

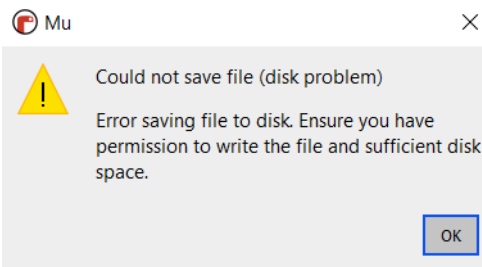
Instructions on using your Circuit Playground Express (CPE)

Page 1 – general process for using CPE

Page 2 – specific steps for changing mode, changing code, and running code

General process for using Circuit Playground Express:

1. Flick your switch
2. Press the reset button
3. IF you see a **yellow light** flash a couple of times:
 - a. Circuit Playground Express (CPE) is in **WRITE** mode.
 - b. This is the mode for editing your code. Go to MU editor, make the changes you want to make, and press 'Save'. You may see the yellow light flash when the file is saving.
 - c. If it does not let you 'Save' and you get the below error message, it means your Circuit Playground is still considered to be in READ mode – try repeating steps 1 and 2 and checking the colour of light you get:



4. IF you see blue light (or **blue light** and **green light**):
 - a. Circuit Playground Express (CPE) is in **READ** mode.
 - b. This is the mode for running your code. You cannot change your code in this mode.
 - c. As soon as your blue/green lights are on, your code is running. This means the sensor is running and the data is logging!
 - d. Two ways to stop the code:
 - i. Flip the switch back to WRITE mode and hit the reset button
 - ii. Let the code run until its time runs out (default setting from the original code should be 1 hour)

See below for a break-down of specific steps for:

1. Changing mode
2. Changing code
3. Running code

Procedure 1: Changing Mode

1. Flip switch
2. Hit reset button
3. Check to ensure lights flash or turn on (either yellow or blue/green)
 - a. Yellow (flashing) = **WRITE MODE**
 - b. Blue/green (on) = **READ MODE**

Procedure 2: Changing Code

1. Make sure you are in WRITE mode
2. Go into Mu editor
3. Change your code
4. Hit 'Save'

NOTE: If you want to log data, make sure you have uncommented the bottom line of code in boot.py – you don't need to uncomment the second last line.

Procedure 3: Running Code

1. Make sure you are in READ mode
2. Check blue/green lights are on – if lights are on, that means code is running
3. Place Circuit Playground Express where you want it for sensing purposes (e.g. in fridge)
4. Two ways to stop the code:
 - a. Flip the switch back to WRITE mode and hit the reset button
 - b. Let the code run until its time runs out (default setting from the original code should be 1 hour)