

Pre-Lab

1. In this project you are going to be given a set of functions that you need to have your toy perform. Find another toy that uses a microcontroller and describe the functions that it performs. For each function, explain the interesting code (mega128 specific setup registers ext.), mechanics, and/or electronics needed.

A remote control car would probably have a microcontroller in it. The car would have to listen to control signals from the controller. It would have to do what a signal commanded to do it when it received a command from the controller. It could listen for a signal and fire an interrupt when it received one. This would make the care very responsive to user controls.

It would definitely need to initialize a stack and enable interrupts, just like the mega128.