

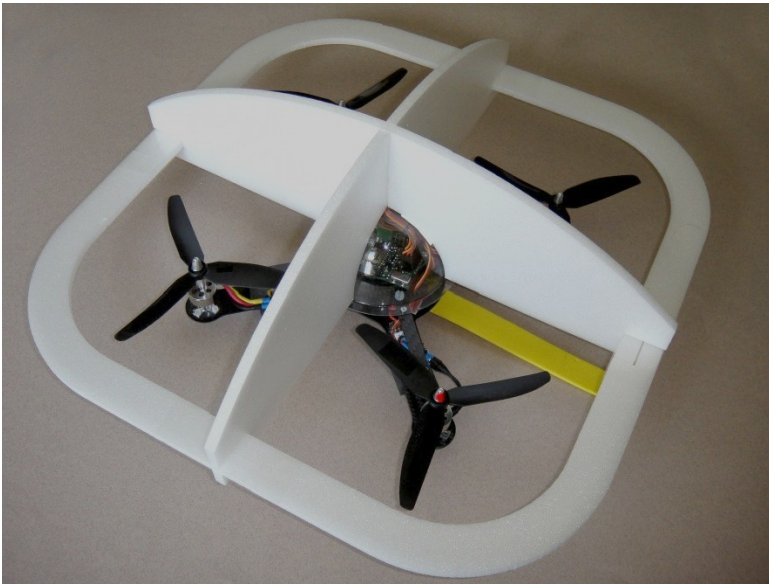


## QuadPod Foam Body



Thank you for purchasing the Foam Body for your QuadPod. The kit takes just a few minutes to assemble and fit, and will provide considerable protection to the QuadPod's propellers, allowing the aircraft to bump into walls and furniture without damage. Furthermore, the foam body alters the flight characteristics of the QuadPod, making it highly self-levelling. Once trimmed the aircraft will hover by itself with very little direction control, except for collision avoidance as it drifts about the room.

Please note that the foam body is not suitable for outdoor flying, unless the weather is very calm.



### Package Contents

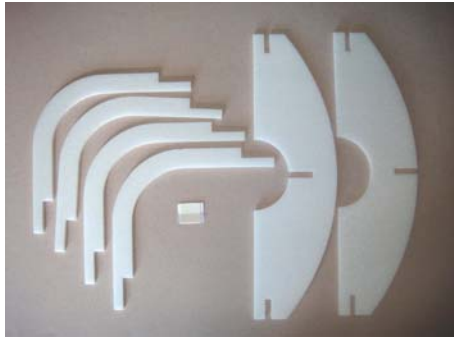
Six foam parts  
Double sided adhesive foam pads  
Instruction manual

### You will need:

1 inch (25mm) clear adhesive tape  
Scissors

## 1) Assembly

- 1) There are six parts to the kit; four identical outer ring sections, plus two larger fins.



- 2) Arrange the ring sections on the table to form a square. Please note that the parts will not fit together if one or more is flipped over.



- 3) Now apply a 3 inch (80mm) length of clear tape to each joint, so that it spans the full length plus a little over at each end. When all four joints are taped, flip the whole ring over and repeat on the other side.



- 4) Now slot one of the fins into the other to form a cross shape.



- 5) Next, slot the cross-fin section onto the ring, to form the complete body. This is most easily done by placing the cross-fin into the ring diagonally, and then twisting it into position. It will be necessary to slide the fins into place one-at-a-time, doing them in stages to avoid bending the foam too much. The completed body will be surprisingly rigid.



- 6) The body is attached to the QuadPod's dome using four pads of double-sided adhesive foam. The pads provided should be cut in half lengthways, and then applied to the inside of the foam arches, about half way up. This positioning is quite important: Too low and the body will be difficult to slide into position on the QuadPod. Too high and the attachment will be less robust.



- 7) Now turn the body over and offer it up to the QuadPod, to test how it fits. Do not remove the adhesive backing paper yet. The body should be aligned horizontally, and rotated so that it fits symmetrically around the propellers. Once you are happy with the way it fits on, remove the four adhesive backing strips and install it, pressing down firmly.

*Tip: Be sure to remove all four backing strips, because it is awkward to peel one off once the body is secured in place. We found out the hard way!*

## **2) Flving**

The foam body adds relatively little weight to the QuadPod (about 20g), so flight is un-laboured. Once the aircraft has been trimmed, it is extremely docile in flight, righting itself quickly and drifting about lazily. It can be a bit prone to getting into its own turbulence (which makes it move about), but the aircraft remains horizontal unaided.

The body can cause sudden weird yaw movements as spiralling air hit the fins, particularly when close to the ground. However the heading hold prevents this effectively.

