What to Do if Code Composer will not connect to JTAG or DSP

Error 1: Code Composer cannot connect to target.

Solution: If you receive this error ensure that the robot is powered on and the JTAG is connected to the robot. Then click Retry to connect.

Error 2: Code Composer lost its link to the USB emulator.

Solution: The only solution in this case is to close Code Composer, ensure the robot is powered and the JTAG is connected to the PC and robot and restart Code Composer.
Error 3: Problem communicating with JTAG during startup of Code Composer.

Solution: First ensure that the JTAG device is plugged into the USB cable and that the cable is plugged into the computer then hit Retry. If that still fails or if the JTAG is already connected to the computer, unplug the JTAG device from the computer, plug it back in and hit Retry. If this still fails you will need to close Code Composer, power off the robot, cycle connection between the JTAG and computer, power on the robot and restart Code Composer.

Error 4: Communication Error while Debugging code in Code Composer

Solution: This error can occur due to USB corruption by the robot’s motors or other misc noise or it could be due to your code. If this error repeats over and over again more than likely it is a problem in your code. The code problem is usually that you are writing past the bounds of arrays you have created. To fix the JTAG connection first try cycling power to the robot and reconnecting. If this does not work you will need to close Code Composer, ensure the robot is powered and the JTAG is connected to the PC and robot and restart Code Composer.
**Tips**

Never unplug the JTAG from the PC when in a Code Composer session; remove the JTAG connection to the robot when you need to take the robot away from the bench.

When restarting Code Composer to fix connection problems, it is sometimes necessary to manually end CCStudio processes in the Task Manager (Ctrl+Alt+Del to access Task Manager). End any of the following processes: cc_app.exe, cc_setup.exe, FlashBurn.exe, and CCSMonitor.exe.

![Windows Task Manager](image)

Sometimes, the USB connection is broken when the robot’s motors are started. In this case, you will need to follow the solution to Error 4.