



Rack Box Assembly Instructions

Tools Needed

3mm Allen Key, 4mm Allen Key, Phillips screw driver, and 8mm wrench

Unpack Components



Top Frame



Bottom Frame

Determine the Top and Bottom Frame

The top Section has 2 x 6 - M6 tapped holes (red outlined)

The back of the top and bottom frames are indicated by the cable hole cover plate.

Mount Rack Brackets to Bottom Frame



Set aside four rack brackets (2x Left Hand side + 2x Right Hand side) and 8x M5 shoulder screw.

These will be mounted on the bottom frame using the mounting holes outlined in red.



Mount Rack Brackets to the bottom frame, as shown in photo below



The Rack Brackets are directional. Select LH or RH bracket, so that flat side is facing outward and the 3x M5 PEM nuts holes are facing towards front or back.



The shoulder screws can only go in from one direction (from the underside of the bottom frame)

Mount Rack Brackets to Top Frame

Repeat the same process for the top frame, as you did for the bottom frame.

The shoulder screws also only go in from one direction, this time from the top side.



Rack Assembly

Begin by attaching the threaded rack rails to the rack brackets on the bottom frame.

The 10-32 threaded rack rails are mounted on the exterior of the rack brackets with the shorter edge facing towards the front/back, respectively. Thread two M5 socket button head screws into the bottom two pem nut holes on the rack brackets. **Do not fully tighten the M5 screws.**

Mount all four threaded rack rails to the bottom frame.



Take the top frame and place it ovetop of the threaded rack rails you installed to the bottom frame. Ensure the threaded rack rails are on the exterior of each rack bracket.

Thread in two M5 socket button head screws into the top two PEM nut holes on rack brackets.

Do not fully tighten M5 screws.

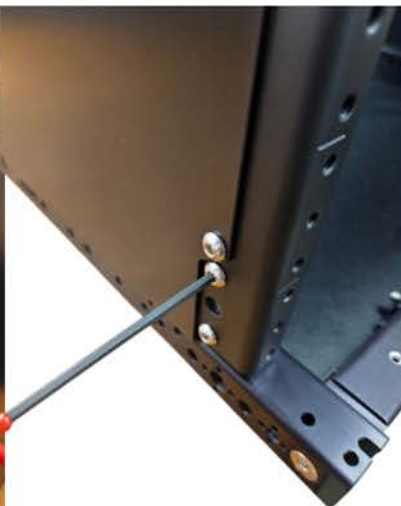


Attaching the Side Panels

Take each side panel and attach it to the frame with M5 button head screws using the remaining hole on each of the four rack brackets.

Once the side panels are mounted, tighten all the M5 button head screws that we used to mount the threaded rack rails to the rack brackets.

Your base rack box is now complete.



Rack Box Locating Screws

For users that have purchased the Cover Panel add-on and are wanting to use it as a front cover, please skip this step and proceed to page 7 to begin cover panel assembly.

For locating a rackbox into another rackbox, use the rackbox locating screw kit. On the top frame of the rackbox, at the front right corner, insert the locating shoulder screw through the top side of the tube, at the indicated hole. On the bottom side of the tube, first place the spacer and then the M5 hex nut. Tighten with an 8mm wrench.

Repeat and mount the other locating shoulder screw into the front left side.



Top and Bottom Shelf Removal

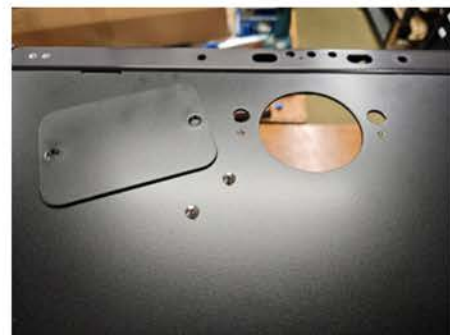
To remove the top or bottom sheet metal from the tubing frame, remove the four M5 shoulder screws. Two are located on the front tube, and two on the back tube, as indicated on the picture below (red circles).



The top and bottom shelves, as well as the two side panels can be all removed for full access for wiring up your rack box.

Cable Hole

The top and bottom frame sections each have a cable hole that is covered by a cover plate. Remove if preferred to have cable through hole in the top and/or bottom of your rack box.



Rack Box Cover Panel Assembly

This section is for Rack Box users that purchased the cover panel add-on

Set aside all components for the Rack Box Cover Panel. There should be two 10/50 extrusion rails, and five ziplocs of fasteners and components.

Determine which side of the Rack Box that you will install the cover panel on, either the front or back (or both if you purchased two panel kits).



Mounting the 10/50 extrusion rails with the provided screws is the first step. The flat surface of the 10/50 rails needs to be facing towards the outside of the rack box.

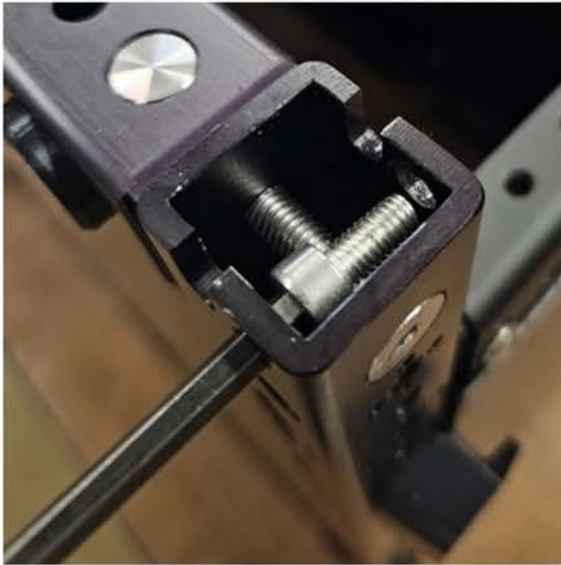
Starting at the top you will mount the 10/50 rails using the shoulder screw in the hole circled in red. These holes can be found on both the front and back of the rackbox. Do not fully tighten this screw until the other two screws are tightened.



*If the cover panel is being installed on the front, and the rack box locating screw system is preferred, you can make use of the rack box locating shoulder screw (from the rack box locating screw kit) to attach the 10/50 rail instead.



From the bottom side of the rackbox, use a 4mm allen key to slide through the front hole to dock the M5 SHCS and thread into the 10/50 rail.



To mount the third and final screw, from the top side use the 4mm allen key again to slide through the front hole to dock the M5 SHCS and thread into the 10/50 rail.

Repeat this process on the other side of the rack box for the second 10/50 rail.



Glide Pads

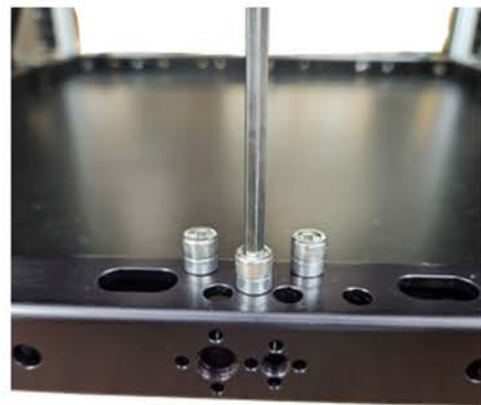
Next, take the Glide Pad ziploc, and mount the Glide Pads with a 3mm allen key to the indicated threaded holes on the topside of the bottom cross tube.

Once the cover panel is installed it will rest on these pads.



Cover Panel Backing Screws

With the Cover Panel Backing screw kit, tighten three M5 SHCS with a spacer underneath each, using the threaded holes (circled below) on the topside of the bottom cross tube.



Fasten the three remaining M5 SHCS into the threaded holes found on the underside of the top cross tube.



Cover Panel Side Brackets

This system is for parking the cover panels on either side of the rackbox for storage when they are not use.



The following instructions will walk through the mounting of the Cover Panel Side Keepers, Locators and Cover Panel Glide Pins.



For the purpose of this assembly, the pictures shown are of the 10/50 rails on the back of a Rack Box for when the cover panel is being used only at the back. The side cover panel system is meant to be directional, working from the front of the rack box, so keep this in mind when attaching these components.

Mount the Cover Panel Glide Pins as indicated by the red circles in the picture above. The glide pins are designed to be installed in specific directions. One side has a flat cutout at the base to clear the rack box side panel (see the dotted line on first image below)

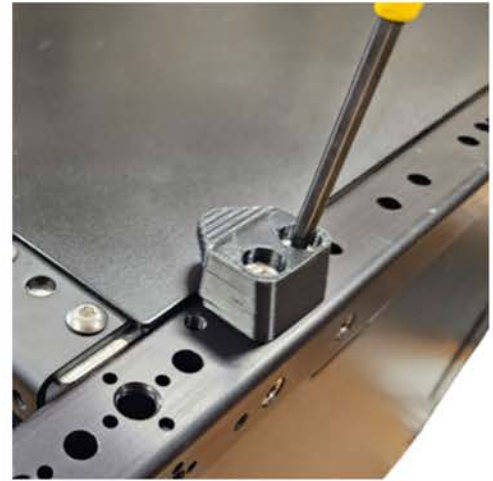
Use a wrench or fingers to hold onto the top flat surfaces to position the base cutout towards the side panel. The top glide pin should be facing downwards, and lower glide pin should face upwards.



Next, mount the two cover panel side keepers into the positions indicated by the orange circles.



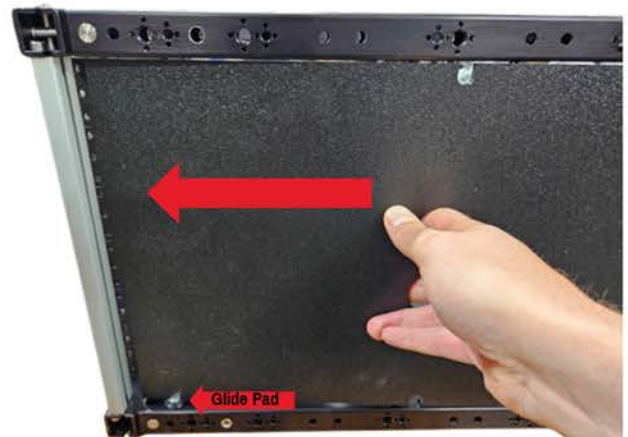
These are also directional, and need to be mounted with the triangle shape facing inwards towards the side panel. The top side keeper facing should face downwards, and lower keeper should face upwards.



Mount the single Cover Panel Locator into the position, indicated by the green circle. Ensure triangle end is facing inwards.

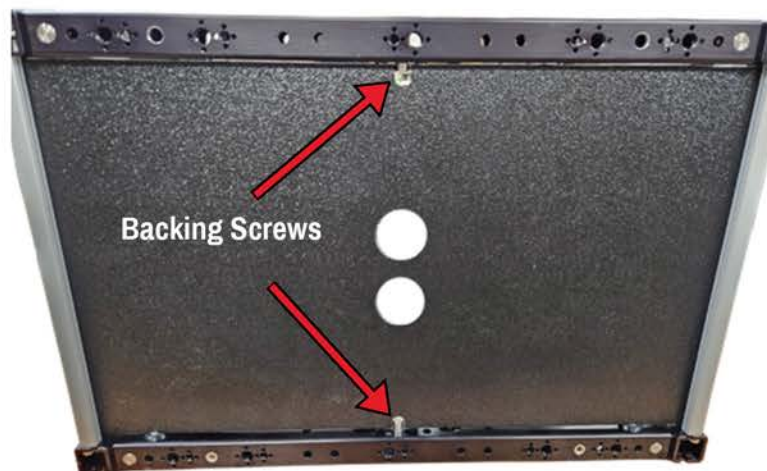
How to use Cover Panel system

Use the two central holes to guide the cover panel into one side of the 10/50 rails. You need to clear the glide pad on the bottom cross tube.



Next, push in the other side of the cover panel, again making sure it's above the bottom glide pad. Minimal force should bend the ABS cover panel into the 10/50 rail slots on both sides, aligning the middle cut outs with the middle backing screws.

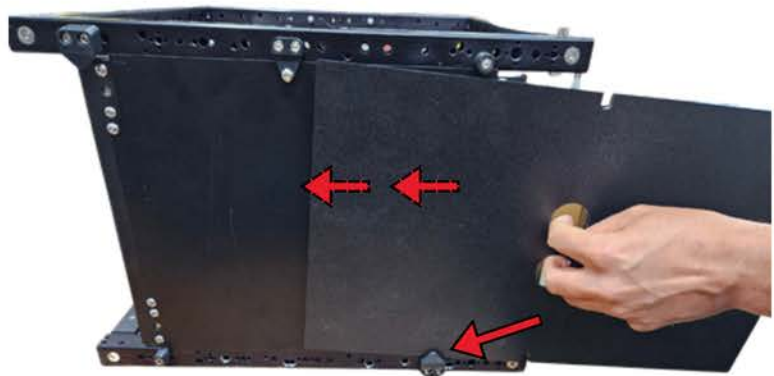
The cover panel backing screws on the top/bottom cross tubes will ensure the cover panel can't be forced inwards.



To remove the cover panel, simply pull on the two central holes with minimal force to release from the 10/50 rail slots.



To park the cover panel, use the bottom cover panel keeper to begin sliding the panel towards the back.



Once you reach, the cover panel locator (located in the middle of the top tube), guide the cover panel over the screw.



Continue to slide the cover panel towards the back, pushing the top corner under the back cover panel keeper to guide the cover panel into it's final position.



To remove, use the finger holes to pull out and over the middle cover panel locator.

