**RoboBob Control:**

**Left Joystick:** Left Wheel

**Right Joystick:** Right Wheel

**Buttons:**

**5U:** Hold to operate Lift (Note that Intake stops while lift is running)

**5D:** Hold to reverse Lift & Intake to clear jams

**8U:** Max Speed for Launcher (Motor Speed = 127)

**8D:** Min Speed for Launcher (Motor Speed = 80)

**8L:** Launcher Off (Motor Speed = 0)

**8R:** Medium Speed for Launcher (Motor Speed = 100)

**6U:** Increase Launcher Speed (by 1 unit per 1/20th second held)

**6D:** Decrease Launcher Speed (by 1 unit per 1/20th second held)

**Notes:**

1. Buttons 6U/6D are sampled 20 times per second, so a short blip will make a minor adjustment, holding for just over 2 seconds will take it from Motor Speed = 127 (max) to 80 (min).
2. On a fresh battery (~8.5V) Launcher needs to be at around Motor Speed = 100 (this is where it is set for the Autonomous period), or it will overshoot. **ALWAYS START AUTONOMOUS PERIOD ON FRESH BATTERY OR IT WILL SHOOT LOW.**
3. Launcher performance drops FAST as the battery voltage drops - by 2-3 minutes of use, Voltage will drop under 8V, and Launcher needs to be on MAX (127) to score. You will need to increase motor speed during driver control period.
4. After 10-12 minutes use, cannot score, needs fresh battery.