Duet Web Control 3.4.1

Board: Duet 2 WiFi (2WiFi)  
Firmware: RepRapFirmware for Duet 2 WiFi/Ethernet 3.3 (2021-06-15)  
Duet WiFi Server Version: 1.26

; Configuration file for Duet WiFi (firmware version 3)

; executed by the firmware on start-up

;

; generated by RepRapFirmware Configuration Tool v3.3.10 on Thu Mar 31 2022 20:55:29 GMT-0400 (Eastern Daylight Time)

; General preferences

M575 P1 S1 B57600 ; enable support for PanelDue

G90 ; send absolute coordinates...

M83 ; ...but relative extruder moves

M550 P"Jim's Ender 3" ; set printer name

M918 P1 E4 F2000000 ; configure direct-connect display

; Network

M552 S1 ; enable network

M586 P0 S1 ; enable HTTP

M586 P1 S0 ; disable FTP

M586 P2 S0 ; disable Telnet

; Drives

M569 P0 S0 ; physical drive 0 goes backwards

M569 P1 S0 ; physical drive 1 goes backwards

M569 P2 S1 ; physical drive 2 goes forwards

M569 P3 S0 ; physical drive 3 goes backwards

M584 X0 Y1 Z2 E3 ; set drive mapping

M350 X16 Y16 Z16 E16 I1 ; configure microstepping with interpolation

M92 X80.00 Y80.00 Z410.00 E96.52 ; set steps per mm

M566 X1200.00 Y1200.00 Z24.00 E300.00 ; set maximum instantaneous speed changes (mm/min)

M203 X9000.00 Y9000.00 Z180.00 E6000.00 ; set maximum speeds (mm/min)

M201 X500.00 Y500.00 Z100.00 E5000.00 ; set accelerations (mm/s^2)

M906 X800 Y800 Z800 E1000 I50 ; set motor currents (mA) and motor idle factor in per cent

M84 S30 ; Set idle timeout

; Axis Limits

M208 X0 Y0 Z0 S1 ; set axis minima

M208 X235 Y235 Z250 S0 ; set axis maxima

; Endstops

M574 X1 S1 P"xstop" ; configure switch-type (e.g. microswitch) endstop for low end on X via pin xstop

M574 Y1 S1 P"ystop" ; configure switch-type (e.g. microswitch) endstop for low end on Y via pin ystop

M574 Z1 S1 P"zstop" ; configure switch-type (e.g. microswitch) endstop for low end on Z via pin zstop

; Z-Probe

M558 P0 H5 F120 T6000 ; disable Z probe but set dive height, probe speed and travel speed

M557 X15:215 Y15:195 S20 ; define mesh grid

; Heaters

M308 S0 P"bedtemp" Y"thermistor" T100000 B4092 ; configure sensor 0 as thermistor on pin bedtemp

M950 H0 C"bedheat" T0 ; create bed heater output on bedheat and map it to sensor 0

M307 H0 B0 R0.322 C573.0 D3.30 S1.00 V23.7 ; heater 0, DISABLE BANG-BANG, heating rate 0.322, cooling time constant 573.0, dead time 3.30, max PWM 1.00, calibration voltage 23.7

M140 H0 ; map heated bed to heater 0

M143 H0 S120 ; set temperature limit for heater 0 to 150C

M308 S1 P"e0temp" Y"thermistor" T100000 B4725 C7.06e-8 ; configure sensor 1 as thermistor on pin e0temp

M950 H1 C"e0heat" T1 ; create nozzle heater output on e0heat and map it to sensor 1

M307 H1 B0 R2.230 C226.6 D6.69 S1.00 V24.0 ; heater 1, DISABLE BANG-BANG, heating rate 2.230, cooling time constant 226.6, dead time 6.69, max PWM 1.00, calibration voltage 24.0

M143 H1 S275 ; set temperature limit for heater 1 to 275C

; Fans

M950 F0 C"Fan0" Q500 ; create Parts Cooling fan 0 on pin fan0 and set its frequency

M106 P0 C"Parts Cooling" S0 H-1 ; set fan 0 value. Thermostatic control is turned off

M950 F1 C"Fan1" Q500 ; create Hot End Cooling Fan on pin fan1 and set its frequency

M106 P1 C"Hot End" S1.0 L1 H1 T45 ; set fan 1 value. Thermostatic control is turned on

M950 F2 C"Fan2" Q500 ; create CPU Case Fan on pin fan2 and set its frequency

M106 P2 C"CPU Case Fan Fan 2" S1 H-1 ; set fan 2 value. Thermostatic control is turned off

; Tools

M563 P0 S"Hot End" D0 H1 F1 ; define tool 0

G10 P0 X0 Y0 Z0 ; set tool 0 axis offsets

G10 P0 R0 S0 ; set initial tool 0 active and standby temperatures to 0C

; Custom settings are not defined

; Miscellaneous

M140 S0

M911 S10 R11 P"M913 X0 Y0 G91 M83 G1 Z3 E-5 F1000" ; set voltage thresholds and actions to run on power loss

T0 ; select first tool