

U2-UFO - hyper modular revision



PRELUDE:

Twelve previous evolutions have occurred to the Mountain Mods U2-UFO. Number 13 takes the already modular cube computer case into an overdrive of options. The new patent pending functions have been named “Hyper Modular”. For nearly 3 years the right, left, and top panels have been modular, allowing for swapping or rotations of the panels to give the user a further customized cube. The “Hyper Modular” evolution now includes these features to the front and back plane of the case. You can rotate your front panel 180 degrees. The back panel can rotate 90,180, or 270 degrees for different configurations. You can also mix and match your desired front panel with the desired back panel. Or purchase different front and/or back panels in the future to change your cube configuration without needing to purchase an entire case. The “Hyper Modular” design is truly a revolution in computer case design.

PARTS INCLUDED:

In the image to the left you can see all the parts of the new “Hyper Modular” U2-UFO cases.

Window panels, front panels, back panels, 5.25 drive bays, and motherboard trays may appear different – depending upon your chosen configuration. For illustration purposes we are using a Standard U2-UFO front and back panel w/3 UV blue acrylic panels.

You should receive the following (2 boxes packaged in one outer box):

Box 1

- Front Panel
- Back Panel
- Bottom Panel
- 2 x Struts
- 3 x Side Panels
- Acrylic PSU cover plate (2 w/duality back panel)



Box 2

- ____ Motherboard Tray (2 w/duality back panel)
- ____ 5.25 drive bay(s) (2 w/Opti-1203, Duality and Horizon front panel)
- ____ Horizon Brace for Horizons only
- ____ bag of accessories - Include: (Items shown in image to left)
 - ____ caster pack (4 casters)
 - ____ caster nut/bolt pack (16 nuts/16 bolts)
 - ____ motherboard standoff/screw pack (10 standoff/10 3mm)
 - ____ 6 x pci cover plates
 - ____ tapered screw pack (16 - for assembly)
 - ____ thumbscrew pack (50)
 - ____ 6-32 screw pack (10)
 - ____ 2 x power switch/reset switch w/leads
 - ____ 2 x indicator leds/w bezel
 - ____ 2 sets of 120mm FAN HD brackets

BASIC ASSEMBLY:

The bottom panel is universal to all Mountain Mods U2-UFO and ASCENSION cases. The bottom side of the bottom panel has 7 threaded inserts pressed into. The outer 4 inserts are used for attaching the “Horizon brace” to the floor of the case in Horizontal builds. The 3 inner inserts are used for the security flange on our motherboard trays. The security flange allows for the motherboard tray to be stabilized to the floor of the case. The center hole is used for Opti-1203 and Standard U2-UFO builds. The 2 outer inserts are used for Duality back panel builds. **NOTE** - These 3 security holes should be oriented so that they are closer to the front panel. It is possible to install the bottom panel backwards, which will render the 3 security holes useless.

Slide the bottom panel into place over the bottom flange of the back panel. The corners should appear as they do in the image to the right. Once into place take your bag of 16 tapered screws and fasten the corners of the bottom panel and back



panel together with 4 of the tapered screws using a Phillips head screwdriver.



Horizon builds use the same back panel as the Standard and Opti-1203 U2-UFO. Simply Rotate the panel 90 degrees and fasten as above. (Image to the left shows 90 degree panel rotation.)

Tapered screws fit into the tapered screw holes. They are angled as are the screws so that the screws do not protrude from the flange of the case. (Image to the right shows tapered screws fastened in place)



Use two 6-32 PC screws to tighten the back panel just left and right of center to the bottom panel. (image to left illustrates this)

Take your front panel. Orient it how you choose. The front panel can be installed either at 0, 90, 180 or 270 degrees. We recommend only 0 or 180 degree rotations as 90 or 270 will cause the 5.25 bays to be mounted in a sideways orientation. Use the same number of tapered screws and 6-32 screws to fasten the front panel to the bottom panel. The screw assembly mirrors what you did on the back panel. When finished your frame should appear as it does on the right.





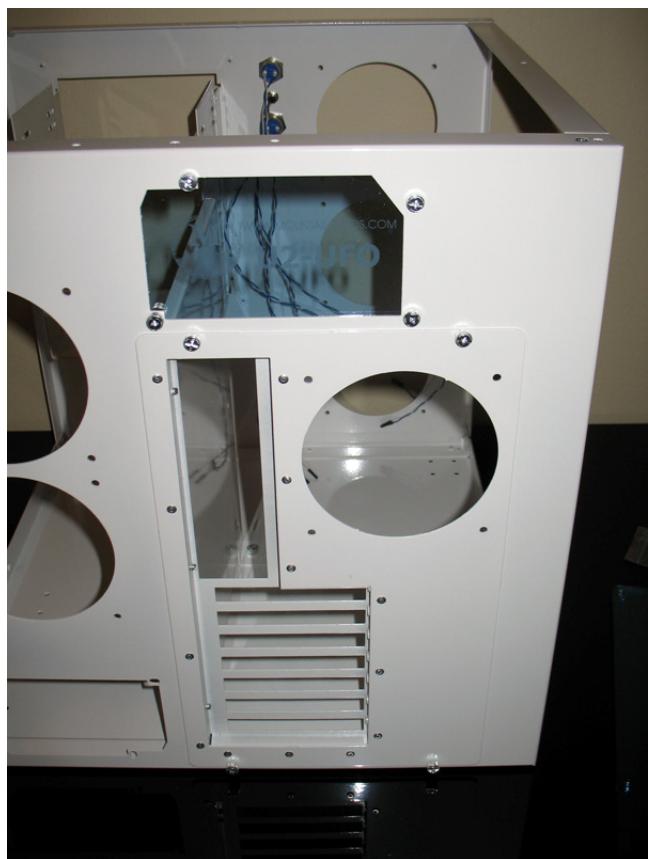
Now take a strut and slide the clearance holes of the strut over the threaded inserts on the front and back panels. Take 4 more tapered screws and fasten them into place. Do the same thing with the other strut on the other side of your cube. Tighten all screws as snuggly as possible without stripping the heads. The end result is a very rigid main frame of the chassis. (image shown on left.)

Now find your 2 nickel plated power switches and chrome bezeled LEDS. Normal installation is as such from top hole to bottom – Button with wire lead labeled POWER, LED, Button with wire lead labeled RESET, LED. The switches are interchangeable as they are both merely momentary switches. With Duality builds you can use the RESET labeled switch as the second systems POWER without issues. On the LEDS install the blue wire to the positive post on the MB header and the white to the negative.

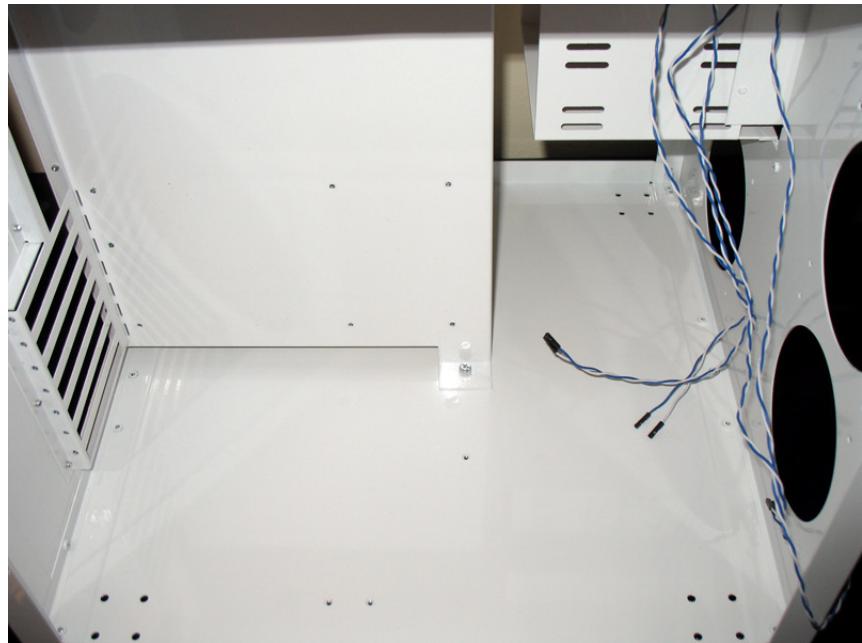
At this point we recommend you build your system, as further installation of parts would mean disassembly. Install all 5.25 devices into the bay before insertion. You will also it easiest to install the MB to the tray while it is outside the case – then slide the entire tray with MB into the backside of the unit and secure. The image to the left shows how the 5.25 bays are secured via thumbscrews into threaded inserts on the inside of the chassis.



The image to the left here indicates the secondary PSU acrylic plate installed via thumbscrews and the motherboard tray installed and secured via 4 thumbscrews to the back wall of the chassis.



To the right you can see the trays security flange fastened to the floor of the case with it's respective threaded insert and thumbscrew. This keeps the tray from shifting left or right after system installation. In the corners you can see sets of 4 holes in the bottom panel. These are mounting holes for either the included casters or Mountain Mods acrylic feet. We recommend installation of feet/casters prior to installation of system components.



To the right the image shows panels installed to the sides of the case. Panels install via 8 thumbscrews into their respective threaded inserts. Panels can rotate 90, 180, or 270 degrees and are interchangeable.

Happy building! And welcome to the new world of “Hyper Modularity”



Mountain Mods