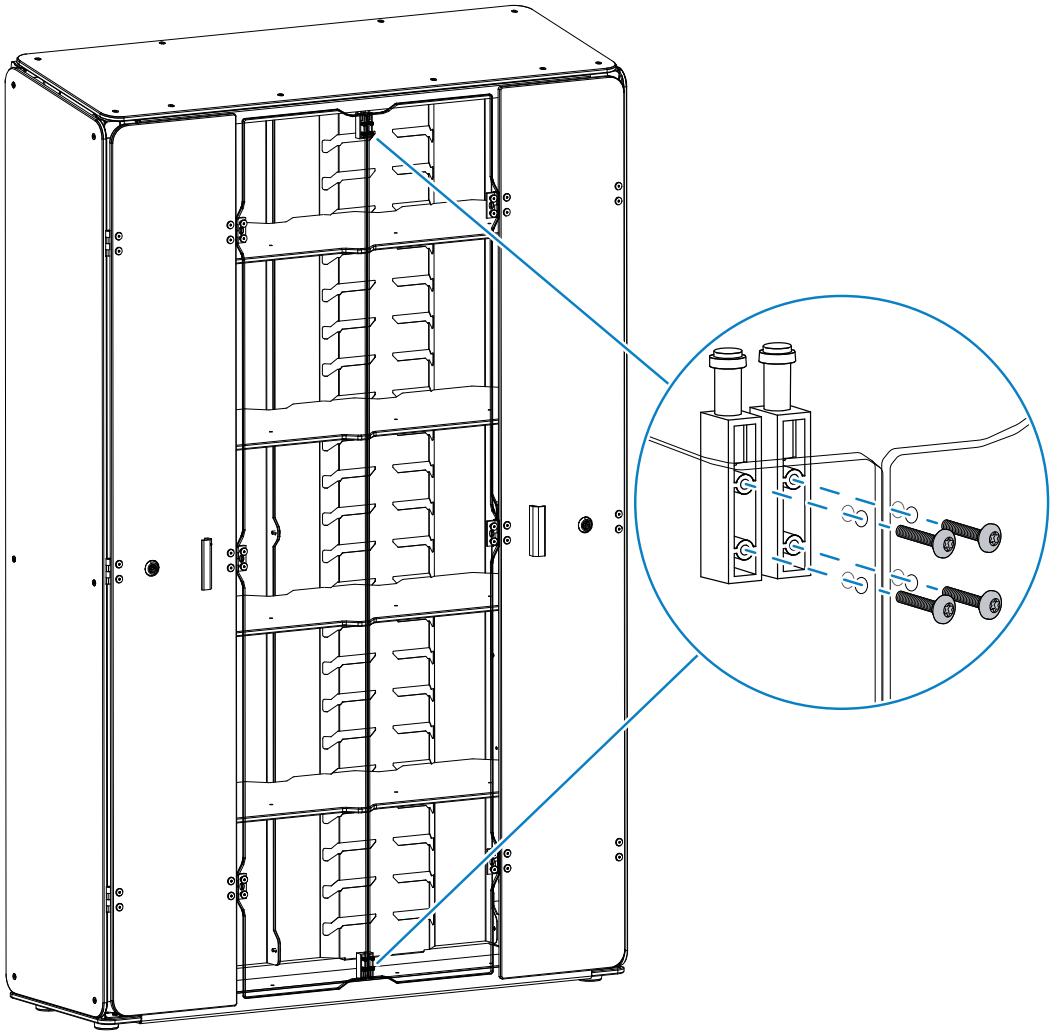
Tool	Image	Used For
PZ2 posi drive		Adjusting friction hinges
Hex drive handle		Driving all of the above hex bits

Installing the Mounting Rail

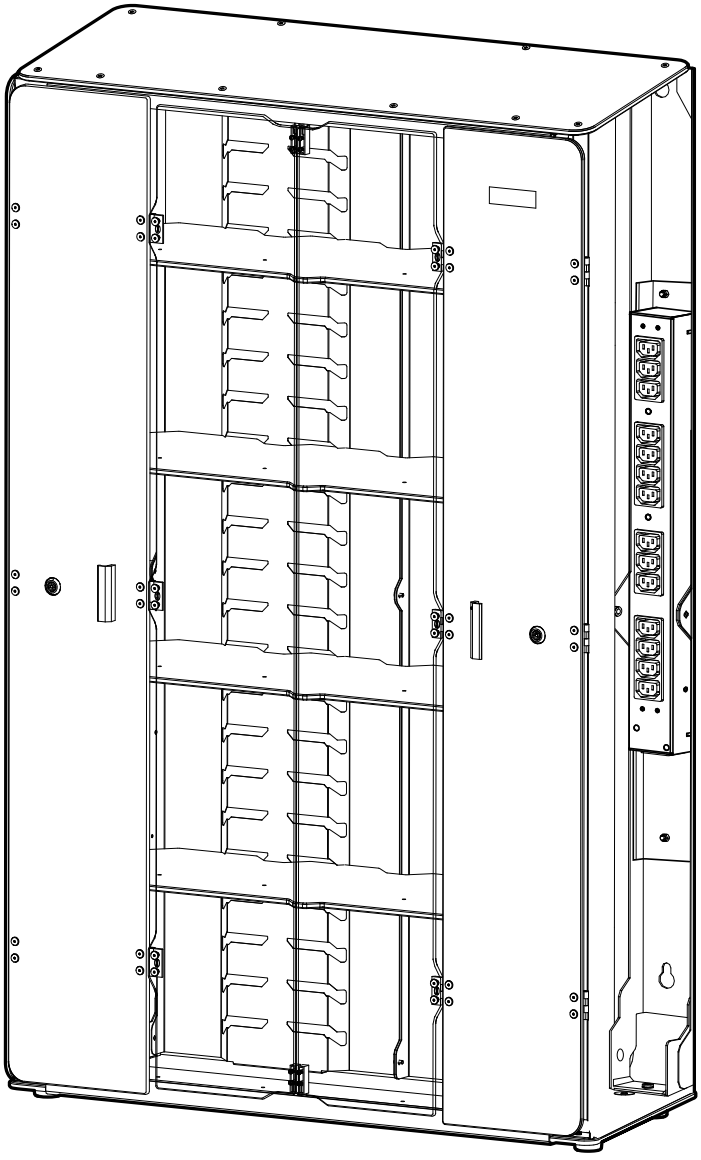
Before the installation, disconnect the power and remove all the devices connected to the cabinet. Access to the top of the Power Distribution Unit (PDU) is required, so remove the shelf closest to the top of the PDU. For information about removing and inserting the shelves, refer to the Guardian Cabinet Installation guides.

Decide which side of the cabinet is suitable for the installation; the rail can be attached to the left or right-hand side of any Midi, Large, X-large or Extreme cabinet. The images used in this guide will show the rail mounted on the right-hand side.

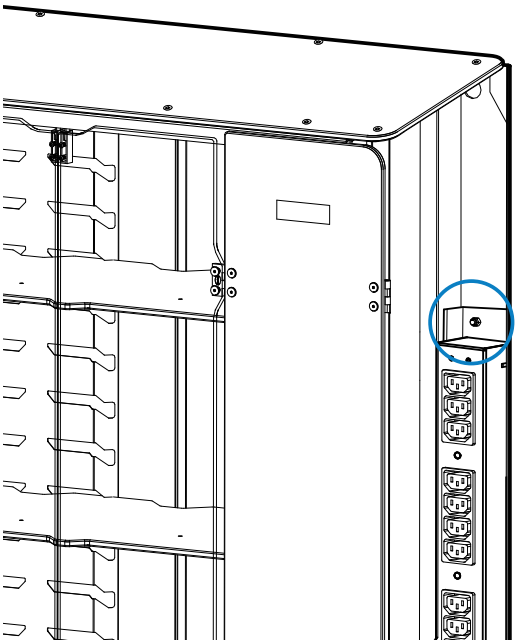
1. After deciding which side to use (right or left), install the PSU bracket. To improve access to the inside of the cabinet, remove the top and bottom door retaining blocks nearest the installation side.



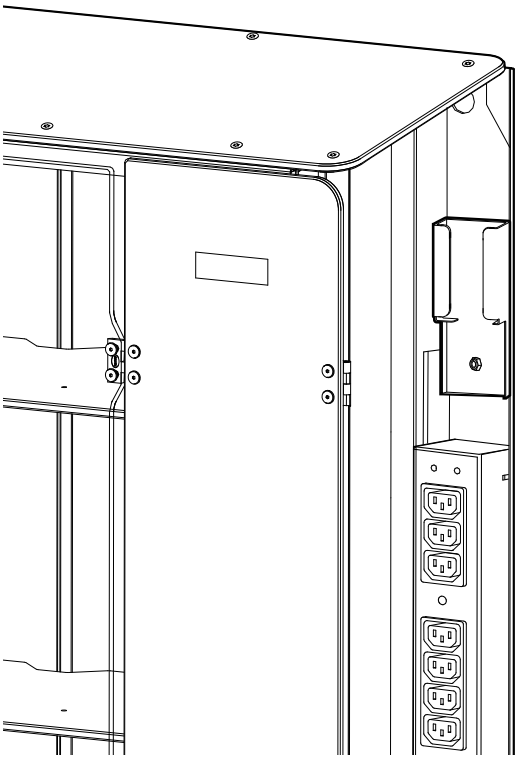
2. Alternatively, remove the side panel as shown.



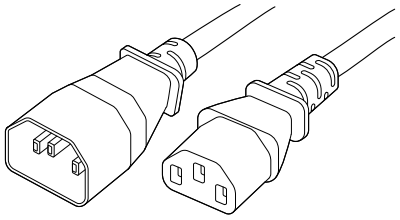
3. Remove the top M5 nyloc nut securing the PDU bracket to the rear top right. Because of limited space on the X-Large and Extreme cabinets, it is necessary to insert the PSU into the PSU bracket, and then place the PSU bracket over the screw and replace the nyloc nut.



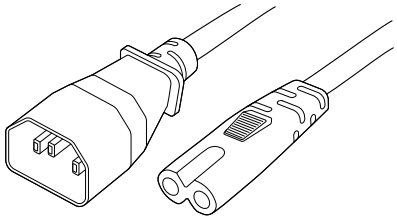
4. Place the PSU into the PSU bracket with the input down for ease of cable management.



5. Plug the mains power cable into the PDU and PSU. The ET40 requires a C13 to C14 cable while the CC6000 needs a C14 to C7 cable.



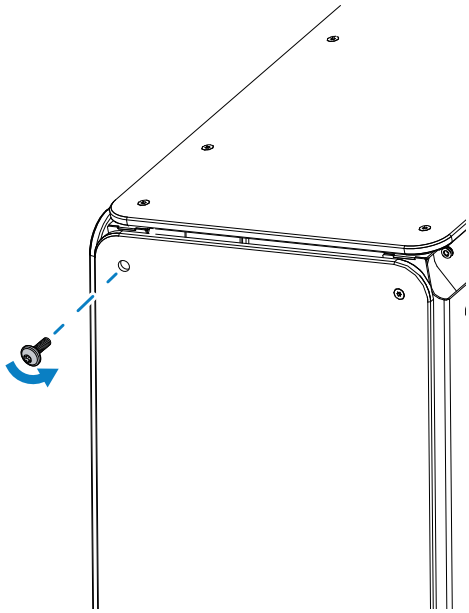
C14 to C13 - Used by ET40 PSU



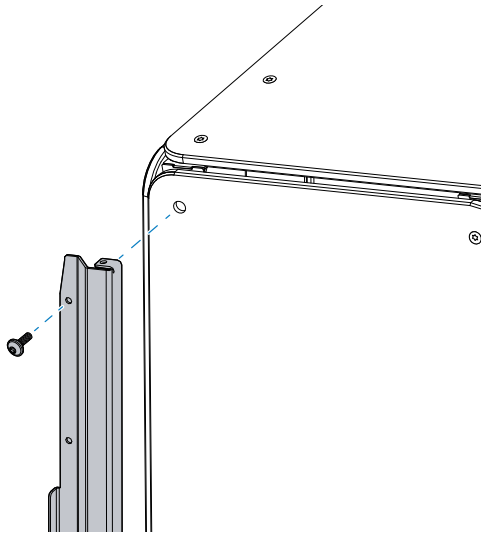
C14 to C7 - Used by CC6000 PSU

6. Route the DC output cable up and out of the front corner of the cabinet, near where the rail will be mounted. If the side panel was removed then replace it now.

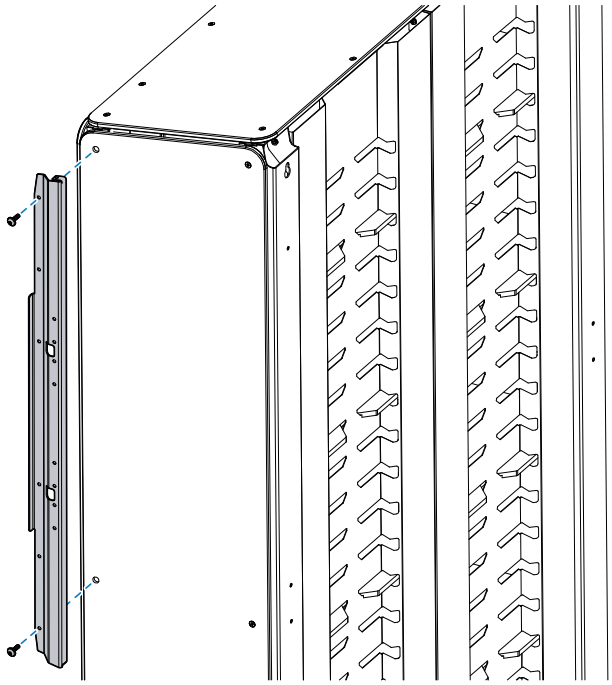
7. On the outside of the cabinet, remove the M6 x 16 countersunk (Csk) screw from the front top of the side panel.



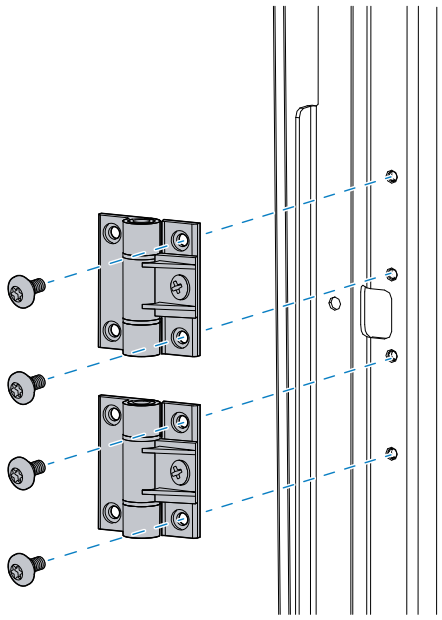
8. Align the rail with the fixing hole and loosely screw the rail into place with an M6 x 20 button head screw. With the rail loosely held, feed the DC cable down the rail and pull it through the chosen mounting access hole. The hole chosen will depend on how high the tablet will be mounted.



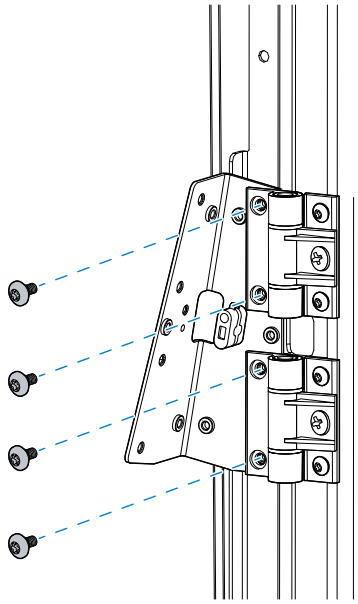
9. Identify which of the cabinet side panel fixings lines up with the second fixing hole in the rail. There are several holes in the rail but only one of them will accurately line up with the cabinet fixing. Remove the M6 x 16 Csk from the cabinet and secure the rail in place using an M6 x 20 button head screw. Be careful not to trap the DC cable when tightening the screw. After tightening the screw, the DC cable should move freely in the channel created between the rail and the cabinet.



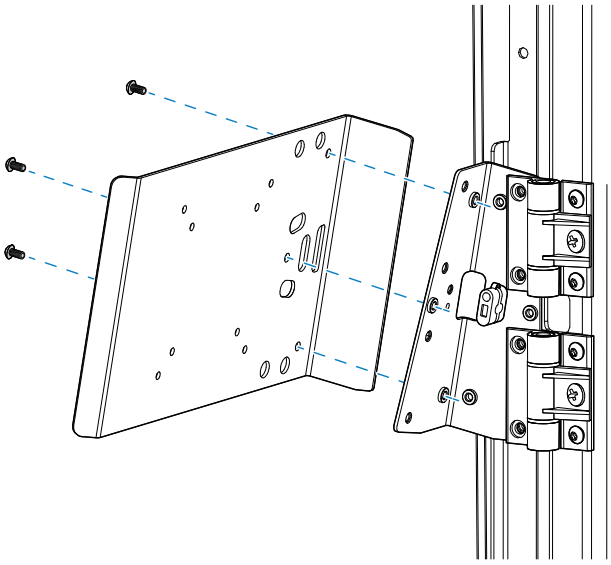
10. Attach the hinges on either side of where the cable emerges from the side mounting rail using M5 x 10 screws. Also make sure that the hinge force adjusting screw is located between the two screws, not on the hinge leaf that is currently free.



11. Attach the angle bracket to the hinges, making sure the narrow end of the angle bracket is uppermost.



12. Attach the VESA mount to the angled bracket using three M5 x 10 button head screws.

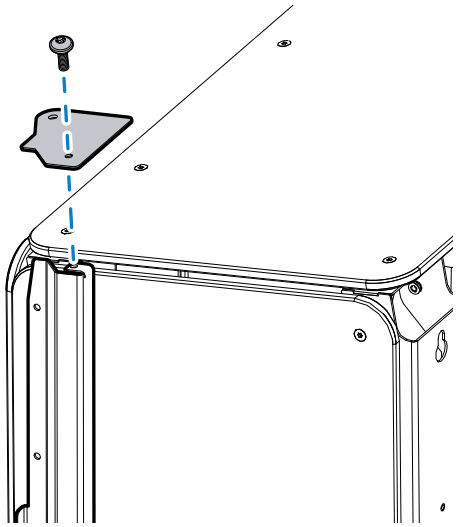


13. Feed the DC cable through the cable clamp leaving sufficient cable to attach to the power socket of the tablet. This length will vary depending on the tablet being installed.

14. If a tablet is available, plug the DC power cable into the socket and secure the tablet to the VESA bracket using the M4 x 8 flange head screws.

15. With the tablet attached, adjust the friction hinges to obtain the required amount of torque. Do this by tightening or loosening the screw in the middle of the hinge using the PZ2 bit.

16. With the tablet in place and the cable correctly routed, install the cable cover. To do this, remove the M6 x 16 Csk screw from the top of the cabinet and place the cable cover, noting the orientation of the cover; the large hole should go over the hole in the cabinet, and the smaller hole over the top of the rail. Attach the cover to the cabinet using an M6 x 20 and to the rail using an M5 x 10; both are button head Torx screws.



17. Replace any shelves, charging cradles and devices previously removed. Also, replace the door retaining blocks if these were removed. Ensure that no cables have been trapped during installation and that all the screws are correctly tightened.

This completes the installation. You should be left with the screws removed from the cabinet, these can be held as spare parts, or retained should the rail ever need to be removed.