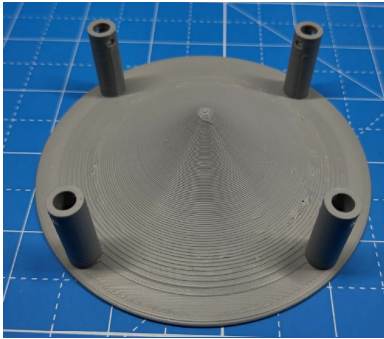


Satellite 1 Modular Enclosure

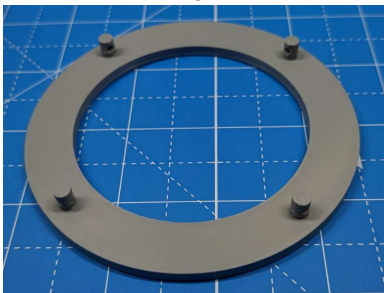
Here is a design for a modular enclosure with a universal speaker mount. This is based on the original design by FutureProofHomes <https://github.com/FutureProofHomes/Satellite1-Enclosures> and their great team.

It consists of 6 parts.

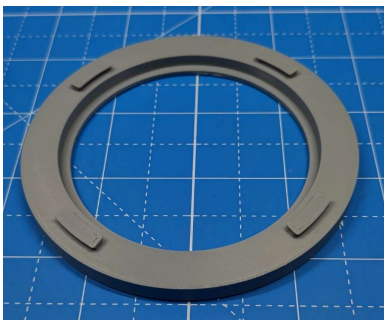
1. The Speaker Stand. This design uses filament as a locking mechanism



2. Stand Lock Ring with holes for filament locking



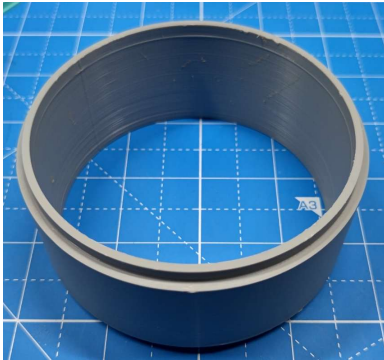
3. Chamber Base



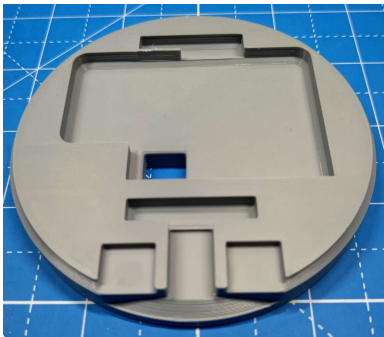
4. Chamber Mount Ring



5. Chamber Body. In can be mounted either way with the mount ring.



6. Chamber Top



Assembled enclosure. There is an additional file for capping the cutout for the speaker wire. Using two (one on each side of chamber top should seal off the Satellite 1 from the sound below.



Using the original UFO Cap on top.

Files

The file are located on GitHub at <https://github.com/CyberGWJ/Home-Assistant/tree/main/Satellite%201/Modular%20Chamber>.

There are STL and STEP files for all parts. The Chamber Body and Speaker Stand have Fusion 360 files. These are included because these STLs can be dynamically created. By modifying the “ChamberHeight” parameter the Chamber Body will adjust to the updated size. The Speaker Stand cone height can be modified by changing the “ConeHeight” parameter.