SSL Robots

- Event Preparation Checklist

Event Preparation Checklist

1. Screw off the skirt
2. Plug in the battery

3. Select test mode (7th switch OFF)
4. Boot
5. Robot number on the screen matches its skirt
    1. If not, enter correct number in binary in the switches 0–3
6. Click OK
7. Self Tests → System Test → System Test
    1. Wheels rotate smoothly and forcefully
    2. Kicker kicks and doesn't get stuck
    3. Dribbler doesn't spin
8. Info Menu → Sensors etc → Encoders
    1. The values don't jitter too much
    2. When you spin the wheels, the values follow
9. Self Tests → Top board → Buzzer test
    1. Listen to the end
10. Select normal mode (7th switch ON)
11. Reboot
12. Start the Basestation
    1. Plug both Basestation cables into the laptop
    2. ```
       cd ~/Basestation/python_utils
       python3 joystick.py -r $ROBOT_NO
       ```
13. Connect the controller over Bluetooth
    1. Named `Lic2 Pro Controller`
    2. Controller with MAC `30:31:7D:D7:C0:1E` works well
       ```

3. You might need to delete the controller and pair it again
4. USB controller works as well

14. Play with the controller
    1. Moves back/forth/sideways (left joystick)
    2. Rotates (put it on the ground) (right joystick, up/down)
        1. The robot has an IMU inside, so if you do it on the stand, the wheels will keep spinning
    3. Kicks (right trigger)