

Configuration File for 2017-2018 FTC Robotics Team Polaris – Andy Cox V

This file is a listing of the hardware used on the robot and the names of the different hardware in the robot's configuration file. Names are important, because the programmer whether blocks or OnBotJava will have to reference a specific piece of hardware in order to use the hardware in the program.

This particular configuration file listing is for a two Rev Expansion Hub robot that uses four motors for an X-Drive, an arm motor for vertical movement, a servo and color sensor combination to detect jewels, and two 180 degree servos for a claw to grab glyphs (6x6x6 inch light foam cubes).

Rev Expansion Hub 1 supports all hardware EXCEPT the Tetrix Motor used for the robot's vertical arm. Rev Expansion Hub 2 supports the Tetrix Motor.

Note: All of these names will be used in the included OnBotJava source code for team Polaris's robot.

This listing is in the format:

- Expansion Hub
 - Device Type
 - Device Amount
 - Device Name

Robot Hardware Profile:

- Rev Expansion Hub 1
 - Motors
 - 4 Matrix 12v Motors
 - motor1
 - motor2
 - motor3
 - motor4
 - Servos
 - 3 Servos (180 degree servos)
 - servoL
 - servoR
 - servoArm
 - I2C Bus 0
 - 1 Rev Color/Range Sensor
 - colorsensor
- Rev Expansion Hub 2
 - Motors
 - 1 Tetrix Motor
 - armmotor