

Car Notes/Documentation

- All 4 cars are the same, just different color. One was broken in the box, and does not steer.
- Steering is trinary, the car is either steering left at 45 degrees, right at 45 degrees, or not steering at all. This will make it easy to control with the pi.
- Throttle is controlled using a potentiometer. The car can move forward and backward and different rates, or not move at all.
- Each car has a separate frame and body, with a charging port beneath the body.
- Each car lasts about 10 minutes on one charge, will be plenty for a demo and easy to test with, I have supplied my own chargers and batteries for the remotes while we use them.
- The remotes emit a selectable frequency, and the cars automatically find the next available frequency, if all 4 remotes are on the same frequency, none of the cars will work.
- The cars handle best on carpet, and I will be looking into making a track out of carpet and brightly colored tape in the coming days. Steering and traction is difficult on smooth surface. During our demos, we will need to have a large area to put the carpet down.
- If it comes to this, the cars are very resilient and can take some hits without breaking, hopefully this durability will prove beneficial for us should an accident occur.