



HOW TO WORK THE NEW CONTROL SYSTEM

- The control system consists of two Android Phones, one on the robot as the Robot Controller, and one as the Driver Station to which the remotes are connected.
- Enable Wi-Fi Direct in Wi-Fi settings. Name your device what it is. (i.e. 4546 Robot Controller or 4546 Driver Station)
- Download the driver station app from Google Play Store to the Driver station Phone
- Write all your code as a new OpMode in the app provided on Github. (More info on programming can be found on the FTC website) Make sure to add the new OpMode name to the OpModeRegistry.java!
- Power up the robot and then plug in the phone to the Power Distribution module. For best results, do it in this order!
- Tap the three dots in the top right corner of the app and go to settings. Create a robot configuration file that senses the devices and allows them to be named.
- Once configured, tap dots again and Restart Robot.
- Connect controllers to the Driver station. Make sure the Mode button is not pressed and the switch on back is set to X. Then press start+A for Gamepad 1 and Start+B for Gamepad 2.
- Make sure the driver station is connected to the robot (Settings > Wi-Fi pairing settings > Select device) and then select your OpMode and press start.