

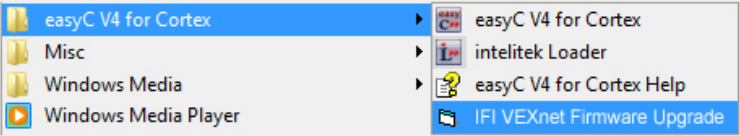
easyC V4 for Cortex ♦ Getting Started ♦ Updating the IFI Master Code

Caution:
It is extremely important that you update the Master Code on BOTH the VEXnet Joystick and the VEXnet Controller. easyC will not work without updated Master Code.

For technical support regarding the IFI Master Code, please contact Innovation First (IFI) directly at <http://www.vexrobotics.com/support>.

Perform the following steps to update your VEXnet Master Code:

1. Make sure the controller is turned OFF. It will turn ON automatically.
2. Remove the WiFi key from the Cortex microcontroller.
3. Connect one end of the USB tether to your computer.
4. Open the IFI VEXnet Firmware Upgrade from the Start Menu.



5. If the device is not detected automatically, click on the **SEARCH button**. The software tool will search for the controller.
6. Click on the **BootLoad button** and click "Yes" on the "Start Boot Loader?" dialog box.
7. Download the Master Code by clicking on the **DOWNLOAD button**.
8. When this process is complete, disconnect the controller from the USB cable and close the utility.
9. If applicable, repeat this process with the VEXnet Joystick. It is important to update **both devices at the same time**, or the hardware will not work with easyC.

If you have difficulty downloading, try the following:

1. Make sure the VEX device is turned off before connecting.
2. Press and hold the "Config" button while inserting the USB cable.
3. Click on the SEARCH button and then click on the DOWNLOAD button to download the Master Code.

Caution:
If it is necessary to use the Bootload option, the joystick will need to be re-calibrated when you are done.
If none of these solutions work, contact Innovation First at <http://www.vexrobotics.com/support>.