

Project Visaton ARIA

INSTRUCTION - HOW TO GLUE-ASSEMBLE small loudspeaker housings

1) Order pre-cut MDF boards according to specified dimensions (See Visaton Construction Drawing).

In this example the material for 3 Aria boxes, including cuts, has cost me approximately 20€ (big Finnish wood retail store).



Following tools I need for the glue assembly. Additionally some wet sponge or similar, to wipe off excessive glue.

If you want to make sure perfect end-result, you may consider preparing or buying rectangular guide shapes, to keep walls fixed at 90deg. Also you might use wooden, predrilled bolts instead of simple nails (extra effort).

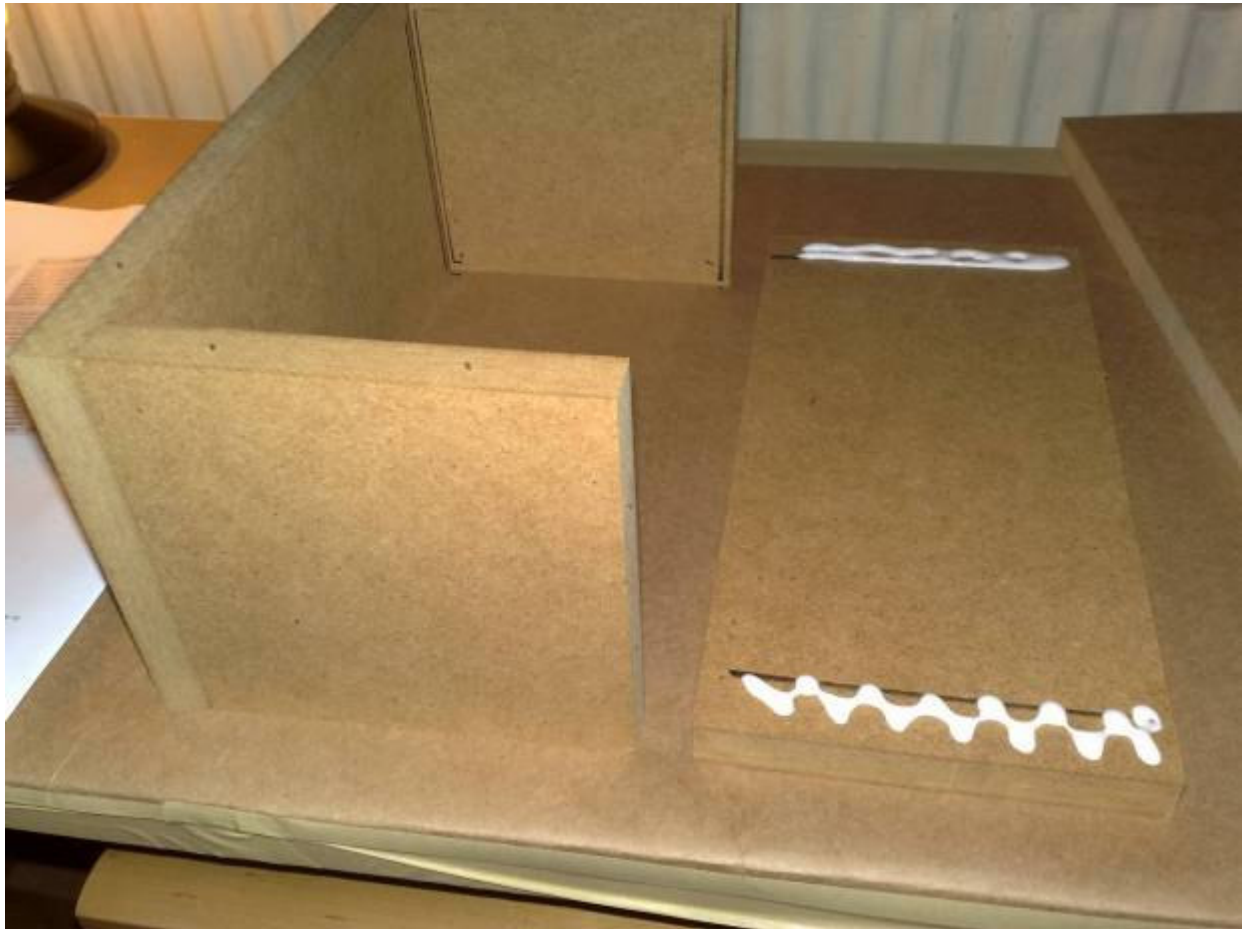


2) Hit nails into some of the joining sections...



... and cut of their ends with suitable tool. The idea is to stop the walls from sliding when they are compressed with glue, later.

Spread the glue...



...and compress the outer walls equally. Pay attention that the alignment remains as it should when you increase pressure. The nails will help you now, they will sink into the counterpiece and keep it from sliding away.

To save time and to make sure 90deg angle, I already added the front wall and compressed all joints, then letting it cure alltogether for about 24h.



Before adding the last wall in same way, it is now time to remove the openings on front wall and backside, to allow good venting before final wall gluing.

Also this may be the last chance to figure out a good way how to fix the crossover PCB later on... ;)

For following steps, please see separate instructions:

**GRIND CIRCULAR RECESSES FOR SMALL
LOUDSPEAKER OPENINGS:**

http://www.upgrade-sound.com/downloads/Instruction_Circular_Grinding.pdf



CUT 45deg BAFFLESTEP CHAMFER:

http://www.upgrade-sound.com/downloads/Instruction_45deg_Chamfer.pdf



SURFACE FINISH and FINAL ASSEMBLY:

http://www.upgrade-sound.com/downloads/Instruction_Finish_and_assy.pdf



Enjoy! 😊