

th_png2mks How To :

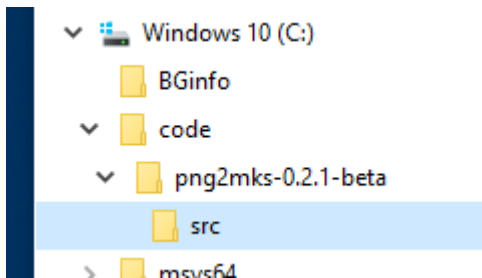
1. Compile th_png2mks

Windows:

You can download the file from [github repository](#) but then Windows Defender will probably go ape, accusing me of virus spreading, World War III and plotting an alien invasion. So, for my own sake, let's compile it.

First – get the source (from [github repository](#)) and unpack it to C: or any other folder You choose (no spaces inside name, please...)

Let it be : **c:\code**



Remember this location.

Install MSYS2 (<https://www.msys2.org>) then install mingw-w64 (points 1 - 7. from the link :) Do not close window (if You did, open "MSYS2 MINGW64").



Change directory to 'src' :

```

M /c/code/png2mks-0.2.1-beta/src
IEUser@MSEDGEWIN10 MINGW64 ~
$ cd /c/code/png2mks-0.2.1-beta/src/

IEUser@MSEDGEWIN10 MINGW64 /c/code/png2mks-0.2.1-beta/src
$ ls
CMakeLists.txt  install  main.cpp  picopng.cpp

IEUser@MSEDGEWIN10 MINGW64 /c/code/png2mks-0.2.1-beta/src
$ |
```

Directory may differ.
Use TAB button for autocompletion.

Time to compile the program.

```
IEUser@MSEdgeWIN10 MINGW64 /c/code/png2mks-0.2.1-beta/src
$ cat install
To compile this program just type :

    g++ picopng.cpp main.cpp -std=c++17 -O2 -o th_png2mks
or
    g++ picopng.cpp main.cpp -std=c++17 -O2 -o th_png2mks -static

IEUser@MSEdgeWIN10 MINGW64 /c/code/png2mks-0.2.1-beta/src
$

IEUser@MSEdgeWIN10 MINGW64 /c/code/png2mks-0.2.1-beta/src
$ g++ picopng.cpp main.cpp -std=c++17 -O2 -o th_png2mks -static

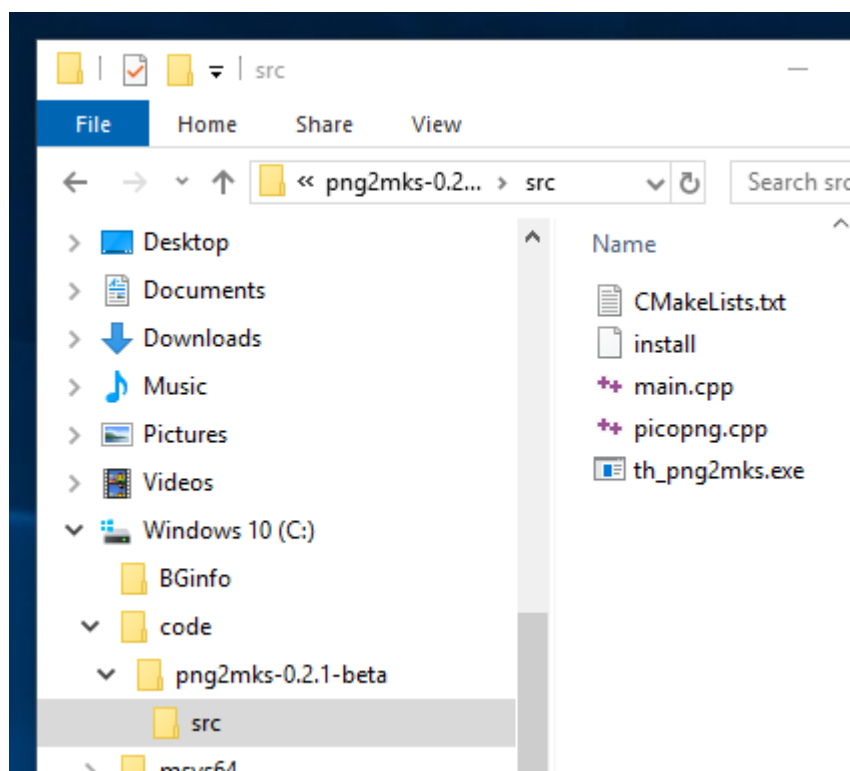
IEUser@MSEdgeWIN10 MINGW64 /c/code/png2mks-0.2.1-beta/src
$ ls -l
total 3330
-rw-r--r-- 1 IEUser None      418 Oct  5 12:23 CMakeLists.txt
-rw-r--r-- 1 IEUser None      168 Oct  4 12:51 install
-rw-r--r-- 1 IEUser None     6704 Oct  4 12:51 main.cpp
-rw-r--r-- 1 IEUser None    35469 Oct  4 12:51 picopng.cpp
-rwxr-xr-x 1 IEUser None 3360029 Oct  5 13:49 th_png2mks.exe

IEUser@MSEdgeWIN10 MINGW64 /c/code/png2mks-0.2.1-beta/src
$
```

(You can use left mouse button to select & copy, right to context menu / paste)

Close window.

Now, You can open 'src' directory and copy 'th_png2mks.exe' to other, more convenient place.
([c:\code](#) in my case)



Linux:

- download source (link as above) and unpack it to directory of Your choice (ex. /tmp)
- check if gcc is installed , if not – install it (quick check – open terminal & type 'gcc -version')
- open terminal, go to the unpacked 'src' directory and compile program (screen as above)
- copy "th_png2mks" to chosen directory (ex. ~/.local/bin)

2. Configure PrusaSlicer / SuperSlicer

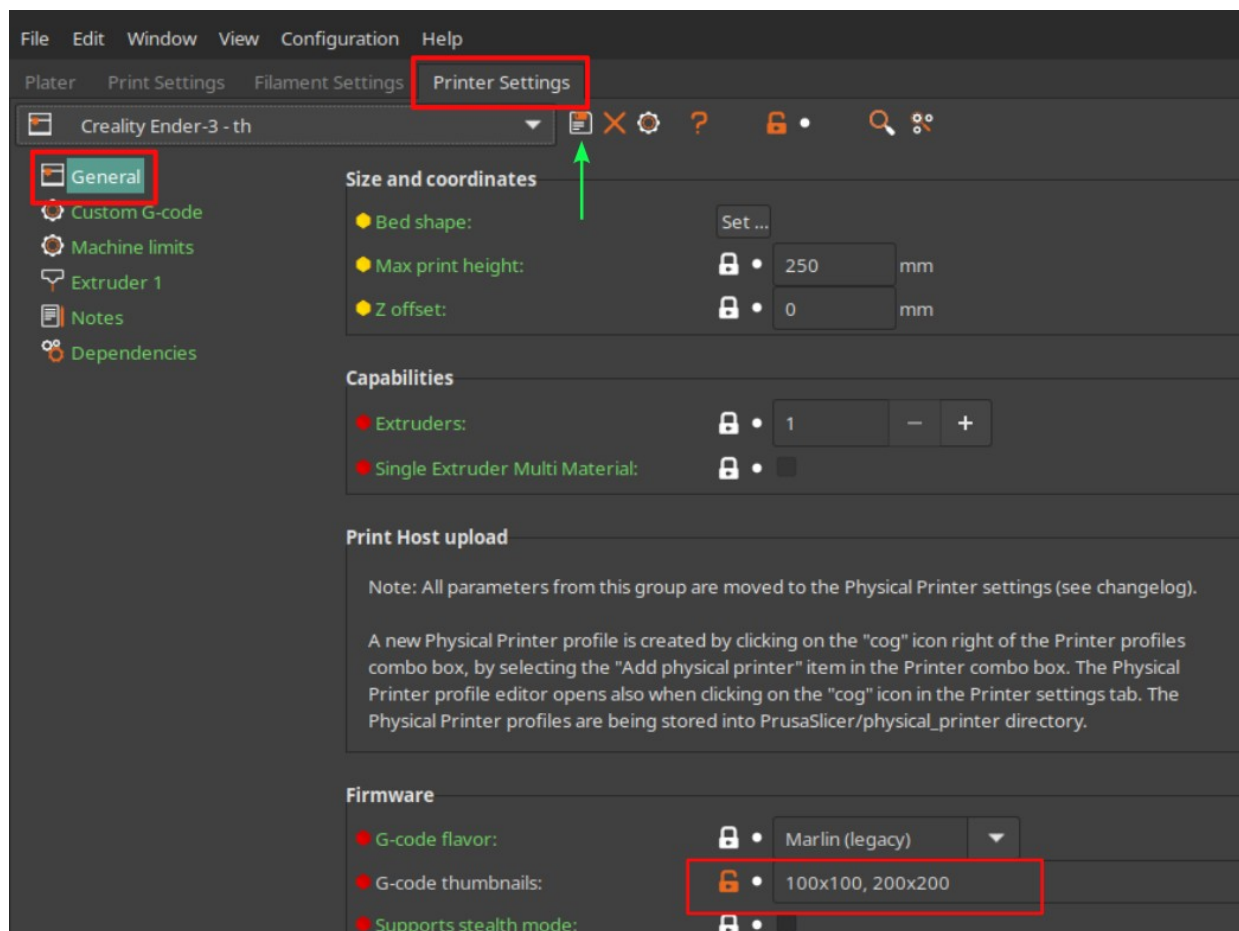
Both Prusa and Superslicer wont allow to modify build-in profiles.
Modify Your own profiles, or create new copies.

Open slicer.

Printer Settings / General / Firmware / G-Code thumbnails :

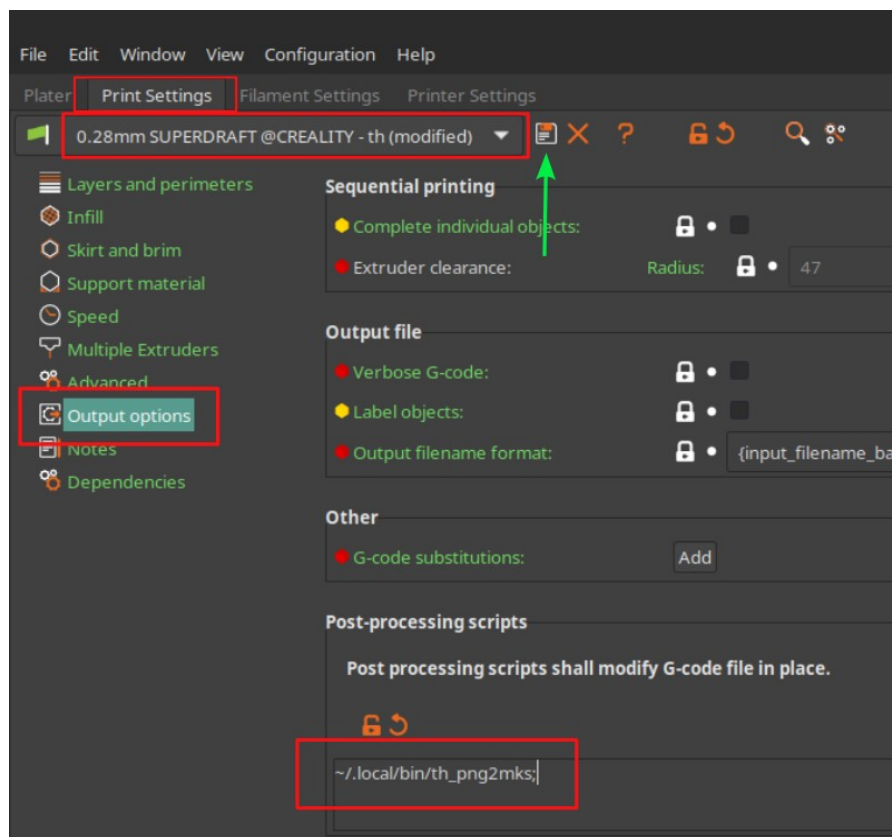
Type "100x100, 200x200"

Then click 'Save' (and type name of new profile if this is built-in configuration)



Print Settings / Output options / Post-processing script:

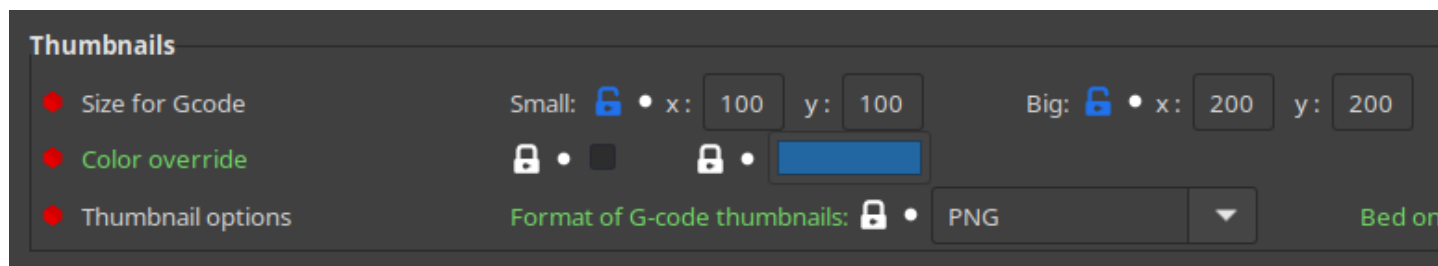
For EVERY printing profile, set this field to path to the compiled program, ex. 'C:\code\th_png2mks.exe' (Windows) or '~/.local/bin/th_png2mks' (Linux) then click 'save' button to save modified profile (and create new one if this is built-in configuration).



SuperSlicer :

Printer Settings / General / Thumbnails:

configure as shown here, then click save (optionally creating new profile)



Print Settings / Output options / Post-processing script:

see PrusaSlicer