

## Acrowot foam-e battery hatch modification

Set up exactly as specified in the manual this great little model flies perfectly. I found one problem. The ESC has a Deans connector. All my batteries are XT60. I changed the ESC connector to XT60 but it is bigger than Deans. I also use lipo voltage telemetry so need a balance lead extension. Both leads have to be fitted into the space between the battery and the motor. One further complication is that because graphene batteries have high C ratings the wires are thicker to take the higher currents.

I made two modifications. First I made a thinner battery hatch cover out of ply. The supplied foam one projected down to hold the battery in place and took up precious space. My graphene batteries are slightly thicker so are a tight fit. However it was still difficult to push the two leads in so they didn't touch the motor. I fitted a thin ply plate above the motor placed so it doesn't obstruct the cooling airflow. The front is glued on to the foam moulding. The back sits on a spruce cross-piece, which is glued into slots cut in the foam moulding. In both cases I used epoxy.

Hatch cover



3 x 6 mm spruce cross-piece epoxied into the foam moulding



Here is the ply plate in place



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