



My team demonstrated their simple robot at the Mini Maker Faire in Charlotte two weeks ago. The robot was being used all day long and we lost connection numerous times.

As an engineer myself, I can say that it was not loose wiring nor low battery levels.

After trying to fix the connections all day long, I found that unplugging the USB cable from the Power and USB Distribution Module and plugging it in again always fixed the issue. It appears that the fault lies with the USB connection breaking down at some point.



techied commented on Oct 24

Wow. Glad I stumbled upon this, we are losing connection randomly because of failures. Will definetly contact Modern Robotics.



S mennesoft commented on Oct 25

I can also verify that our team has one of the quirky core distribution modules. Inconsistent is the best way to describe it. When you connect the same set of modules and click Detect in the Settings of the Robot Controller application, sometimes you'll get all the connected devices, but sometimes not, and if you retry you'll often get different results even if you don't touch the hardware or cables at all.

We have also experienced loss of connection, but it could be related to the system trying to detect connected hardware at startup, and then getting different results as explained above.

We'll contact Modern Robotics as well. I don't know our serial number off hand.

Kevin Menningen Team 7979

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WardBenjamin commented on Oct 25

My team has at least one dist. module with the same issues as described above by Kevin. He's right, inconsistant is the perfect way to describe it. Often, simply restarting the robot several times, or closing the app and turning the module off and back on fixes the issues related to non-detection of the hardware.

The error is always something USB-related, usually that the software can't find a motor controller. We've never had any issues with power, though.

Benjamin Ward, FTC Team 4592 Nuts & Bolts



AlecHub commented on Oct 29

Inconsistency is the nature of the race condition bug of the PDM reported here over two weeks ago.



TheOutlaws commented on Nov 2

And I am having troubles my team wants me to program the robot to go straight then turn and thiks is my first year doing android could I get a push in the right direction for this program

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