

Startup Checklist

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This is a checklist of things to check before and as soon as turning on the robot. This list was provided by CSA Laura Rhodes, FRC Team 100

Check robot ready to start

- Verify no loose wires/tools/debris around robot electronics
- All hands clear of pinch points
- All personnel clear of robot actuators
- No dangling connectors (wrap any exposed connectors on temporary disconnections in electrical tape and secure loose wire using cable ties)
- Ethernet cables to laptop clear of chains and other moving components
- Verify Ethernet cables plugged in
- Start Driver Station and have operator be ready to hit spacebar and/or Enter if necessary to disable robot
- Connect Battery

Verify power lights

Power distribution board

- 12V LED
- 24V LED
- no circuits tripped LEDs

Digital Sidecar

- BAT LED
- 5V LED
- 6V LED
- RSL blinking as expected

cRIO

- Green power LED
- No other status LEDs on (unless so programmed)
- LED next to Ethernet connection flashing with communications

Radio

Startup Checklist

- Power indication

Axis Camera

- Power LEDs (on rear)
- Glow around lens with communications

Speed Controllers (Jaguar, Talon or Victor)

- Blinking orange to indicate power on/disabled
- Fans on Victors spinning
- Verify that all speed controller's LED's stop blinking orange when the Robot is Enabled (solid orange/yellow for neutral)

Driver's station

- Wait for Green lights for "Communications" and "Robot Code" on Driver Station
- Change mode to "Enabled" by clicking on "Enable" on Driver Station