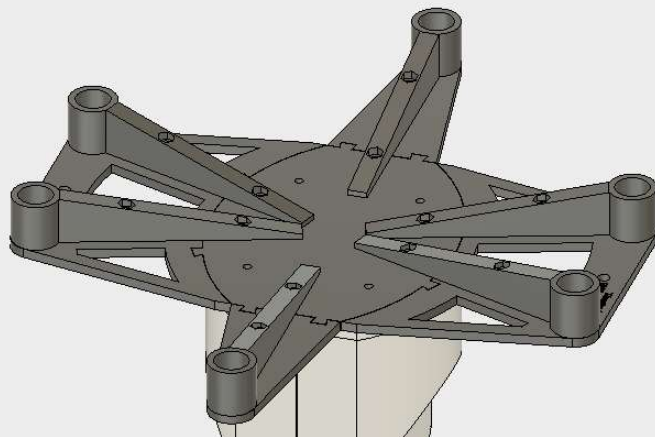
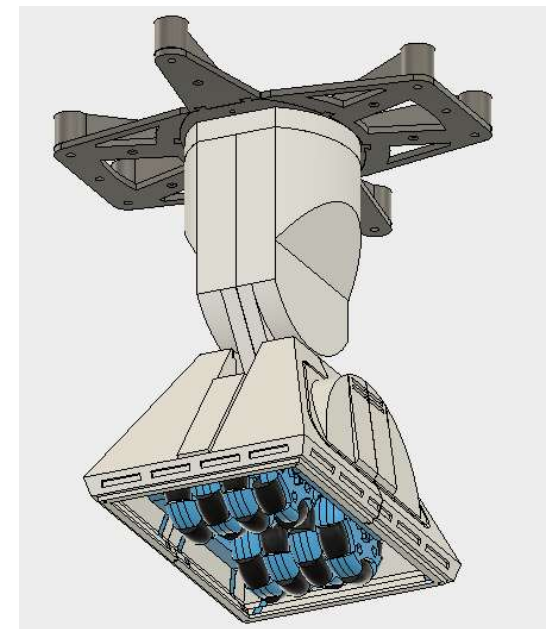
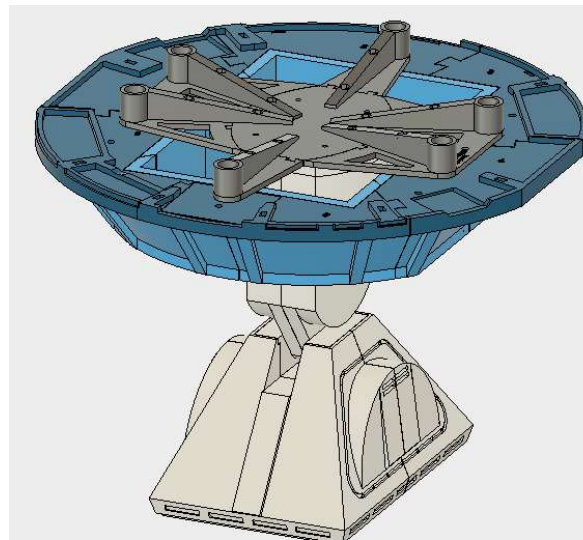
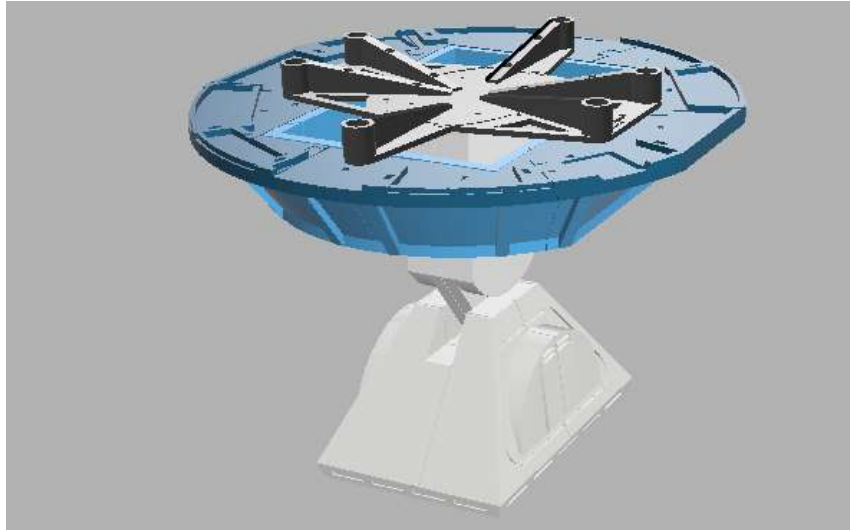


MrBaddeley
R2D2 version 2 Skirt and Centre
Leg instructions
Version 0.1 (Draft)

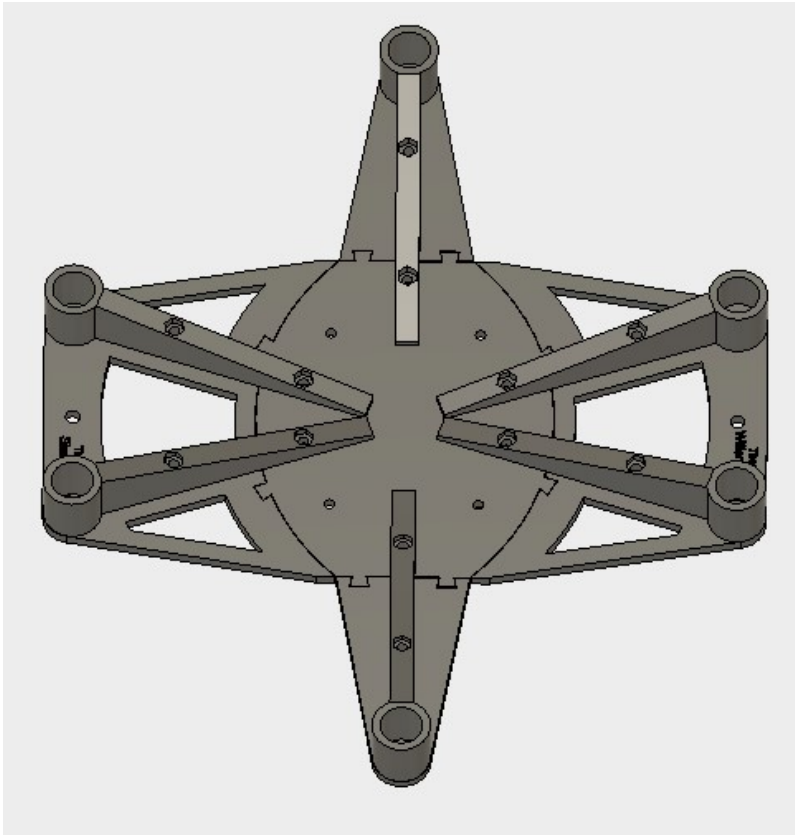
<https://www.patreon.com/user?u=4294285>
for other parts and instructions

Features...



Modular Centre Leg Frame
Bolts together
Can be disassembled for upgrade / replacement

MrBaddeley Centre Leg Frame



Firstly the basics & Assembly of the Centre Leg Frame, all parts are printed in ABS, I used 3 outer layers on 35% infill for the most parts.

It's a fairly easy print, there's 6 splines which add strength and the parts are literally printed A.B.C.D and the centre.

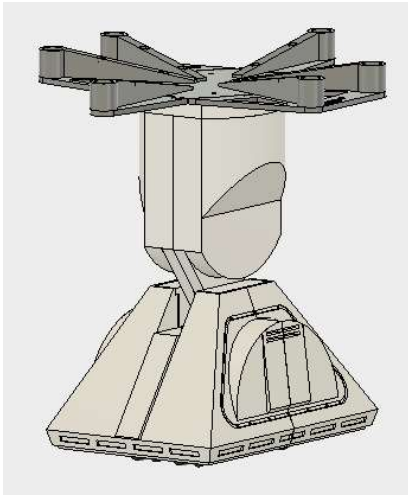
Assembly is firstly attached A,B,C and D to the Centre part (I used ABS and Acetone to glue together). This gives a plate as shown.

It will seem rather flimsy, don't worry. The Splines add some strength and then when it's fitted to the frame it's solid.

Next, glue in the splines. You can use the holes to align / hold together with M4 (4mm) Bolts and nuts. Use a combination of glue (acetone for ABS) and the Bolts to create a solid structure.

The outer holes are 6mm bolts, these effectively bolt through the main frame into the skirt (the skirt should have 6mm captive nuts fitted in them).

Once this is complete, you should have the core Centre Leg frame complete as shown.



The centre leg Ankle bolts onto the frame with 4 M4 (4mm) Bolts, again these screw into the captive nuts in the Ankle.

There's also an extender (Ankleextend) in the Ankle Print folder, this is for the longer version of the legs which will eventually support the 2-3-2 modules.

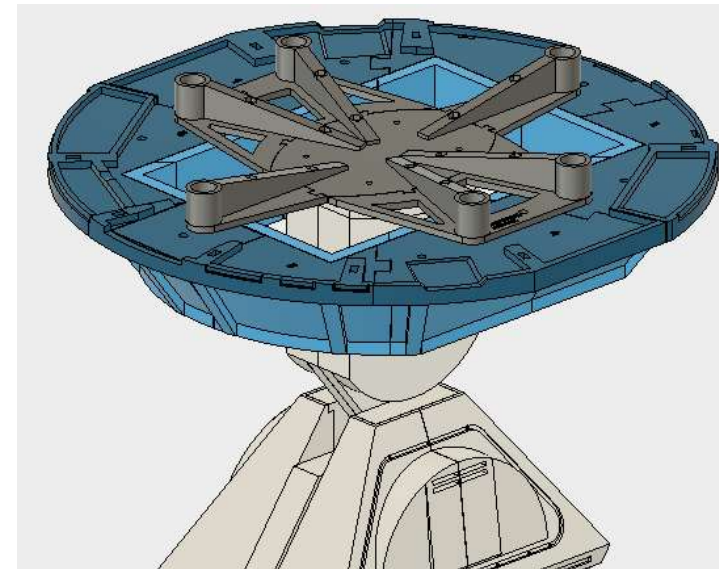
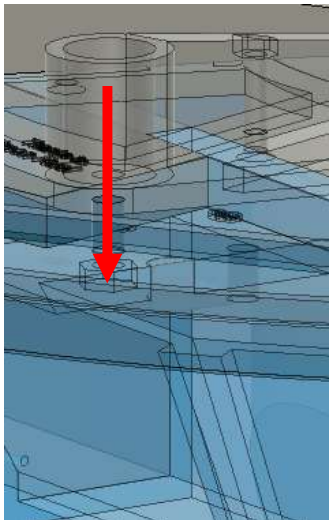
You can bolt the Ankle / Foot on first or afterward, it works either way.

Finally the frame fits inside the main body as shown. Note it uses M6 Bolts which go through the Ankle Frame, through the lower ring and bolt into the skirt. (Diagram to the right has only the lower ring showing but obviously the body is fully assembled.

The skirt isn't glued to the main body, the M6 bolts hold it on.

The Centre Leg Frame isn't glued onto the main body either, this is held with the same bolts .

That's it, the centre leg should be firmly fixed to the main body 😊





Supported and tested by Sean Lavigne, Jay Williams, Steven Elford, Robert Gusek, Rob Dinniwell, Joseph Masci, Sam D. Fenimore, LarryJ, tevans, Rick Davis, Brendan Faulkner, Nicolas Carré, Ben Langley, Mathieu Saint-marc, Chistopher Edwards, Mark Oram, Tim Parr, Jon Haag, John Gardener, Ryan Roehitch, Oiva Ranta, Wes Thierry, Robert Bean, Mitchell Young, Jake Danible, Simon Ruel, William Meyer, Brian Bishop, Danny Olsson, Rob Saey, Steve Nuitall, Gregory Welch, Ben W Bell, Tarak Sallini, James Van Dusen, Jospeh Powell. James Dyer, Joe Gravelle, Pierre-Alain Ney, Mauro Santini, Alistair Blake, Charles Wright, Anthony Jukes, John Springer, Richard Gregory, Brian, Dawn Kitsune, Colin Dick, and The Mighty Jabba's Collection!!

