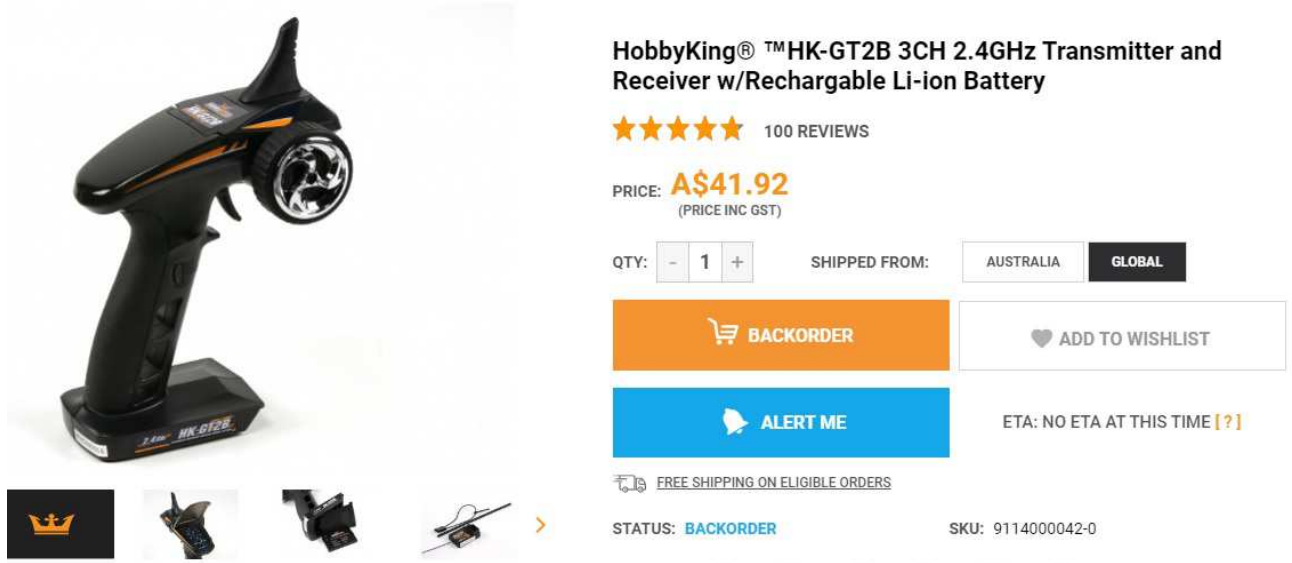


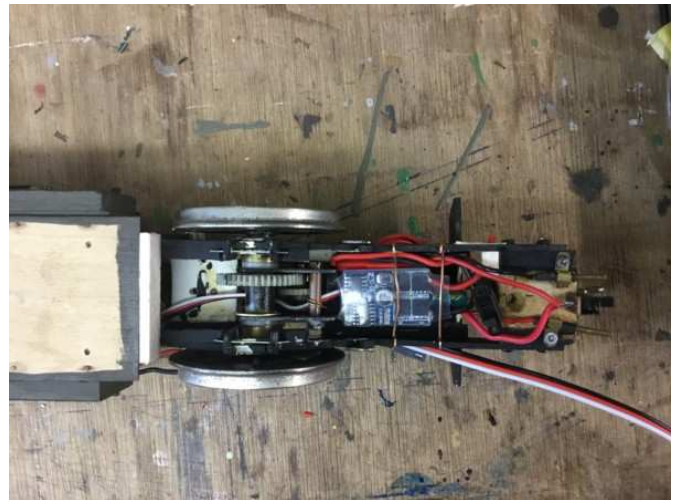
Red Fred – Internals arrangement, as rebuilt in April 2021

After experiencing ongoing irregularities with the transmitter / receiver and sound system for this vehicle, I decided to rebuild the internals using off the shelf components that I can work with.

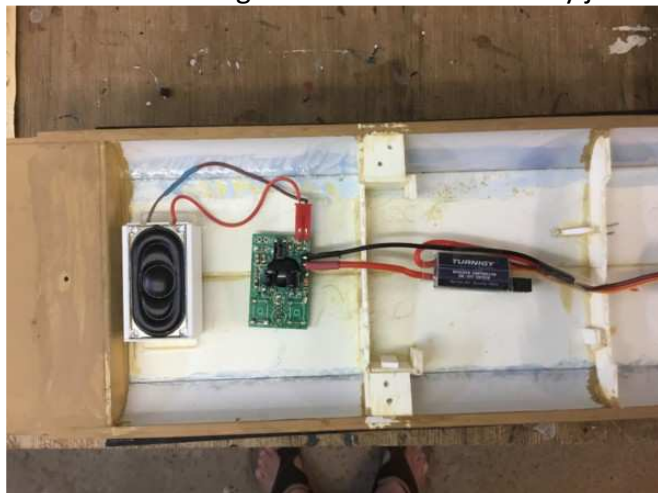


The screenshot shows a product listing for a HobbyKing HK-GT2B 3CH 2.4GHz Transmitter and Receiver. The product is a black handheld transmitter with a silver wheel on the side. The listing includes a star rating of 5 stars from 100 reviews, a price of A\$41.92 (including GST), and a quantity selector set to 1. Shipping options for Australia and Global are available. Buttons for 'BACKORDER', 'ADD TO WISHLIST', and 'ALERT ME' are present. The status is 'BACKORDER' and the SKU is 9114000042-0.

A Transmitter sold for use with model cars was purchased. The Trigger can be pulled back, return to centre or pushed forward to control direction and speed when used in conjunction with a matching Electronic Speed Controller. The Wheel is intended to be used to steer a vehicle. There is a third channel activated by a switch on the pistol grip. It has not been utilized for this model. In my case I removed the wheel and replaced it with a lever which now activates to HORN sound. Note that these units are intended to be powered by 7.4 volts LiPo batteries only (will be added later).



The 6 cells AA NiMH (7.2 volts) sit over the Rx. The ESC sits between the frames under the motor. The motor running sound card sits vertically just in front of the driving wheels.



The HORN sound card, trigger servo switch and speaker are mounted up inside the roof cavity.