





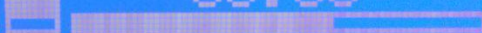
Lays Rodrigues



# #The Problem



Informações ↑  
Ajustar →  
Controle →  
Pausar impressão  
Parar impressão

240° 105°   
 <<<  
240° 106°  
X 113 Y 107 Z 2.48  
100%  00:55  
[www.3DTecnologia.com](http://www.3DTecnologia.com)

How it is

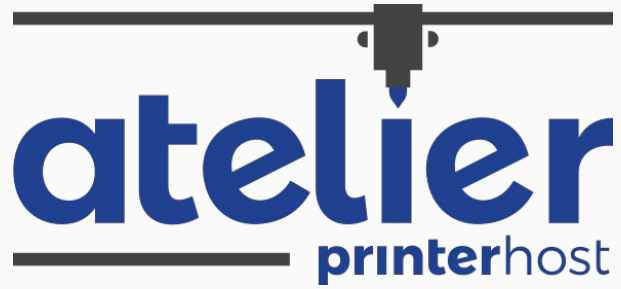
# GCode

```
M190 S110.000005
M109 S220.000001
;M190 S110 ;Uncomment to add your own bed temperature
line
;M109 S220 ;Uncomment to add your own temperature line
G21 ;metric values
G90 ;absolute positioning
M82 ;set extruder to absolute mode
M107 ;start with the fan off
G28 X0 Y0 ;move X/Y to min endstops
G28 Z0 ;move Z to min endstops
G1 Z15.0 F9000 ;move the platform down 15mm
G32 S1 ; bed auto-leveling (BAL) type 1
G92 E0 ;zero the extruded length
G1 F200 E3 ;extrude 3mm of feed stock
G92 E0 ;zero the extruded length again
G1 F9000
;Put printing message on LCD screen
M117 Printing...
;Layer count: 127
;LAYER:0
```



#The Solution





Library that  
abstracts the serial  
communication and  
control the printer

Written in pure  
Qt

Supports most  
of Open Source  
Firmwares

Independent of  
Interface/UI -  
**Also supports  
QML!**

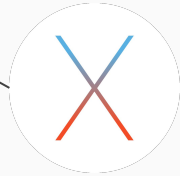
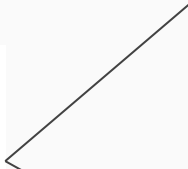




#Demo



# Continuous Integration



# 2 years of Atelier

- AtCore 1.0 Release Stats
  - More than 100 downloads
  - 50 of them for Windows
  - 44 for the AppImage
  - 6 Os X
- AtCore - 698 Commits
- Atelier - 455 Commits

# Questions?



# Atelier BoF

**Wednesday from 10:30 to 12:30 - Room 125**

- Hacking
- Discuss Improvements
- Web Layer for AtCore
- QML Ui for Embedded Devices

# Atelier Channels

IRC Freenode: #kde-atelier

Telegram Group: @KDEAtelier

Website: [atelier.kde.org](https://atelier.kde.org)

# \$whoami



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lays147