



Software Inspection for Cortex

Overview

This document details how to inspect VRC robot software using VEXnet on the Cortex Processor – V2.0.

Requirements

- Ethernet Cable and Competition Switch. (VEX Part Number: 276-2335)
- Update to the latest VEXnet Firmware

Procedure

1. Connect Competition Switch to “Competition” port on Joystick
2. Set switches set to: “Disable”. “Autonomous”
3. Verify VEXnet Key is installed and Turn ON Joystick.
4. Verify VEXnet Key is installed and Turn ON CORTEX and wait for a link (several seconds).
5. VERIFY on BOTH VEXnet Units that the LEDs are in the following states:
 - ___ Robot LED:..... Mostly Solid GREEN (Blips off at 1hz rate–will vary with number of TX units) **
 - ___ VEXnet LED..... Fast Blinking GREEN
 - ___ Game LED.....Fast Blinking YELLOW
 - ___ Joystick LED (Joystick only) Solid Green
6. Set Competition Switch to “Enable”
 - ___ VERIFY: Game LED on Both units is Fast Blinking GREEN.
 - ___ VERIFY: VEXnet LED on Both units is Fast Blinking GREEN
 - ___ VERIFY: User does NOT have control of the robot via joysticks.
7. Set Competition Switch to “Disable”
 - ___ VERIFY: “Game” LED is Fast Blinking YELLOW
8. Set Competition Switch to “Driver”
9. Set Competition Switch to “Enable”
 - ___ VERIFY: Game LED is Solid GREEN on both units
 - ___ VERIFY: User DOES have control of the robot via joysticks.
10. Set Competition Switch to “Disable”
11. Turn Joystick and CORTEX OFF.

**** If ROBOT LED is Blinking Fast RED, robot is missing Backup Battery or it’s almost dead.**

You can switch between Autonomous and Driver Control at anytime – The robot should react accordingly.

For support on Software updates, master code, software versions, firmware updates, etc, see the “Software Support Guide “