

## Case Design RKamp PCBs - 10cm Speakers

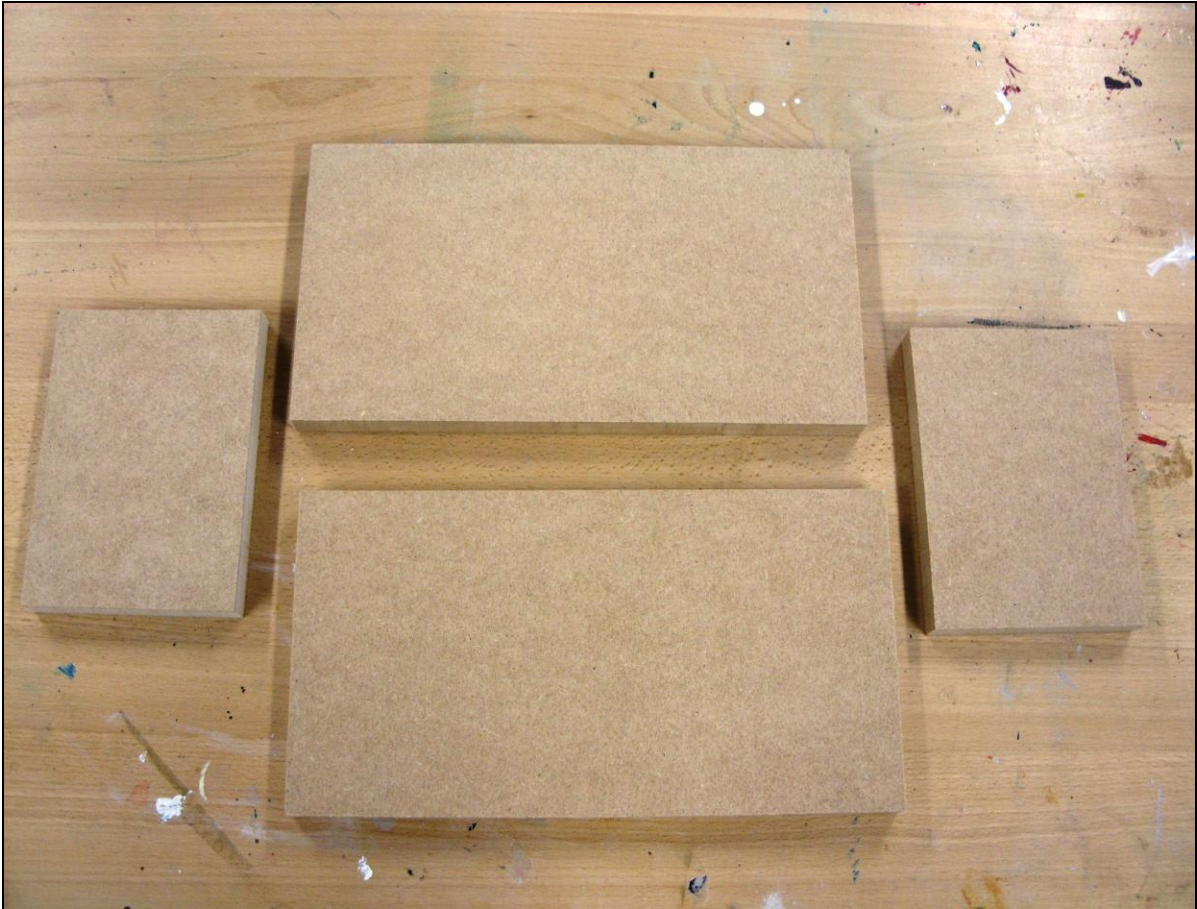
There are lots of different ways that you can construct a case for this project but a very simple and effective way is to make an MDF box with a laser cut front to house the speakers.

Below is an example,



This example is fantastic for the RKamp2, 3 and 4 project kits.

The case was constructed using the following MDF pieces,



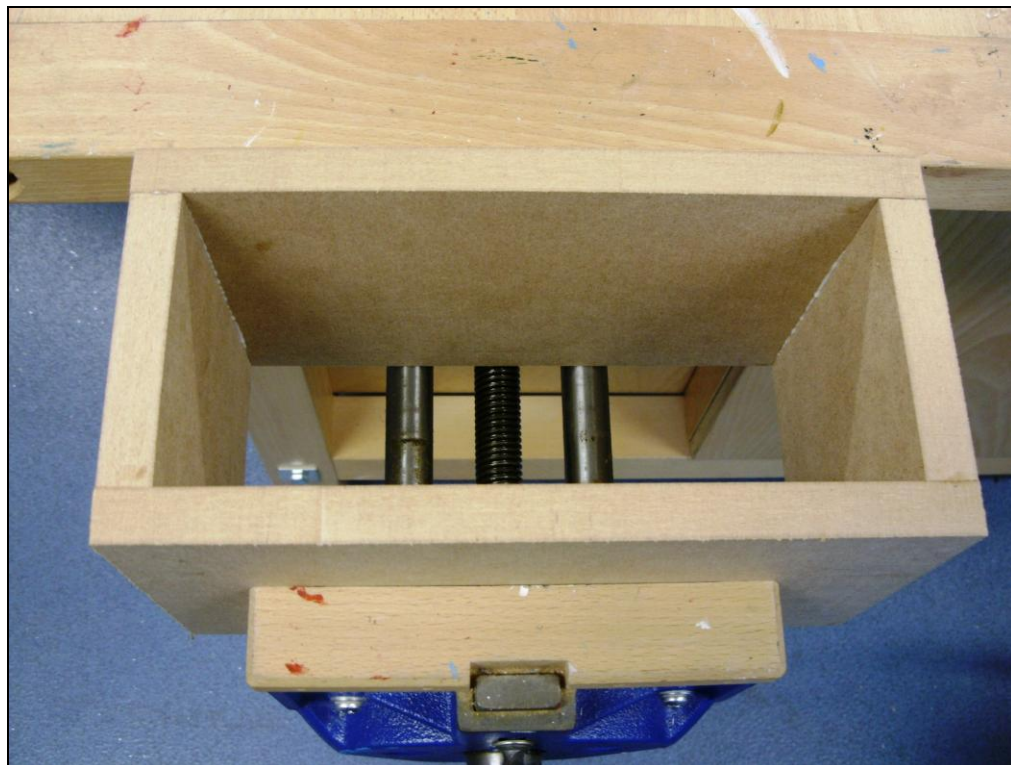
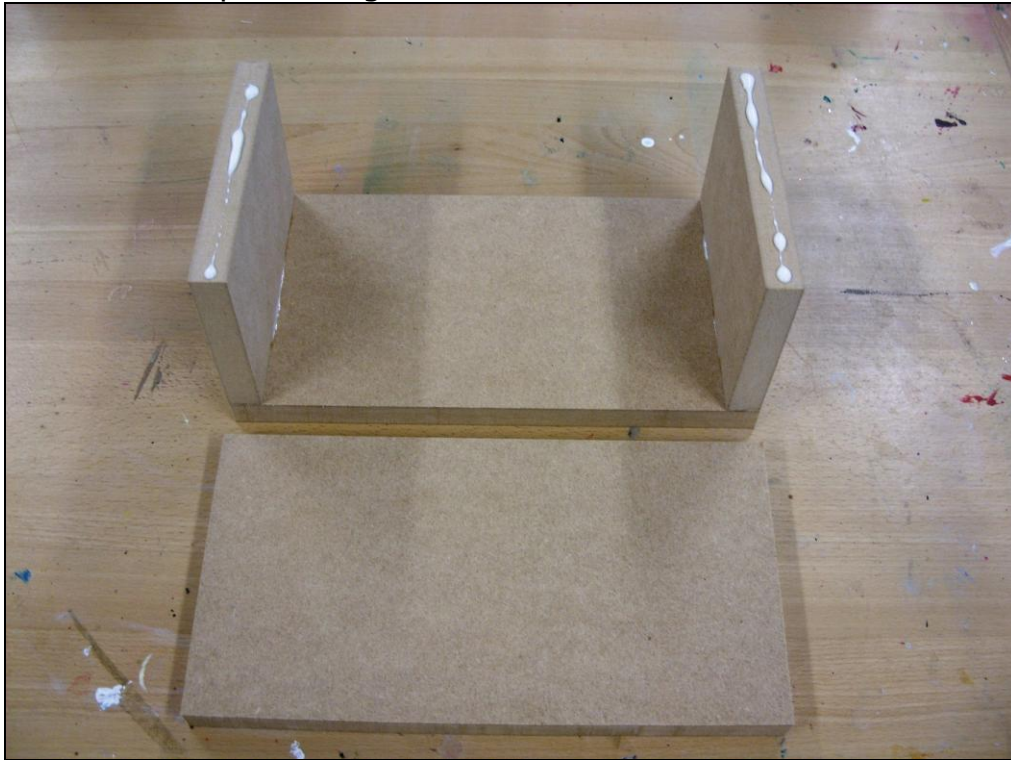
### Parts List

- 2 pieces of 12mm MDF
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- 1 laser cut acrylic speaker front (DXF file available)
- Wood screws to attached the speaker front to the case
- Nuts and bolts to attach the speakers to the acrylic speaker front
- Materials to decorate the case
- Stick on rubber feet
- RK Amp kit with power, cables, PCB feet etc
- Speakers\*

\*The speakers used are Visaton 10cm full range speakers available from Rapid.

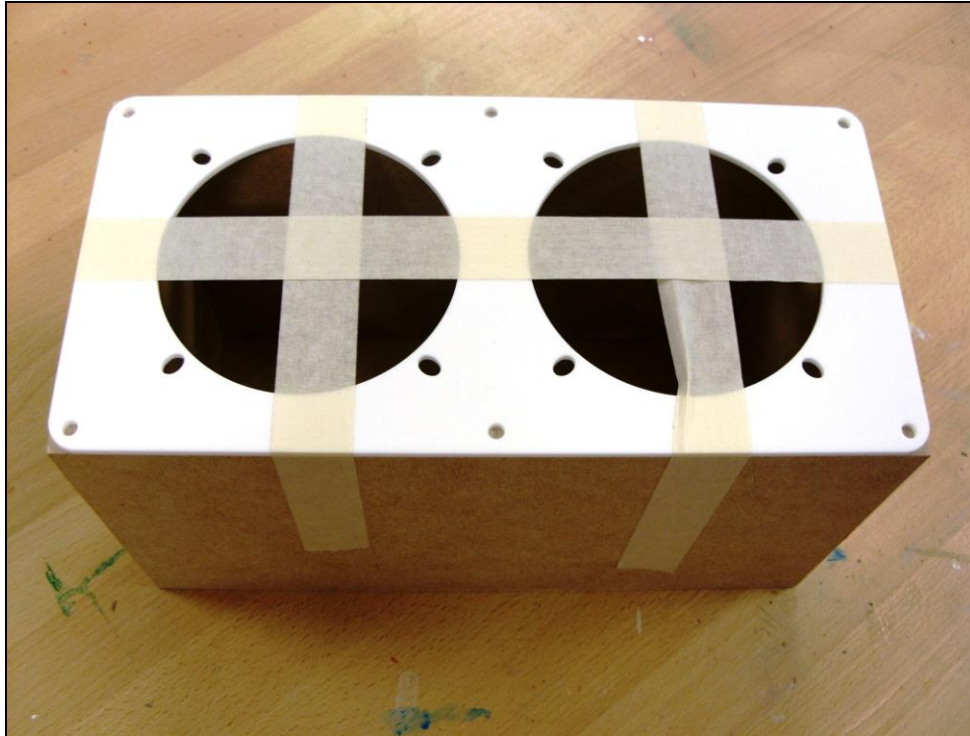
Method

1. Glue the MDF pieces together

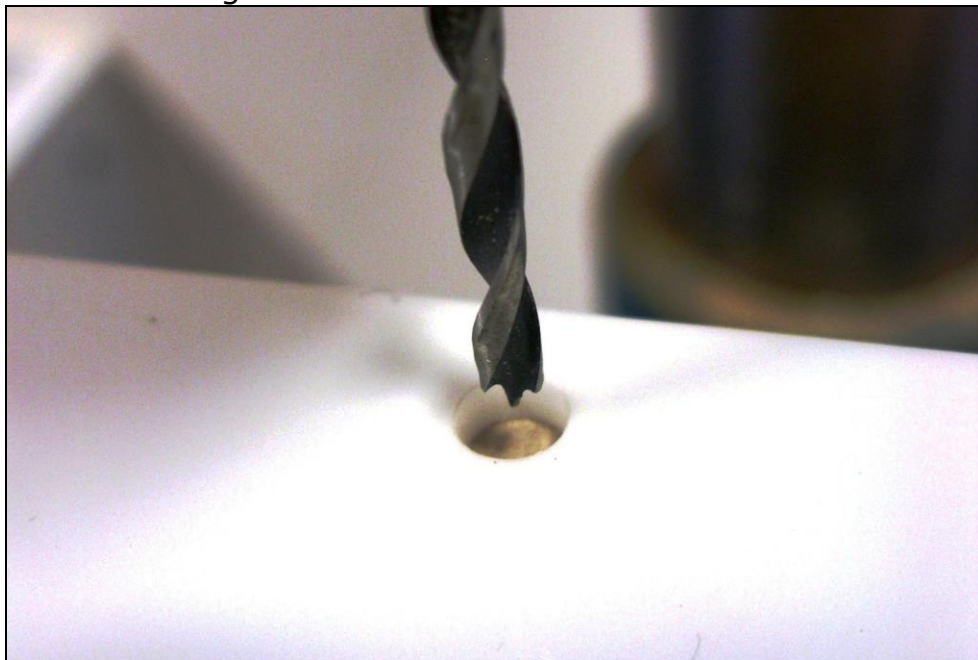


2. Drill pilot holes to allow the acrylic front to be held in place using fasteners

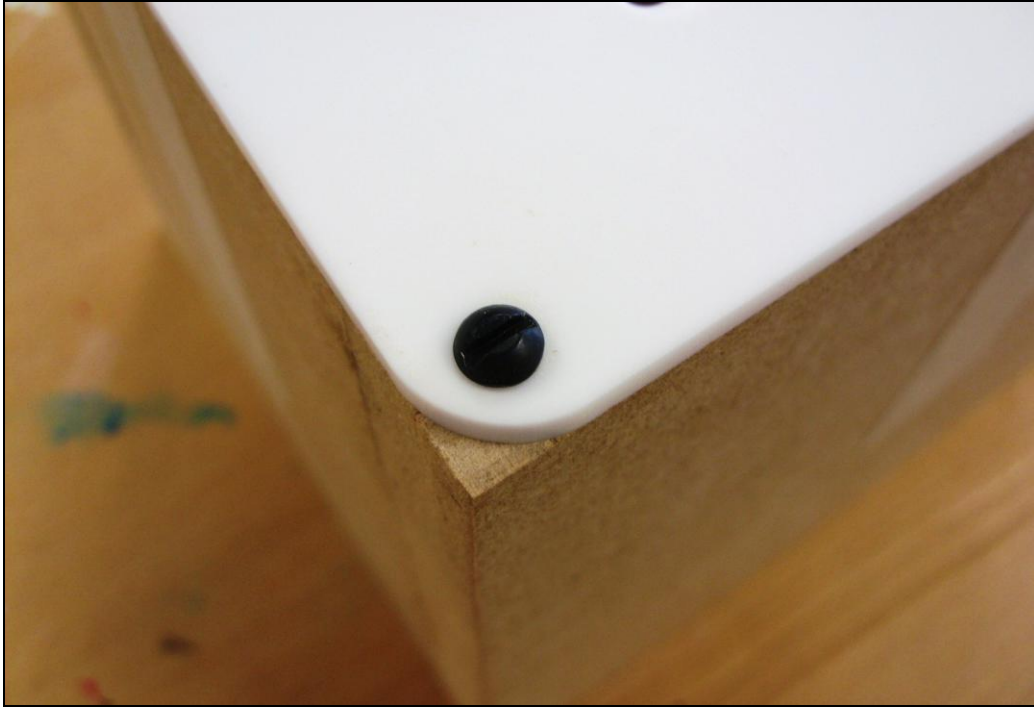
First the acrylic front has been held securely in position using masking tape.



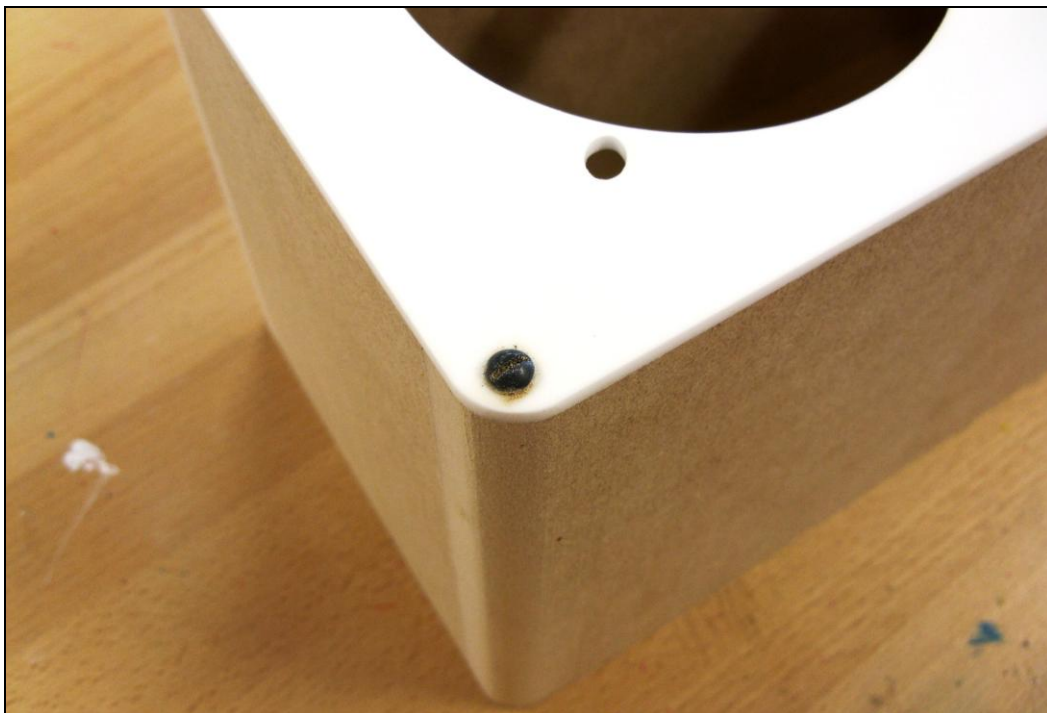
Drill the holes using a 3mm wood drill bit



3. Attach the acrylic front with wood screws, a vice was used to help prevent the MDF splitting.



4. Sand the case including the corners



5. Coat the case with PVA glue, allow to dry and sand to a smooth finish with a fine glasspaper



6. Decorate the case, this case has been spray painted



7. Attach the speaker cables and power supply to the RKamp PCB. This speaker does not have an acrylic back and I feel the sound quality is far better without a back, this is just a personal opinion and of course a back can be added.



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