

*Cancel print

button/Funktion geht nicht

Dieses Makro in eurer **mainsail.cfg** tauschen und in den Settings den "cancel print button" an machen.

Makros

```
[gcode_macro CANCEL_PRINT]
```

```
description: Bricht den aktuellen Druck ab
```

```
rename_existing: CANCEL_PRINT_BASE
```

```
variable_park: True
```

```
gcode:
```

```
## Move head and retract only if not already in the pause state and park set to true
```

```
{% if printer.pause_resume.is_paused|lower == 'false' and park|lower == 'true'%}
```

```
_TOOLHEAD_PARK_PAUSE_CANCEL
```

```
{% endif %}
```

```
TURN_OFF_HEATERS
```

```
CANCEL_PRINT_BASE
```

```
#####
```

```
####
```

```
# Druckkop Parkbefehl
```

```
#####
```

```
####
```

```
[gcode_macro _TOOLHEAD_PARK_PAUSE_CANCEL]
```

```
description: Helper: Parkposition im PAUSE and CANCEL_PRINT
```

```
variable_extrude: 1.0
```

```
gcode:
```

```
#### set park positon for x and y ####
```

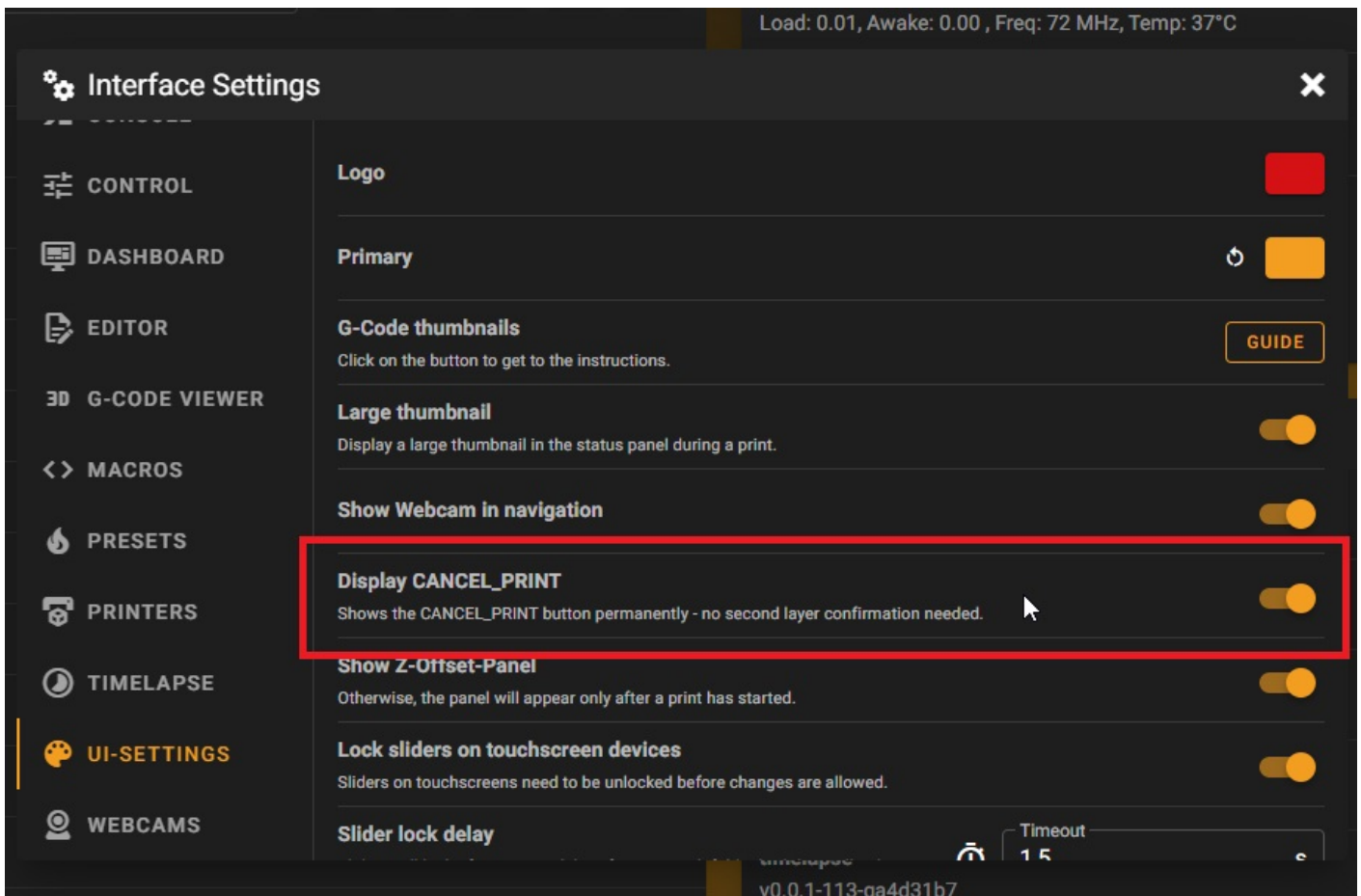
```
# default is your max posion from your printer.cfg
```

```
{% set x_park = printer.toolhead.axis_maximum.x|float - 5.0 %}
```

```

{% set y_park = printer.toolhead.axis_maximum.y|float - 5.0 %}
{% set z_park_delta = 2.0 %}
##### calculate save lift position #####
{% set max_z = printer.toolhead.axis_maximum.z|float %}
{% set act_z = printer.toolhead.position.z|float %}
{% if act_z < (max_z - z_park_delta) %}
    {% set z_safe = z_park_delta %}
{% else %}
    {% set z_safe = max_z - act_z %}
{% endif %}
##### end of definitions #####
{% if printer.extruder.can_extrude|lower == 'true' %}
    M83
    G1 E-{{extrude}} F2100
    {% if printer.gcode_move.absolute_extrude |lower == 'true' %} M82 {% endif %}
{% else %}
    {action_respond_info("Extruder not hot enough")}
{% endif %}
{% if "xyz" in printer.toolhead.homed_axes %}
    G91
    G1 Z5 F900
    G90
    G1 X{{x_park}} Y{{y_park}} F6000
    {% if printer.gcode_move.absolute_coordinates|lower == 'false' %} G91 {% endif %}
{% else %}
    {action_respond_info("Printer not homed")}
{% endif %}

```



Zusätzliche Makros

Druckpause

```
#####
#####
# Druckpause
#####
#####

[gcode_macro PAUSE]
description: Pausiert den aktuellen Druck
rename_existing: PAUSE_BASE
# change this if you need more or less extrusion
variable_extrude: 1.0
gcode:
    ##### read E from pause macro #####
    {% set E = printer["gcode_macro PAUSE"].extrude|float %}
    ##### set park position for x and y #####
    # default is your max position from your printer.cfg
```

```

{% set x_park = printer.toolhead.axis_maximum.x|float - 5.0 %}
{% set y_park = printer.toolhead.axis_maximum.y|float - 5.0 %}
##### calculate save lift position #####
{% set max_z = printer.toolhead.axis_maximum.z|float %}
{% set act_z = printer.toolhead.position.z|float %}
{% if act_z < (max_z - 2.0) %}
    {% set z_safe = 2.0 %}
{% else %}
    {% set z_safe = max_z - act_z %}
{% endif %}
{%set min_extrude_temp = printer.configfile.settings["extruder"]["min_extrude_temp"]|int %}
{%set act_extrude_temp = printer.extruder.temperature|int %}
##### end of definitions #####
PAUSE_BASE
G91
{% if act_extrude_temp > min_extrude_temp %}
    G1 E-{E} F2100
{% else %}
    {action_respond_info("Extruder not hot enough")}
{% endif %}
{% if "xyz" in printer.toolhead.homed_axes %}
    G1 Z{z_safe} F900
    G90
    G1 X{x_park} Y{y_park} F6000
{% else %}
    {action_respond_info("Printer not homed")}
{% endif %}

```

End Print

```

#####
# END PRINT          #
#####

```

[gcode_macro END_PRINT]

description: All what needs to be done at print end

gcode:

M117 Turn off Heaters

```

TURN_OFF_HEATERS          ; Turn off bed and nozzle
G91                        ; Relative positioning
SET_GCODE_OFFSET Z_ADJUST=+0.06
M117 Retract
G1 E-1 F3000              ; Retract
G1 X-0.5 Y-0.5 Z20 E-5    ; Move a bit and retract filament even more
G90                        ; Absolute positioning
G1 X0 Y180 Z35 F2200      ; Move bed to front
M107                       ; Turn off part fan
M84                        ; Steppers off
G90                        ; Absolute positioning
M117 Print done           ; Send finish to display

```

Druckwiederaufnahme

```

#####
####
# Druckwiederaufnahme
#####
####

[gcode_macro RESUME]
description: Setzt den aktuellen Druck fort
rename_existing: RESUME_BASE
gcode:
    ##### read E from pause macro #####
    {% set E = printer["gcode_macro PAUSE"].extrude|float %}
    {%set min_extrude_temp = printer.configfile.settings["extruder"]["min_extrude_temp"]|int %}
    {%set act_extrude_temp = printer.extruder.temperature|int %}
    ##### get VELOCITY parameter if specified #####
    {% if 'VELOCITY' in params|upper %}
        {% set get_params = ('VELOCITY=' + params.VELOCITY) %}
    {%else %}
        {% set get_params = "" %}
    {% endif %}
    ##### end of definitions #####
    {% if act_extrude_temp > min_extrude_temp %}
        G91

```

```
G1 E{E} F2100
```

```
{% else %}
```

```
{action_respond_info("Extruder not hot enough")}
```

```
{% endif %}
```

```
RESUME_BASE {get_params}
```

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