

# ModuShop

## 4U Deluxe Case Build Guide

This guide details the assembly of ModuShop's 4U Deluxe chassis with optional handles and LED holes.



### Table of Contents

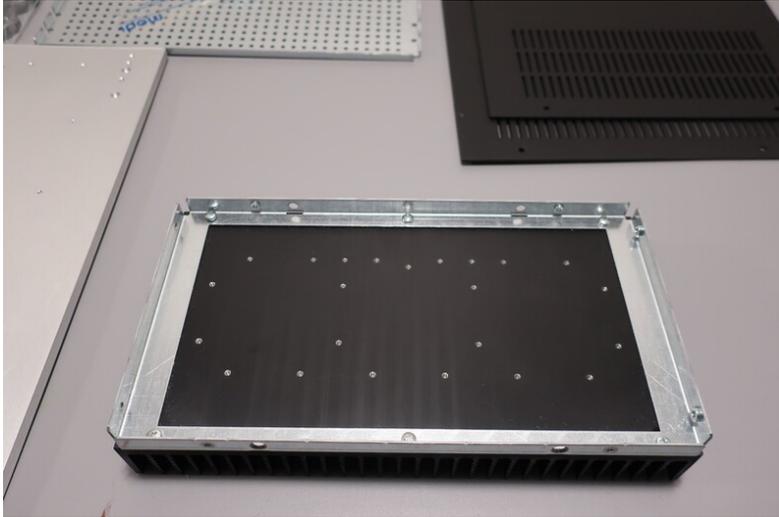
- Step 1 - Heatsink Frames..... 2
- Step 2 - Back Panel..... 3
- Step 3 - Bottom Panel..... 4
- Step 4 - Front Panel..... 5
- Step 5 - Tighten Frames and Back Panel..... 6
- Step 6 - Tighten Bottom Panel..... 7
- Step 7 - Fit Top Panel..... 8
- Step 8 - Drill LED Holes..... 8
- Step 9 - Install Handles..... 8
- Step 10 - Install Feet..... 8
- Build Tips..... 9

Version1.01 - Sep 2024  
roboDNA  
[lou@robodna.com](mailto:lou@robodna.com)

# Step 1 - Heatsink Frames

- A. Attach each frame to a heatsink using 6 silver screws.
- B. Leave the screws tight enough to hold the frame flush to the heatsink, but loose enough to allow the frame to move

( Fig 1.1 )



( Fig 1.2 )



## Step 2 - Back Panel

- A. Stand the 2 heat sinks vertically on your workbench.
- B. Leaving the heatsinks vertical, place the back panel on top of the ends of the heatsinks.
- C. Using black screws and nuts, attach the panel to the heat sinks, leaving the screws slightly loose. ( Fig 2.1 )

( Fig 2.1 )



## Step 3 - Bottom Panel

- A. Lay the case horizontally flat.
- B. Line up the 4 panel holes with the holes on each heatsink frame. ( *Fig 3.1* )
- C. Attach the bottom panel using small black hex screws, leaving them slightly loose. ( *Fig 3.2* )

*Fig 3.1*



*Fig 3.2*



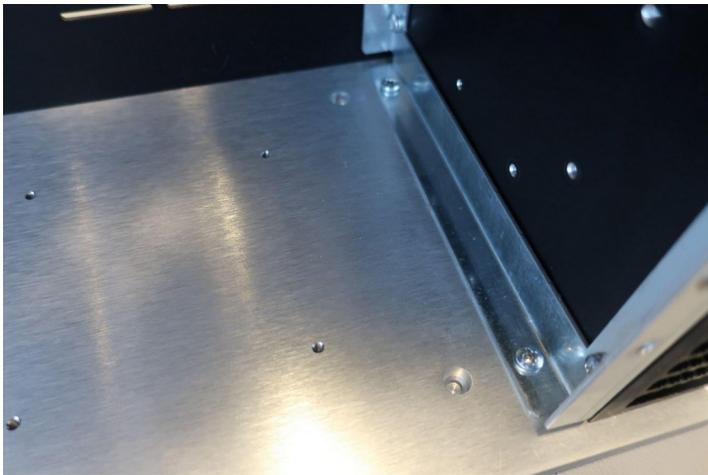
## Step 4 - Front Panel

- A. Lay the main front aluminum/iron panel face down and lift the heatsinks and back panel onto it. ( *Fig 4.1* )
- B. Line up the heatsink frame screw holes to the front panel screw holes.
- C. Using 2 silver screws per side, attach the heatsink frame to the front panel. Tighten the screws. Do not overtighten. ( *Fig 4.2* )

( *Fig 4.1* )



( *Fig 4.2* )



## Step 5 - Tighten Frames and Back Panel

- A. Flip the case over so that it lays flat horizontally. Ensure it lays flush with the workbench ( *Fig 5.1* )
- B. Slide the front panel over the edge of the workbench ( *Fig 5.2* )
- C. Tighten all 6 screws for each heatsink frame. ( *Fig 5.3* )
- D. Tighten all 4 screws and nuts for the back panel. ( *Fig 5.4* )

*Fig 5.1*



*Fig 5.2*



*Fig 5.3*



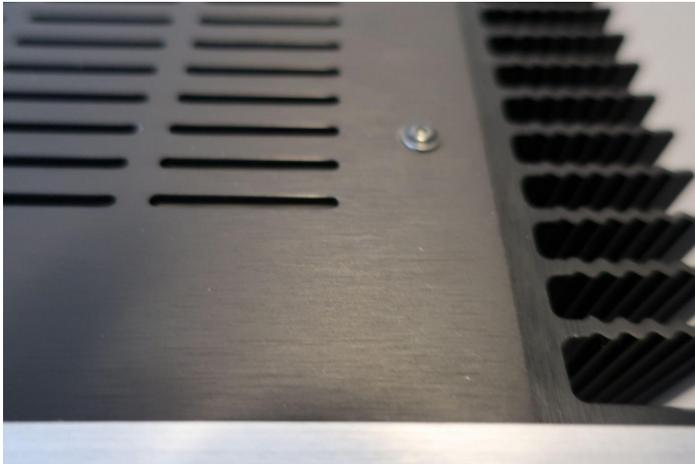
Fig 5.4



## Step 6 - Tighten Bottom Panel

- A. Flip the case over with the bottom panel facing up. ( Fig 6.1 )
- B. Tighten all 4 hex screws.

Fig 6.1



## Step 7 - Fit Top Panel

- A. Flip the case over so that it lays flat horizontally, with the top panel side facing up. ( *Fig 7.1* )
- B. Ensure all holes on the top panel align with the holes in the heatsink frames. Leave screws off until the PSU and boards have been mounted inside the case.

*Fig 7.1*



## Step 8 - Drill LED Holes

TBD

## Step 9 - Install Handles

TBD

## Step 10 - Install Feet

TBD

## Build Tips

- Use a soft cloth between the work bench and the heat sinks and front face plate during assembly.