

## Cortex/VEXnet General Debugging Guidelines

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**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.