6. VEXnet Joystick Calibration Procedure:
   a. When using the 276-2245 VEXnet USB Key (black), the Joystick must be linked to the Microcontroller using the Keys. When using the 376-3245 VEXnet Key 2.0 (white), the Microcontroller must be turned off.

   b. Hold the "6U" Back Switch depressed.

   c. While the "6U" Back Switch is depressed, use a small Allen Wrench (1/16" or smaller) or similar small straight tool to depress and hold the CONFIG Switch.

   d. Hold both Switches depressed until you see the Joystick LED Flash red and green — you can now release both Switches.
      – There is a 10 second time limit to complete the following steps 5 and 6.

   e. Move both Analog Joysticks to the maximum position desired in all 4 directions — Up, Back, Left, and Right.
      – If a movement is not detected in all 4 directions, a timeout will occur after about 10 seconds and the Calibration Mode will be discontinued and the VEXnet LED will briefly flash red.
      – The Joystick LED will continue to flash red and green during the calibration process.

   f. After movement is detected in all 4 directions, the Joystick LED will be ON and solid green.
      – To save the calibration, depress and release the "8U" top button.
      – If the calibration is accepted and saved, the Joystick LED will start flashing fast green for a few seconds.
      – If the calibration is not saved, a timeout will occur after about 10 seconds and the Calibration Mode will be discontinued and the VEXnet LED will briefly flash red.
      – To cancel the calibration, depress and release the "7U" top button. The Calibration Mode will be discontinued and the VEXnet LED will briefly flash red.
      – If the Calibration Mode is discontinued or saved, the Joystick LEDs will resume their normal function after the VEXnet LED briefly flashes.

   g. If Joystick Master Firmware is downloaded into the Joystick, the Joystick will need to be recalibrated.

Config Switch

8U   7U

6U

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