

Robot Relocation

The IF drive train is powered by a hydraulic system.

At the start:

1. Always have one person with the remote emergency button (red button).
2. Push button called Hyd. on the side. Put it on the I.
3. Gas pressure gauge is at zero when not working. When on, it should be 150 max to operate the robot. A bit above or below is fine. If too much it shuts down.
4. When we press the emergency button (red button) it kills the pressure.
5. Before moving, turn the spider legs towards the IF and raise the footings.

The IF has three ROS:

1. Robot
2. Moving
3. Master (that distributes everything).

To connect the drive train with the computer:

1. When opening Anaconda > type *bash* > press enter. ('Bash' is a Linux terminal.)
2. Type `ssh -xxi adrl@192.168.125.4`
3. Enter password: *hyq* (the password doesn't show up on the screen)
4. Launch the script that will start the pump:
 - a. In Anaconda, where the line of the user shows up:
 - i. type `./autostart/start_driving.sh`

To operate the drive train:

1. Use the remote control, press the button *Mode* to confirm the battery is good (should be blinking if good)
2. Press *Y* to start the pressure. There should be a noise.
 - a. If we press *Y* again, the pressure is maintained.
 - b. If we press the emergency button, it kills the pressure.
3. Hold the top button *R1* and use the bottom left joystick.

To stop the drive train:

1. Turn off the hydraulic system (Hyd. button, put it back to *O*)