

## [EDIT]MSP430G2553 LaunchPad, Energia ERROR 0451:f432 ✓ Answered



CLAUDIO BARTOLO...

hi everyone, I got a problem with my MSP430 launchpad and Energia. When i try to upload the new sketch to my MCU, i got the following error :

"0451:f432 An error occurred while uploading the sketch"

i'm sure my MSP is connected with the usb cable included in the box, it is also connected to a COM port, and it is recognised by energia.

which will be the problem?

thank you for your support



CLAUDIO BARTOLO...



Ryan Brown1

This is most likely a connection issue, please refer to the following GitHub Wiki: [github.com/.../Common-error-messages](https://github.com/TI-ESD/energia/wiki/Common-error-messages)

Regards,  
Ryan





CLAUDIO BARTOLO...

In reply to Ryan Brown1:

thanks for your support. I have already seen that post but

You have selected the wrong serial port.

**I have only one serial port in my laptop**

Your launchpad is not connected to the USB.

**I'm pretty sure it is connected**

You are using a usb power cord, not a data cord.

**I used the data cable included in the launchpad**

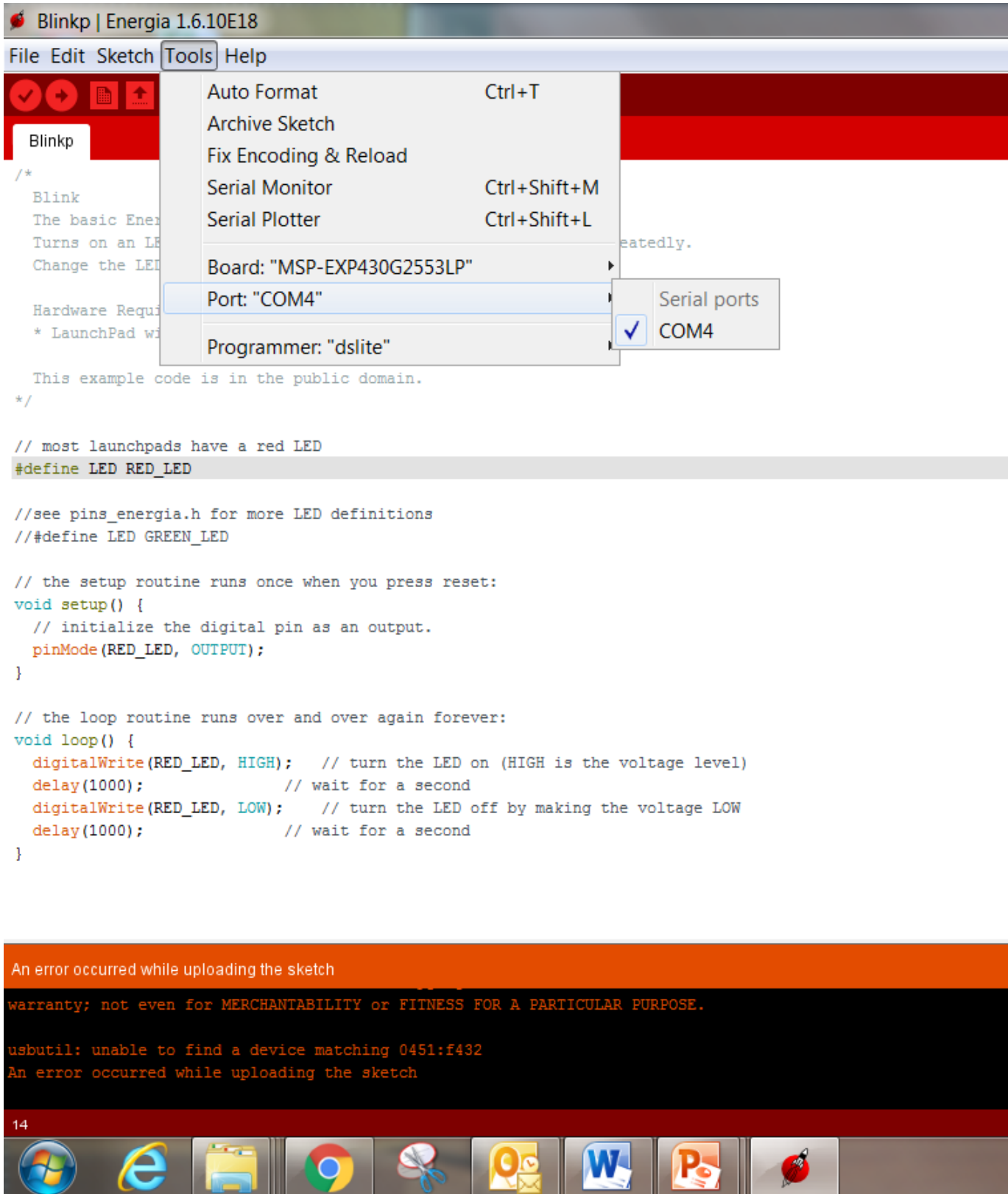
There is bug Mac OS X in the driver that caused the Launchpad to be disconnected. Unplug/plug the LaunchPad to make Mac OS X recognize it again. (if you have programmed the Launchpad with code that is writing out serial data, hold the reset button on the launchpad for a few seconds when you connect the usb...then your mac should be able to upload again).

**I'm working on a Win7 based laptop**

Note Energia will recognize your launchpad once it is connected to the usb. 2 extra lines will appear in the tools->Serial Port menu

**yes Energia recognize my launchpad and the two lines appear in the serial port menu, with the name of the right COM port**

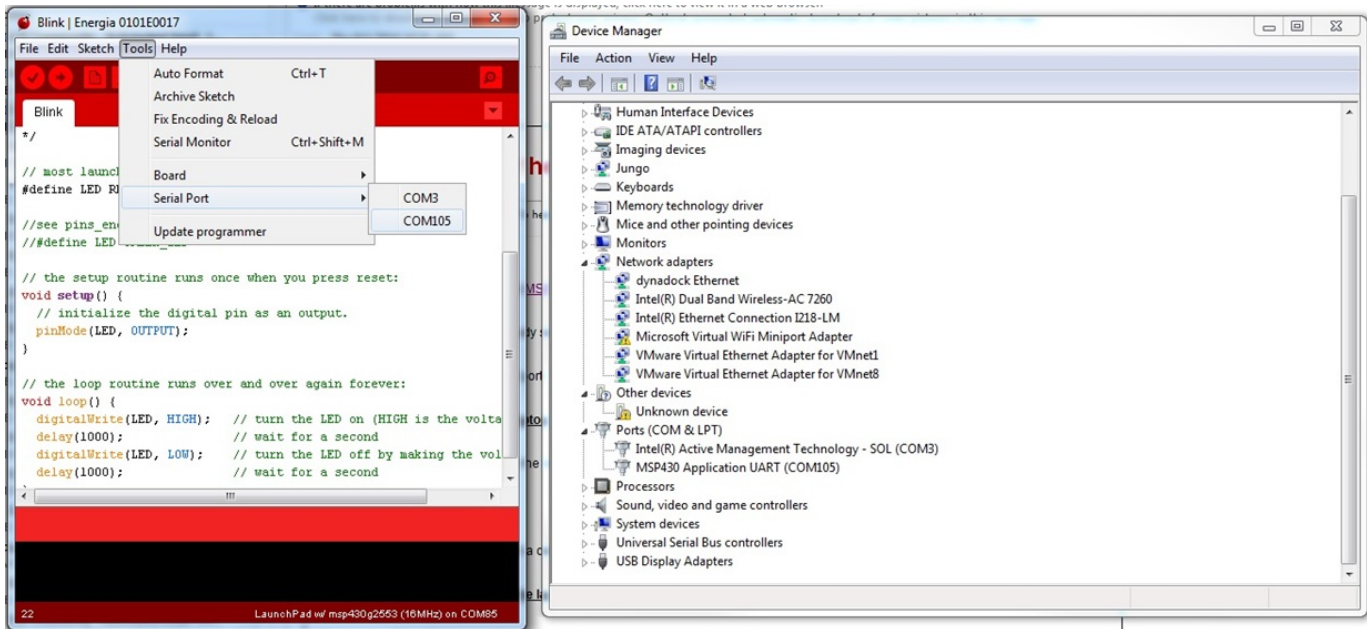
-  
-  
-





In reply to [CLAUDIO BARTOLOMEO](#):

Does your Device Manager appear as such?



If not then you might need to manually install the [MSP-EXP430G2](http://www.ti.com/lit/zip/slac524) driver: <http://www.ti.com/lit/zip/slac524>

Does the issue exist in earlier versions of [Energia](#)? I'm not having issues with E17.

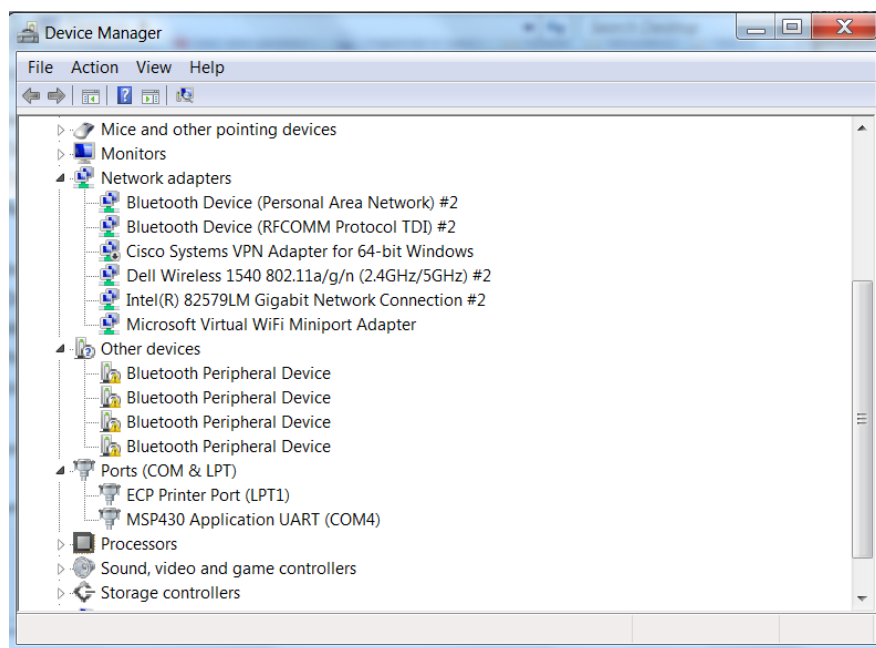
Regards, Ryan



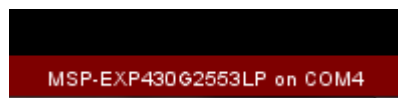
[CLAUDIO BARTOLO...](#)

In reply to [Ryan Brown1](#):

yes it appear in device manager.



but i notice that in my Energia on the right corner it doesn't appear as in your pic. maybe my energia doesn't recognise it as a launchpad ?



Ryan Brown1

In reply to CLAUDIO BARTOLOMEO:

This is because of the different Energia versions, as stated before I am using E17. However the fact that you are using a MSP430G2303 could be the issue as I am using a G2553 on my setup and believe that only the G2231, G2452, and G2553 variants are supported by Energia.

Regards,  
Ryan





CLAUDIO BARTOLO...

In reply to Ryan Brown1:

I thought you are right.

thank you for your support

Regards, Claudio



CLAUDIO BARTOLO...

In reply to Ryan Brown1:

I was wrong. Also my chip is a MSP430G2553. So it should it be compatible with Energia. I tried with CCS and it works. I have also tried with another usb cable, but i get the same error

I pasted the error messages. Maybe it could help you

Energia: 1.6.10E18 (Windows 7), Board: "MSP-EXP430G2553LP"

<command-line>:0:12: warning: missing whitespace after the macro name [enabled by default]

Sketch uses 760 bytes (4%) of program storage space. Maximum is 16,384 bytes.

Global variables use 20 bytes (3%) of dynamic memory, leaving 492 bytes for local variables. Maximum is 512 bytes.

MSPDebug version 0.22 - debugging tool for MSP430 MCUs

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warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

usbutil: unable to find a device matching 0451:f432

An error occurred while uploading the sketch

This report would have more information with  
"Show verbose output during compilation"  
option enabled in File -> Preferences.



CLAUDIO BARTOLO...

In reply to CLAUDIO BARTOLOMEO:

I found the solution. I downloaded the E17 and it works. I think it was a bug of the E18.

Thank you so much for your help and support



Robert Wessels

In reply to CLAUDIO BARTOLOMEO:

This is an issue with the mspdebug package for Energia 18 under windows. There is a workaround posted in this thread:

[Energia-1.6.10R18 Windows 7 LaunchPad MSP430G2553 don't load sketch - Energia - MSP 430h](#)



[Energia-1.6.10R18 Windows 7 LaunchPad MSP430G2553 don't load sketch - posted in Energia - MSP: Energia-1.6.10R18 Windows 7 32-bit LaunchPad MSP-EXP430G2 with MSP430G2553 chip I get error when load link sketch: usbutil: unable to find a device matching 0451:f432 and before many messages: warning...](#)

I will be releasing an updated MSP430 package in a week or so that addresses this issue. In the meantime, I would suggest using the work-around posted in the link above.



Nazri Nasir

In reply to Robert Wessels:

I use the latest version of Energia, i.e Energia 18. If you follow this step exactly it will work as usual.

- 1, copy <energia directory>\hardware\tools\DSLite\DebugServer\drivers\MSP430.dll to <energia directory>\hardware\tools\msp430\bin\
2. edit <energia directory>\hardware\energia\msp430\boards.txt and change the 2 occurrences of rf2500 with tilib
3. restart energia and you should be able to upload to the MSP-EXP430G2 with MSP430G2553.

M Nazri M Nasir, BEng(Electronics and Computer, Birmingham, UK), MCP (Microsoft Certified Profesional)