

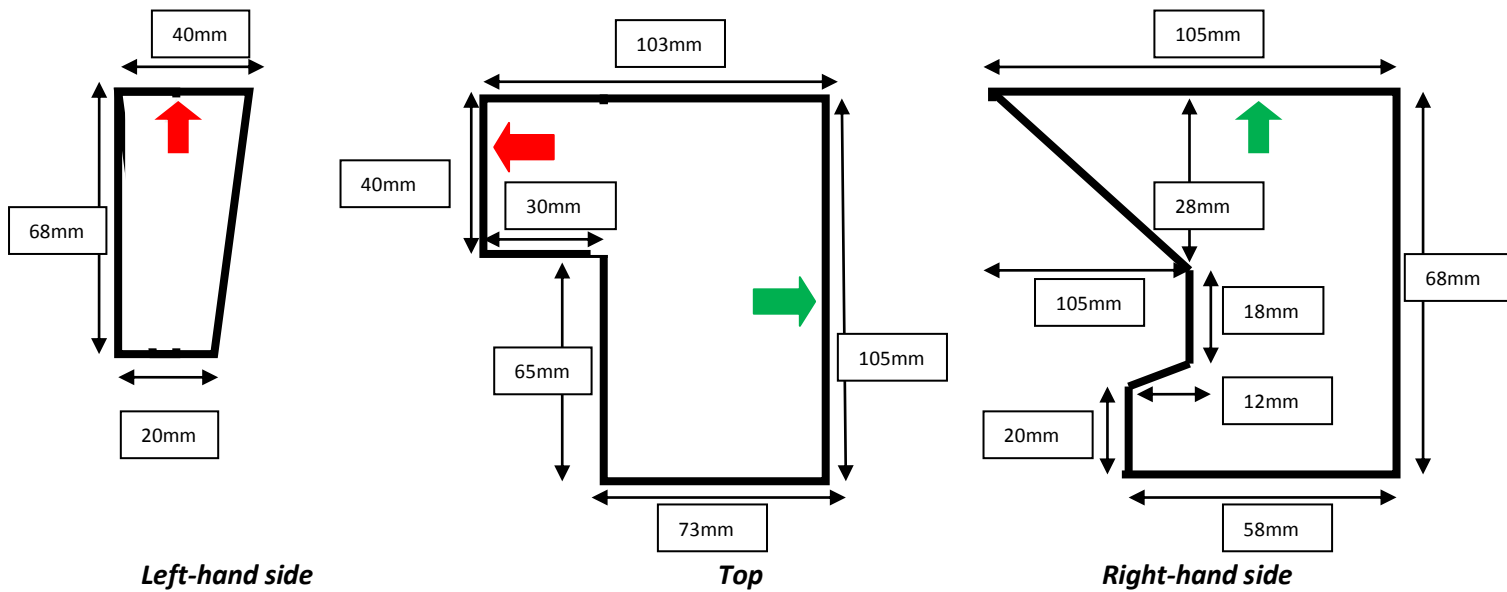
Constructing a lightweight Anabat PDA bracket

The bracket is made from foam board, which is sometimes sold under various trade names. This material is used to make exhibition display boards and is both light and strong, being made of two layers of laminated card, with a layer of foam between them.

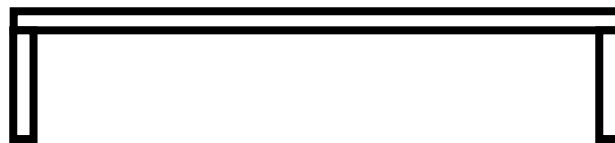
Materials:

- An A4 sheet of foam board
- 3x M3 size machine screws (no more than 10mm long)
- 3 M3 size washers
- Araldite or similar epoxy glue
- Paint (I used automotive spray paint)

Cut three pieces of foam board, the following sizes and shapes. The material is very easy to cut with a sharp craft knife or scalpel. A steel rule



The red and green arrows show where the three parts should be glued together. Glue them so that the side pieces but onto the underside of the top piece:



Use a sharp point to poke three holes in the two side pieces for the bolts. The holes should be 6mm from the bottom. On the left-hand side poke one hole equidistant between the two edges. On the right-hand side poke two holes, each 13mm from the edge. The bolts go through these to attach the bracket to the Anabat. Don't over-tighten them or the foam board will be squashed. The washers help spread the load over the foam board and stop the bolts from cutting into it.

Painting the bracket gives a more professional appearance and provides a degree of protection from the weather. However, it probably isn't essential. Use sticky-backed Velcro to stick the PDA to the bracket.