Using the VEXnet Key 2.0 Firmware Upgrade Utility with Windows 8



The VEXnet Key 2.0 Radio drivers do not have a Digitally Signed Device Driver. In this situation, Windows 8 requires a special sequence to allow unsigned driver installation. This sequence is explained below. The high-level summary is to install the VEXnet Key 2.0 Firmware Upgrade Utility, allow the computer to use an unsigned driver, attach one VEXnet Key 2.0 radio, install the driver, move the Key to each USB port once, then reboot the PC.

VEXnet Key 2.0 Firmware Upgrade Utility

1. Install the latest VEXnet Key 2.0 Firmware Upgrade Utility per the instructions included in the zip file.

Allowing Unsigned Drivers

1. Boot Windows into “Advanced Startup” mode by holding the "Shift" key down while selecting "Restart".
2. Click "Troubleshoot".
3. Click "Advanced options".
4. Click "Startup Settings".
5. Click "Restart" to disable driver signature enforcement.
6. Choose Option 7 (Disable driver signature enforcement).
7. (The PC will reboot).

Installing the Unsigned Driver

1. Log in to Windows.
2. Insert a VEXnet Key 2.0 into a USB port.
3. Windows 8: Open "All apps" (right click near the bottom on the right hand side of the screen). Select "All apps".

3b. Windows 8.1: Click the down arrow near the bottom on the left hand side of the screen.

4. Scroll to the right and click "Control Panel".
5. Enter "Device Manager" in the "Search Control Panel" block and select "Device Manager".
6. Locate "VEX Radio" in "Other Devices". It will have a triangle with an exclamation point indicating a driver issue.
7. Right click on "VEX Radio" and select "Update Driver Software...".
8. Click "Browse My Computer" and select "C:\Program Files (x86)\VEX Robotics" or similar.
9. Click "Next>" and click "Install this driver software anyway".
10. The driver installation should finish. Click "Close".
11. A successful driver installation is noted by "VEXnet 2.0 Radio (COM...) in the “Ports (COM & LPT)” section of Device Manager.
12. Move the VEXnet Key 2.0 radio to each USB port that may be used for Key reprogramming.
13. Remove the VEXnet Key 2.0 radio from the PC.
14. Reboot the PC.