

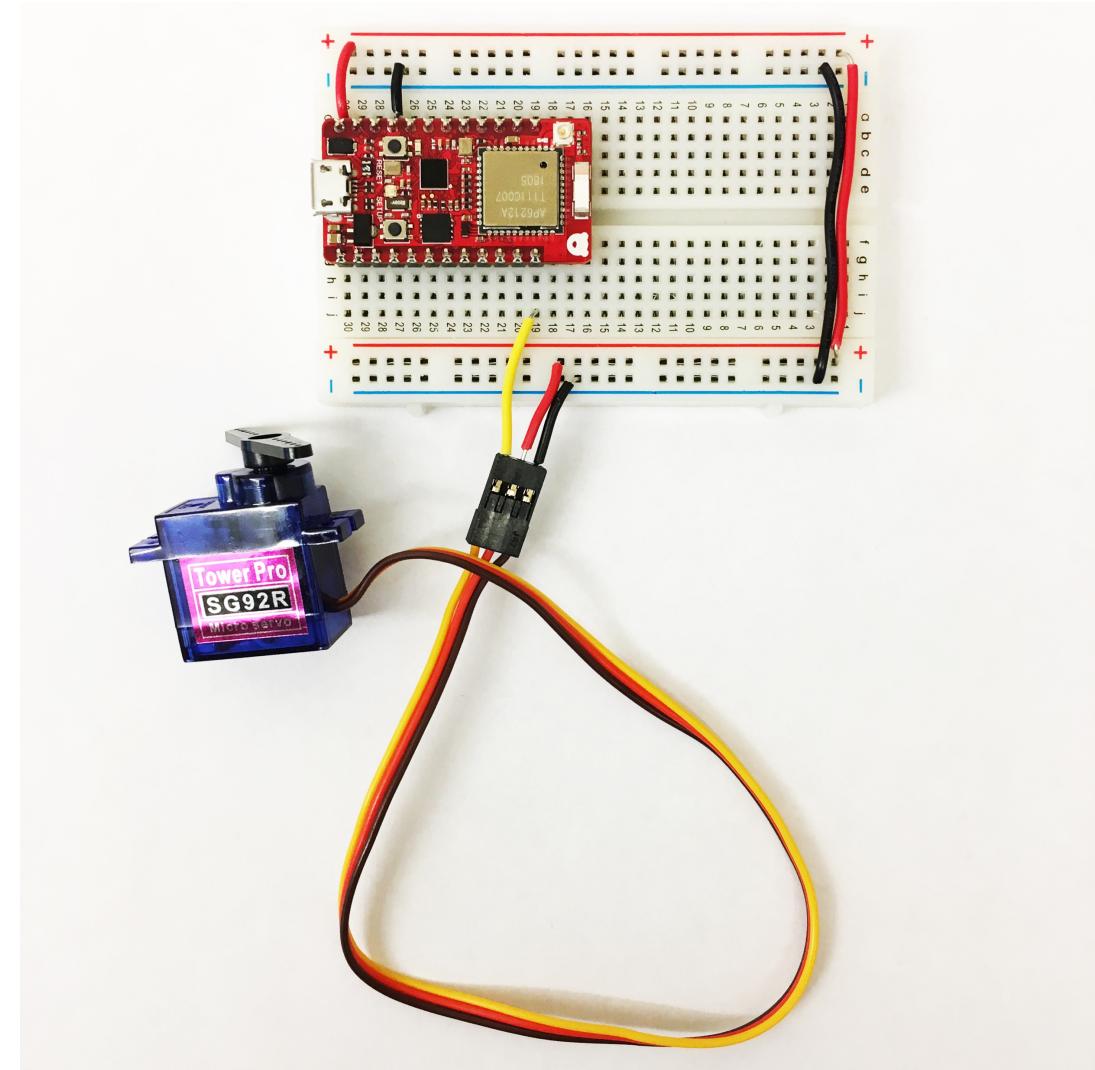
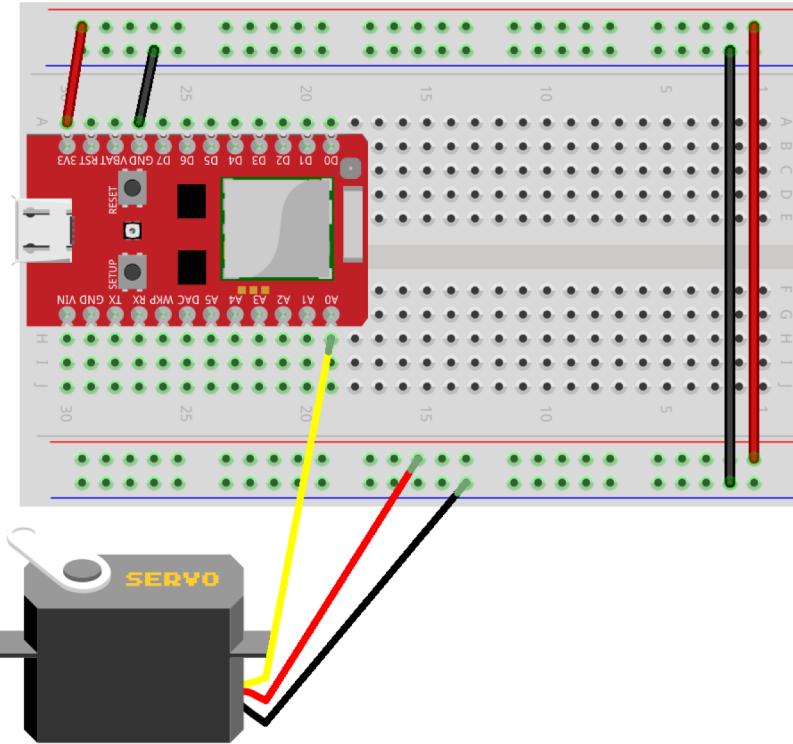
PHYSICAL COMPUTING: SERVOS

CSE 590 Ubiquitous Computing | Lecture 8 | May 17

Jon Froehlich • **Liang He (TA)**

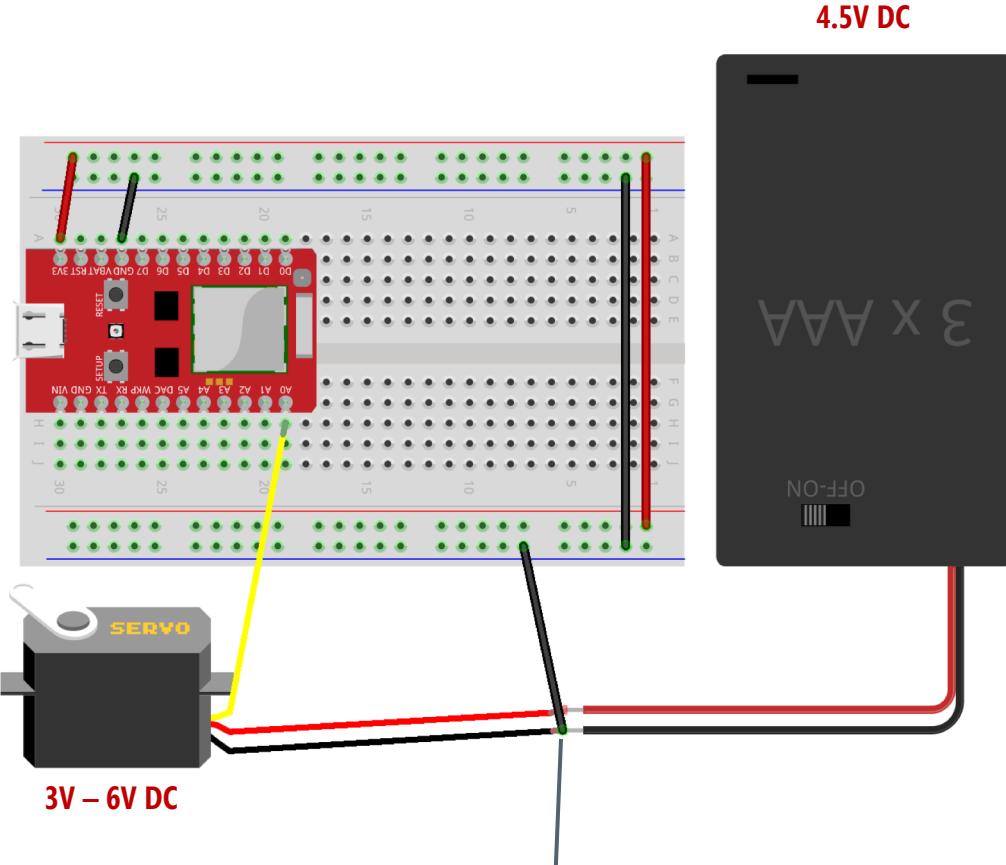
SERVO MOTORS

BASIC SERVO CIRCUIT

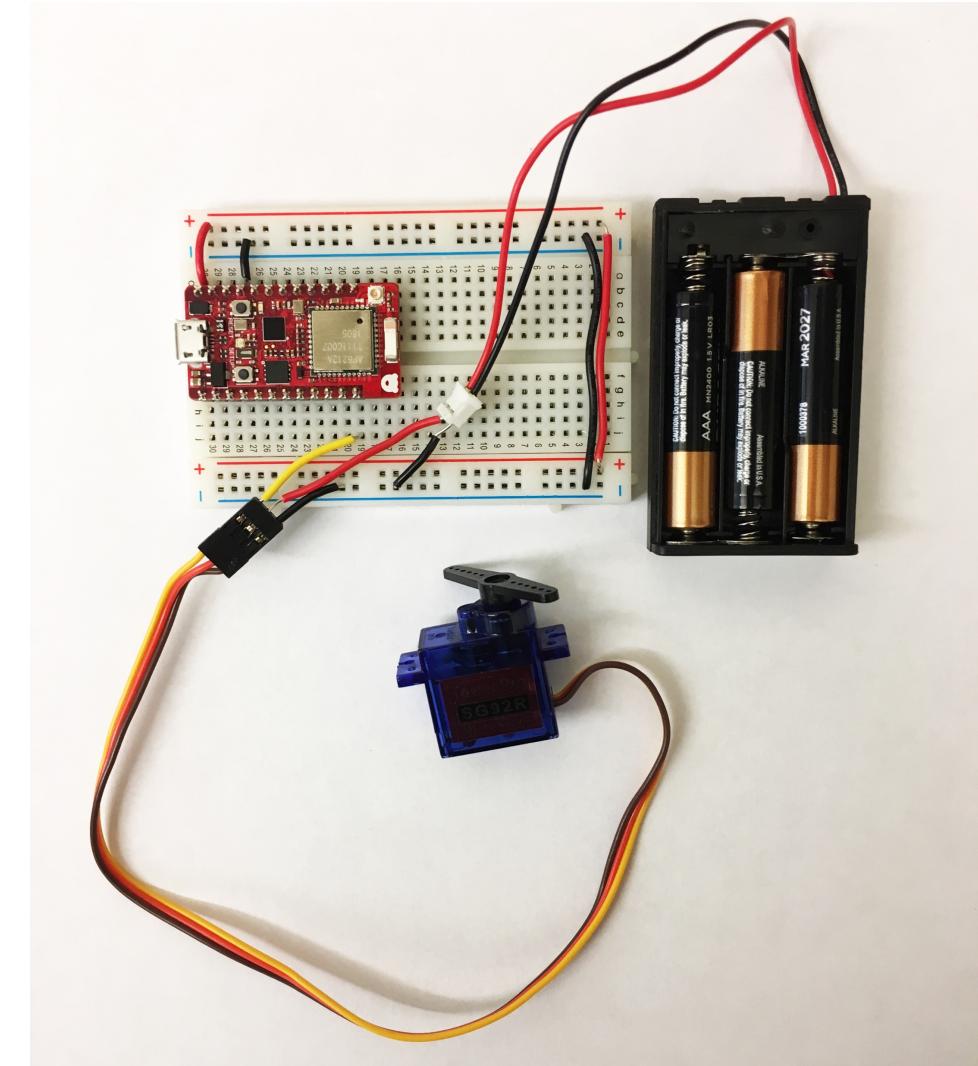


SERVO MOTORS

SERVO CIRCUIT WITH EXTERNAL POWER

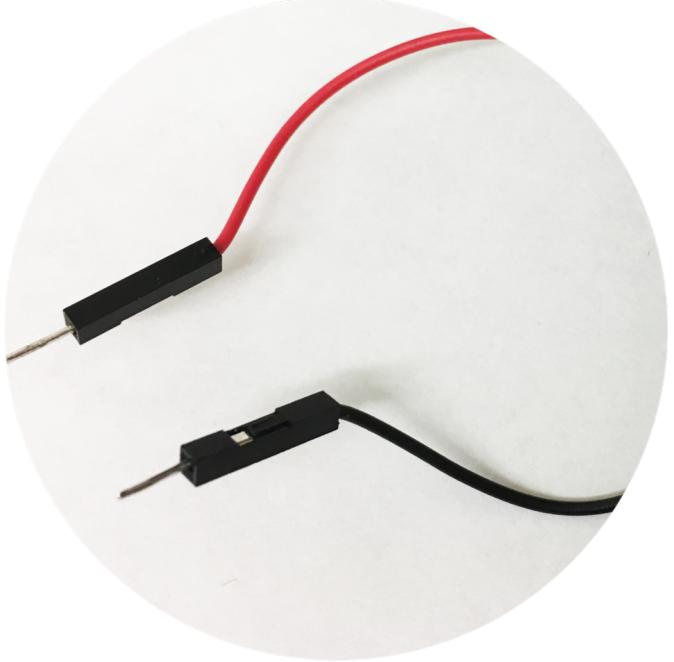


The RedBear Duo and the external power share the ground.

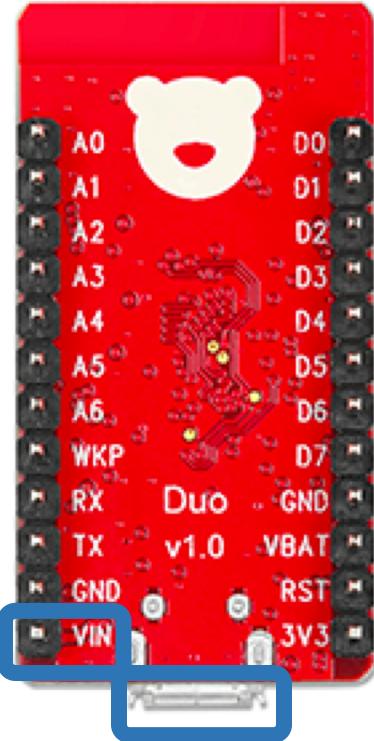


SERVO MOTORS

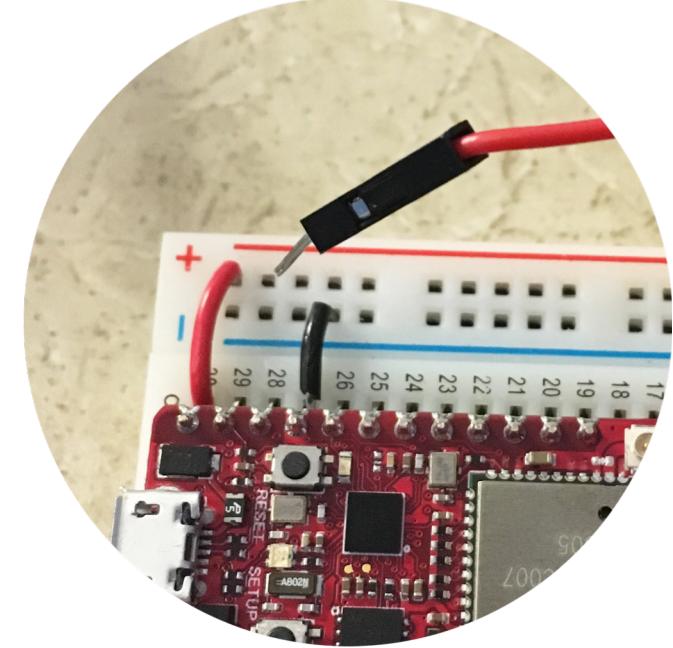
DANGER!



Do not let power and ground pins touch each other



Do not power the board through both the external power and the port at the same time



Do not connect the power pin of the external power to the board's VCC