Support

If my work supports you, please support me too:
• PayPal: https://www.paypal.com/paypalme/Morgennebel/

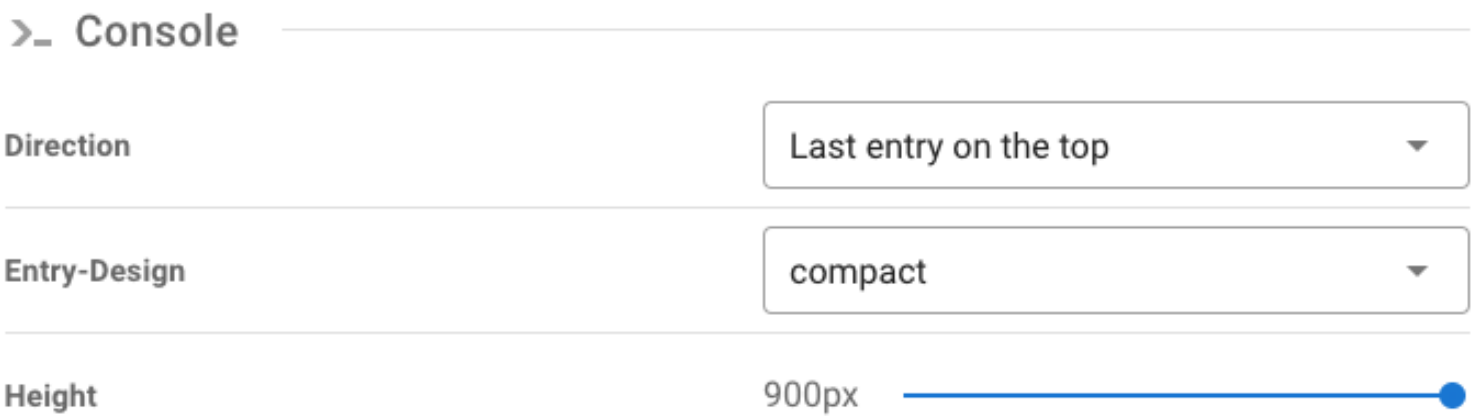
When you buy something, please use my Referral-Link, at no additional cost:
• AliExpress: https://s.click.aliexpress.com/e/_De0Vu1h
• Amazon: https://amzn.to/3L35OX2

Thank you!
Christian 🙂

Make the Console larger

Some KPA-buttons have longer Help text. To reduce scrolling in the Console you can enlarge the Console panel.

• Open **Mainsail's Preferences --> Console**, and raise the Height slider:

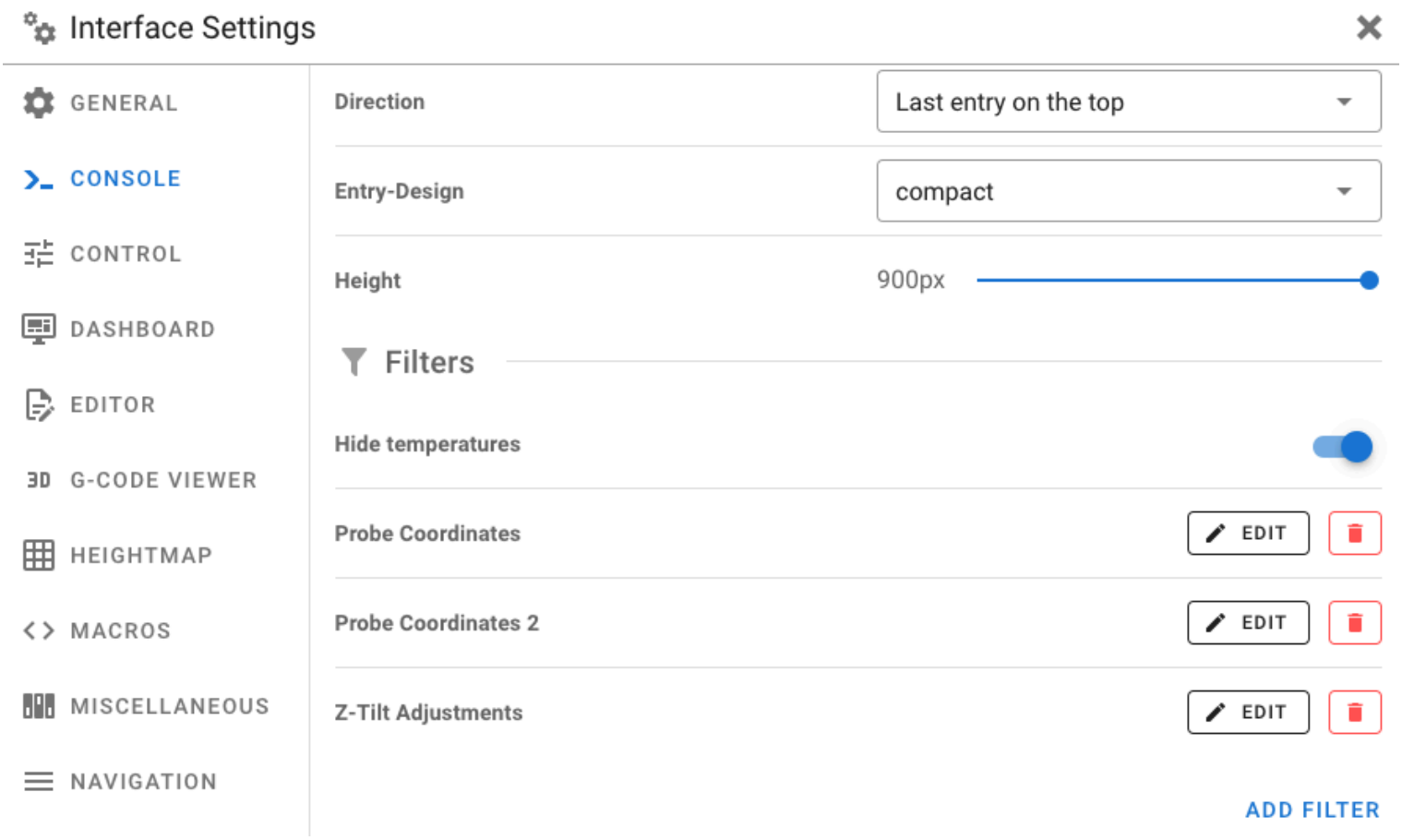


Cleaner Console Output

If you don't want to have your Console output flooded with all the single entries from the probing of Bed Mesh / Z-Tilt...

```
16:47 255 | (-16.0, 224.9) | (11.0, 204.9)
16:47 254 | (-2.7, 224.9) | (24.3, 204.9)
16:47 253 | (10.5, 224.9) | (37.5, 204.9)
16:47 252 | (23.8, 224.9) | (50.8, 204.9)
16:47 251 | (37.0, 224.9) | (64.0, 204.9)
16:47 250 | (50.3, 224.9) | (77.3, 204.9)
16:47 249 | (63.6, 224.9) | (90.6, 204.9)
16:47 248 | (76.8, 224.9) | (103.8, 204.9)
16:47 247 | (90.1, 224.9) | (117.1, 204.9)
16:47 246 | (103.3, 224.9) | (130.3, 204.9)
16:47 245 | (116.6, 224.9) | (143.6, 204.9)
16:47 244 | (129.9, 224.9) | (156.9, 204.9)
16:47 243 | (143.1, 224.9) | (170.1, 204.9)
16:47 242 | (156.4, 224.9) | (183.4, 204.9)
16:47 241 | (169.6, 224.9) | (196.6, 204.9)
16:47 240 | (182.9, 224.9) | (209.9, 204.9)
16:47 239 | (182.9, 212.0) | (209.9, 192.0)
16:47 238 | (169.6, 212.0) | (196.6, 192.0)
16:47 237 | (156.4, 212.0) | (183.4, 192.0)
16:47 236 | (143.1, 212.0) | (170.1, 192.0)
16:47 235 | (129.9, 212.0) | (156.9, 192.0)
16:47 234 | (116.6, 212.0) | (143.6, 192.0)
```

- Open **Mainsail's Preferences --> Console**:



• Click "Add Filter":
• Name it "**Probe Coordinates**".
• In the RegEx field, copy & paste the following:
.* \| (.*) \| (.*)

• Click "Store Filter".

• Create another Filter, named "**Probe Coordinates 2**".
• In the RegEx field, copy & paste the following:
probe at .* is z=.*

• Click "Store Filter".

• Create another Filter, named "**Z-Tilt Adjustments**".
• In the RegEx field, copy & paste the following:
Making the following Z adjustments.*

• Click "Store Filter".

Now you only get the interesting stuff, like this for the Z-Tilt adjustment attempts, and bed mesh:

17:00 Mesh Bed Leveling Complete

16:58 Generating new points...

16:58 Homing Z...

16:58 Retries: 4/50 Probed points range: 0.002500 tolerance: 0.002500

16:58 Retries: 3/50 Probed points range: 0.003750 tolerance: 0.002500

16:58 Probe samples exceed tolerance. Retrying...

16:58 Retries: 2/50 Probed points range: 0.007500 tolerance: 0.002500

16:57 Retries: 1/50 Probed points range: 0.007500 tolerance: 0.002500

16:57 Retries: 0/50 Probed points range: 0.018750 tolerance: 0.002500

16:57 Z-Tilt...

16:57 Creating bed mesh...
....Bed Temperature: 20°C
...Gantry Calibrate: ON
Mesh Probe Points X: 7
Mesh Probe Points Y: 7
.....Name: Mesh_GAC_020_7x7

Speed heating the bed...

If you want to shave the "Shutdown due to webhooks request" messages to a minimum:

- Create another Filter, named "**Shutdown due to webhooks request**".
- In the RegEx field, copy & paste the following:

Shutdown due to webhooks request.*\r?\n.*Once.*

- Click "Store Filter".

```
20:26 Klipper Printer Additions v3.0a1

      USING THE KPA BUTTONS
      • First click: Shows the Button's Status in the Console.
      • Further clicks within 5 seconds: Change Mode, or other
      Actions.

      Module loaded:
      --------------
      Bed Mesh Area
      Bed Mesh Multiple
      Pre-Print
      Pre-Print Prime
      Print : Pause In Heights v1.0b1
      Print : Slow In Height v1.0b3
      Slicer: OrcaSlicer
      Tools : Calibration / Preparation 1.0b1
      Tools : Speed Heat Buttons
      ----- PRINTER Modules -----
      Sovol SV07 CPU Fans v1.0b4
      Sovol SV07 Extra Features
      Sovol SV07 Hotend Fan 1.0b4
      Sovol SV07 Part Fans
      Always only enable PRINTER modules which are for your
      printer model!
20:26 Klipper state: Disconnect
20:26 FIRMWARE_RESTART
20:26 Shutdown due to webhooks request
20:26 Shutdown due to webhooks request
20:26 Klipper state: Shutdown
```