

FTC Team 7643 – System Setup



**FROG
FORCE
503** A LEAP AHEAD

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FTC Resource Library

Welcome to the FRC 503 FTC Resource Collection!

Frog Force, in partnership with [The Robot Garage](#), has developed this collection of FTC resources in order to assist middle school FTC teams around the world with transitioning to the new FTC field communication platform as well as getting a "hop" on the season! These are the same resources that we used at our FTC Kickoff Event as well as in workshops around the state.

These resources are open source and available on google docs:

Quick Build Resources

- [Chassis](#)
- [Arm Manipulator](#)

Field Communication & Programming Resources

- [Programming Fundamentals](#)
 - Android Studio is the recommended choice for teams.



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Quick Build Resources

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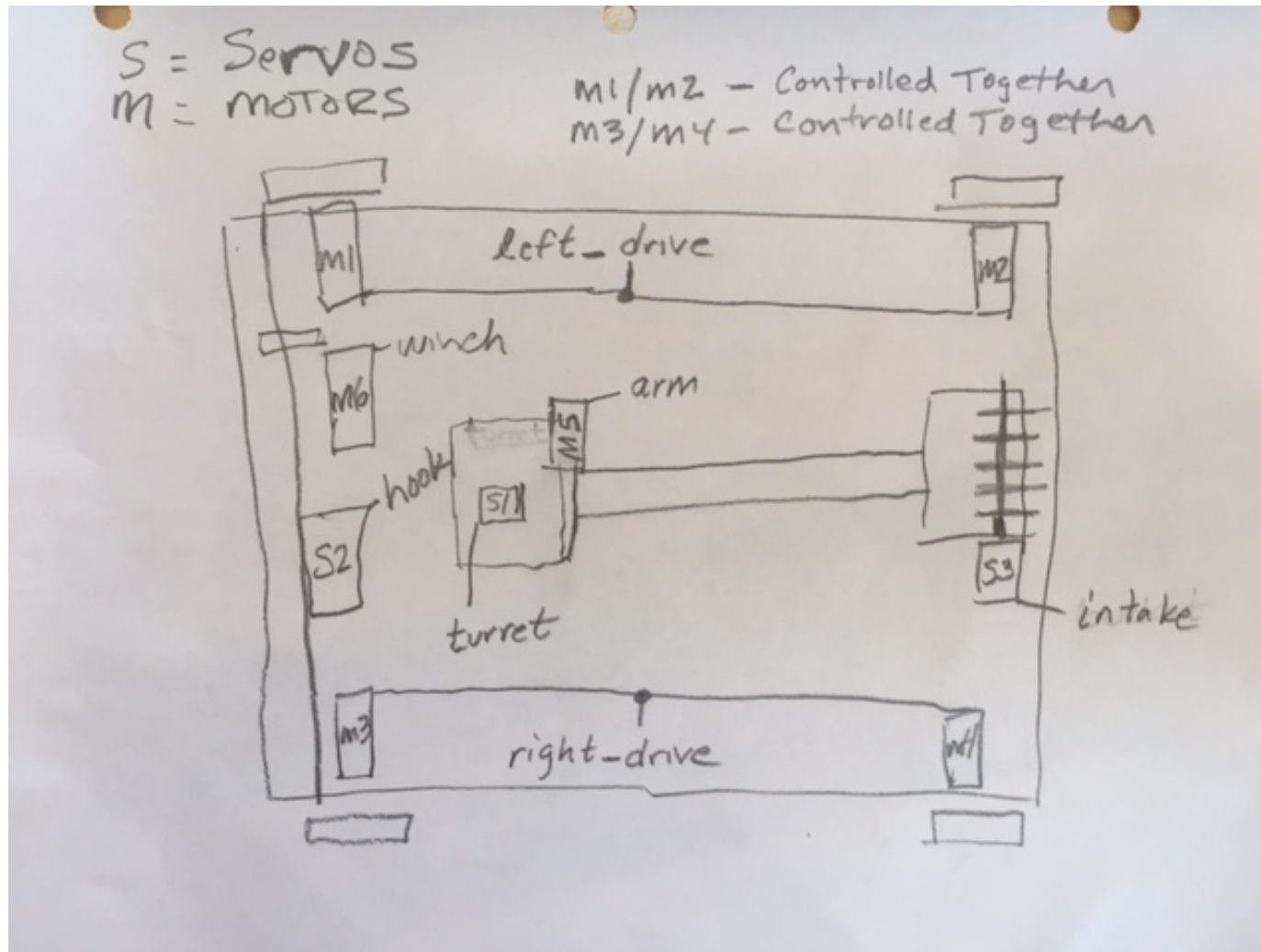
Field Communication & Programming Resources

- **Programming Fundamentals**
 - Android Studio is the recommended choice for teams.
 - Basic look at developing programming code for your robot.
- **Android Phone Configuration Guide**
- **Developer Workstation**
 - Set up your laptop to make software changes to the robot.
- **Bringing It All Together**
 - Bring your developer workstation and your Android cell phones together to control a robot.

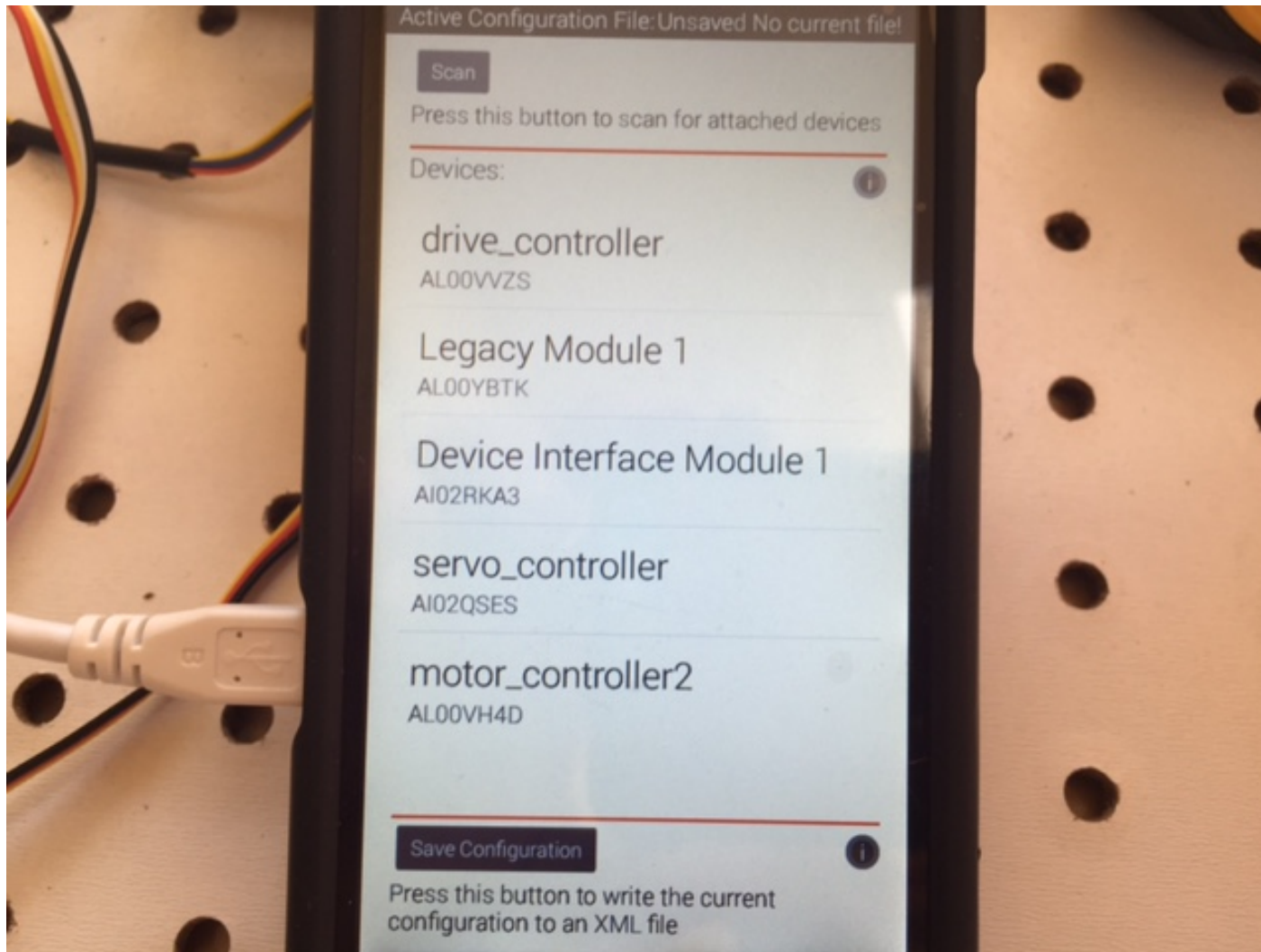
Need help? Contact Frog Force's FTC experts at frogforce@frogforce503.org.



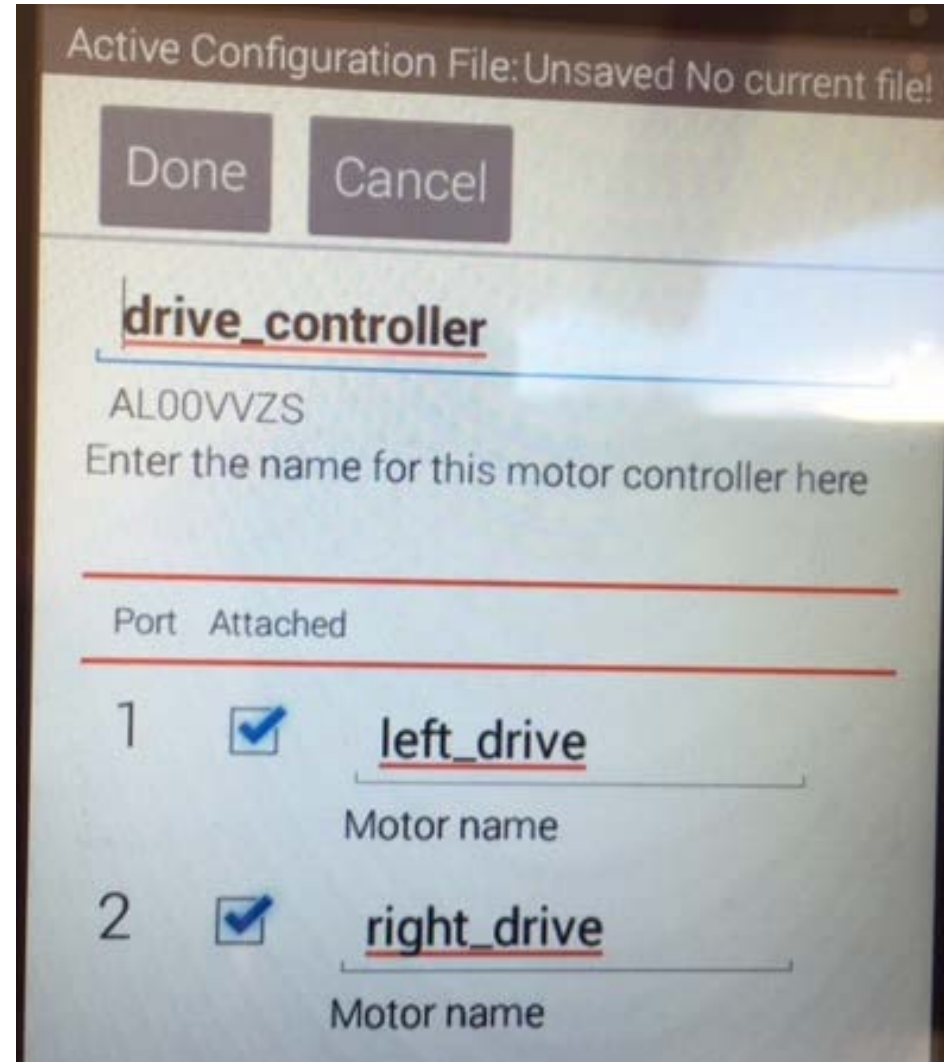
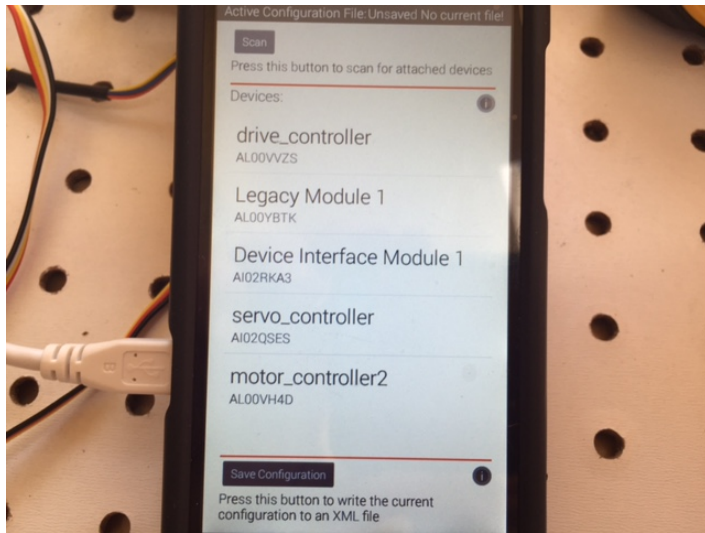
Sketch Robot Motor and Servo Configuration



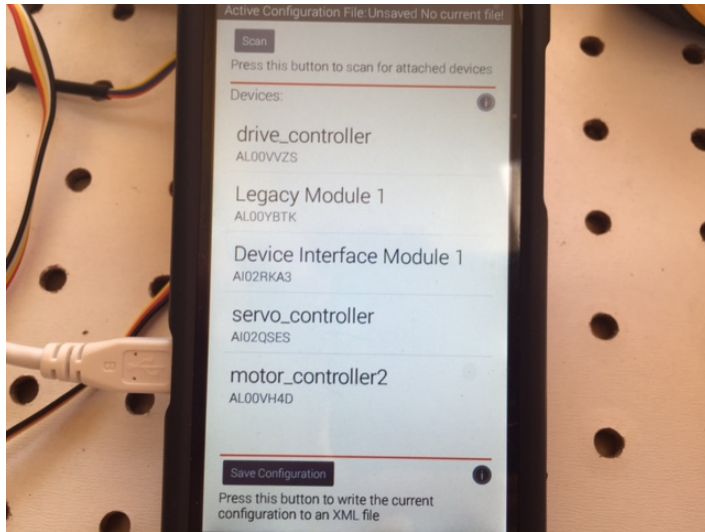
“ferguson1” Configuration



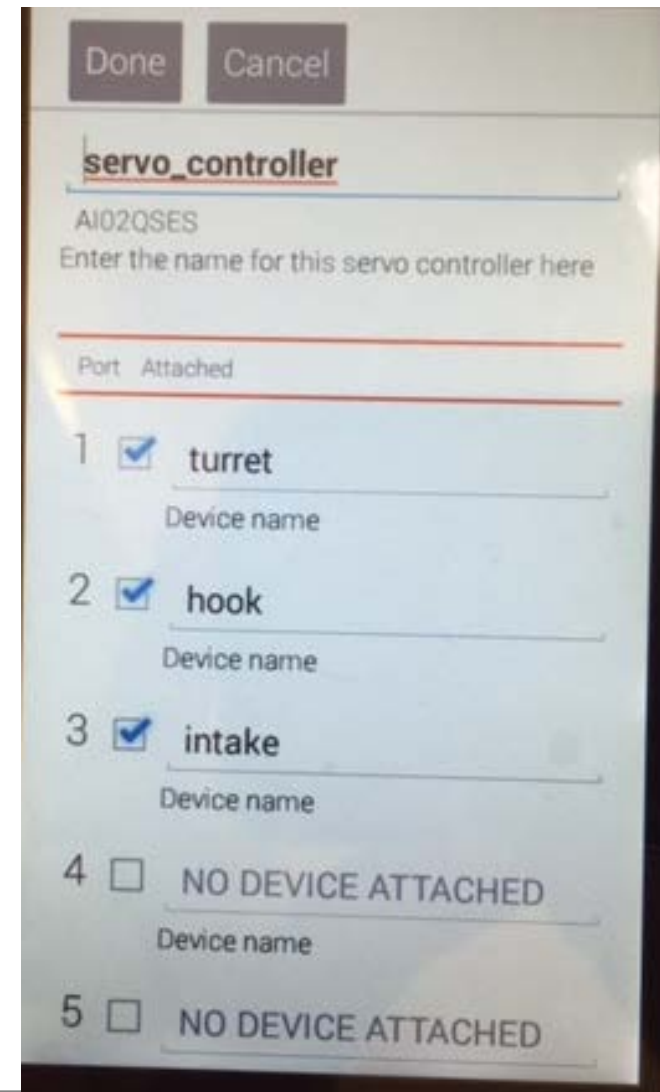
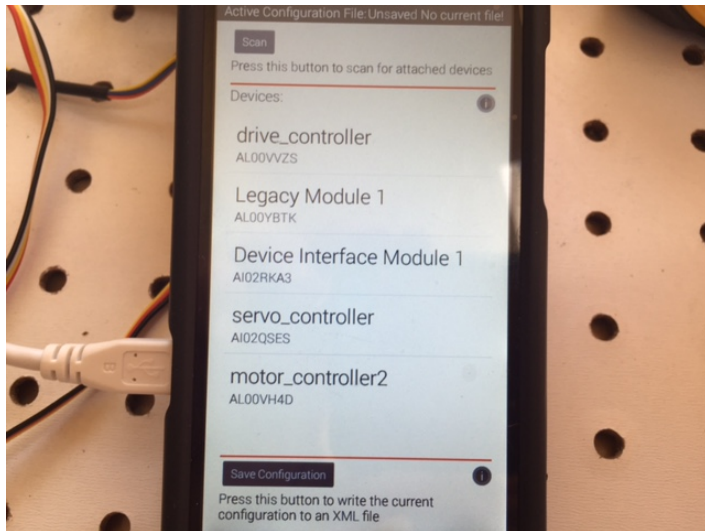
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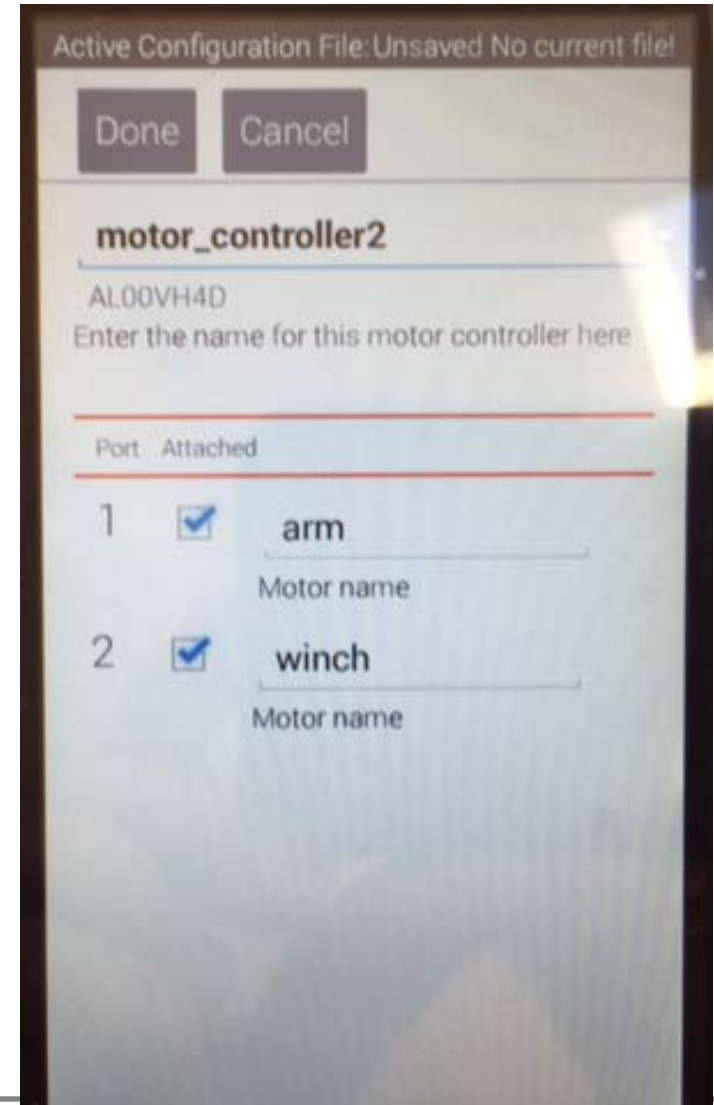
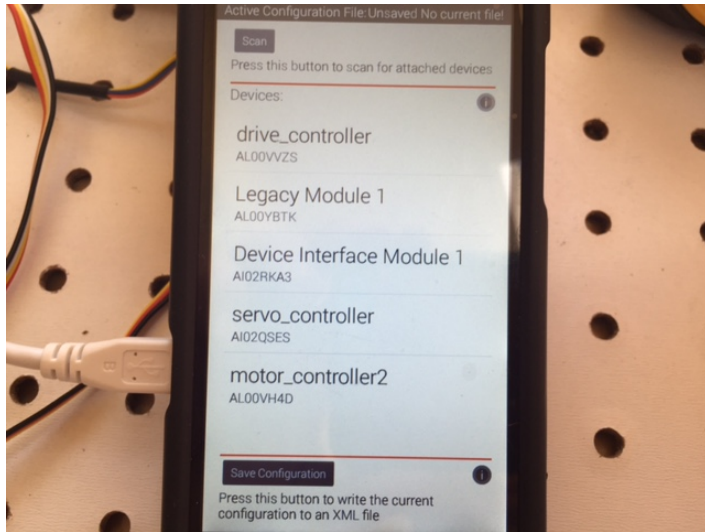
“ferguson1” Configuration



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“ferguson1” Configuration



“ferguson1” Configuration Summary

Configuration File: ferguson1

	<u>Port</u>	<u>Name</u>
drive-controller ALØØVVZ5	1	left-drive
	2	right-drive
motor-controller2 ALØØVH4D	1	Arm
	2	Winch
servo-controller	1	turret
	2	hook
	3	Intake

* ADD
Later



Base Java Opmode File

