

Cortex/VEXnet General Debugging Guidelines

Symptom: Slow blinking green Robot light on CORTEX.

Solution: Try using the VEXnet Upgrade Utility.

Symptom: Slow blinking Robot green light on Joystick.

Solution: Push and hold CONFIG button about 5 seconds until light starts flashing green. Release, wait about 5 seconds, then turn Joystick OFF and then back ON. Also try using the VEXnet Upgrade Utility.

Symptom: Yellow or Red Robot light on the CORTEX.

Solution: used fully charged Robot battery.

Symptom: Yellow or Red Robot light on the Joystick, even though the CORTEX is green.

Solution: Joystick latches CORTEX's lowest battery level. Power cycle both Joystick and CORTEX.

Symptom: Robot does not do what you want it to do.

Solution: Download the BEST default code and test to isolate hardware problems. Then make small program changes testing after each change.

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Symptom: Robot still does not link up, even after tethering.

Solution: Try using the VEXnet Upgrade Utility. If the issue persists, try debug using a friends system to narrow down the problem, check the VEX Forum or contact VEX Robotics for assistance.

Symptom: VEXnet does not stay connected.

Solutions: **a)** Make sure 7.2V battery is fully charged. **b)** Make sure fully charged 9V backup battery is connected. **c)** Try “pairing” the controller and joystick using a USB cable. **d)** Reset controller and Joystick. **e)** Verify latest firmware is downloaded onto Cortex and Joystick. **f)** try alternate VEXnet keys.