

Griffin Auto Input User Guide

Initialization Sequence

1. Power up both phones (Driver Station and Robot Controller)
2. Install the Robot Controller into the robot.
3. Connect it to the Rev Robotics Expansion Hub #2 (facing the tail of the robot) using the USB cable. The Robot Controller program *should* start up automatically. (If it does not, start it manually.)
4. Plug a Logitech F310 Game Controller into the phone using a multiple type-A female input to micro-B male output hub.
5. Start the FTC Driver Station software on the Driver Station phone.
6. If the Driver Station and Robot Control phones are properly matched, the Driver Station phone *should* connect to the Robot Control phone automatically.
7. Select the Autonomous menu and the Griffin Auto Input menu entry.
8. Press the Init button on the Driver Station phone.

Location Adjustment

The first state the robot transitions into allows the driver to perform any fine-tuning on the robot position. The driver may use any or all of:

1. Left or right joysticks to control linear motion,
2. Left or right triggers and bumpers to control rotation,
3. Buttons 'X' to open and 'B' to close the claw,
4. Buttons 'Y' to raise and 'A' to lower the claw, and
5. DPAD buttons Up to raise and Down to lower the tail,
6. Guide (the Logitech button in the center) to move to the

Quadrant Selection

After the Guide button has been pressed, the driver may select the quadrant where the robot is placed within the field. The button selections (on the phone) are:

1. 'X' to select the Blue alliance in the leftmost Blue quadrant,
2. 'A' to select the Blue alliance in the rightmost Blue quadrant,
3. 'Y' to select the Red alliance in the leftmost Red quadrant,
4. 'B' to select the Red alliance in the rightmost Red quadrant.
5. Start to signal the robot is properly configured and ready to start the competition.

Competition Start

Once the robot is fully configured and ready for play, the following message will appear within the phone message area:

Status Ready to play, waiting for start.

Press the Start button (white triangle pointing right) to start the competition.