

Dummies Guide: How to Flash the Robot

Created by: Jacob Mazelin and Team 5675

Getting the Computer and Ethernet Cable Ready

1. Download FRC Radio Configuration and launch it.
2. **IMPORTANT:** Go to the Control Panel Application, click on View Network Status and Tasks, click on Change Adapter Settings, and disable all but ethernet.
3. Using a Cat 5E Ethernet Cable (The blue one should be fine), grab the Ethernet to USB dongle and plug it into the computer.
4. Plug one side of the Ethernet cable into the dongle, and the other side into the SECOND ethernet port on the bottom of the radio. The first port is for power. If you did it right, there should be at least one stable blue light signaling there is power.

Using the Software

1. With FRC Radio Configuration launched, select the Ethernet option from the popup, enter your team number(5675)and leave the name and WPA Key blank. If you want a password for the network, enter it in the WPA Key box.
2. Select the Open Mesh option and 5.0 GHz Access Point.

3. With the robot turned on, press Load Firmware and turn the robot off and then on again. If the radio isn't found, try unplugging the first ethernet cable, with the robot on, then pressing Load Firmware, and then plugging it back in.
4. Once the firmware is loaded, press the Configure button and wait for it to finish.
5. Disconnect the ethernet cable from your computer and the radio, and plug the blue ethernet cable back into the second port of the radio.
6. Turn the robot off and then on again
7. Go to Control Panel to turn the wifi back on, and click on the "5675" wifi signal. It may take a minute or two to pop up. Once connected, open up the Driver's Station. Everything should work now!
8. OPTIONAL: If none of the above works, try disconnecting the ethernet from the roboRIO and repeat steps 1-7(see picture below)

Also, make sure the orange ethernet cable is connected to the roboRIO, or else you won't get communications.

