SeeMeCNC Guides

DUET Change Stepper Motor Steps/mm

Written By: SeeMeCNC

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beu	active	20.2 0		100		Drives	n/a		9040.6		
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Step 1 — Open config.g

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- 1. Put your printer's IP address into the command bar on your browser to open the Duet web interface
- 2. Go to Settings, then System Editor
- 3. Click on config.g

Step 2 — Edit config.g for your steps/mm 1.8 Degree Steppers

Editing 0./sys/coning.g			×
M550 PArtemis	; Printer name		
MSSS P2	; Repetier Output		
M552 S1	; Enable Wifi		
M575 P1 857600 S1	; PanelDue Comm Setup		
621	; Work in millimetres		
690	; Send absolute coordinates		
M569 P0 S0	; Drive 0 goes forwards (X)		
M569 P1 50	; Drive 1 goes forwards (Y)		
M569 P2 50	; Drive 2 goes forwards (Z)		
M569 P3 51	; Drive 3 goes forwards (E0)		
M569 P4 51	; Drive 4 goes forwards (E1)		
M574 X2 Y2 Z2 S1	; set endstop configuration (all endstops at	high end, active high)	
M665 R150 L351.155 B145 H540 X0 Y0 Z0	; delta radius, diagonal rod length, printab	le radius and homed height	
	; Y X Z are tower angle offsets		
M666 X0 Y0 Z0	; endstop offsets in mm		
M350 X16 Y16 Z16 E16:16 I1	; Set 16x microstepping w/ Interpolation		
M92 X200 Y200 Z200	; Set axis steps/mm		
M92 E182.0:182.0	; Set extruder steps/mm		
M906 X1000 . 00 Z1000 8 00:1500 I50	; Set motor currents (mA) and idle current %		
M201 X5000 Y58 Z5000 E508	; Accelerations (mm/s^2)		
M203 X30000 Y300 Z30000 E300 0	; Maximum speeds (mm/min)		
M566 X2000 Y2000 21 00 E2000	; Maximum instant speed changes mm/minute		
M106 P0 H-1	; Part Cooling Fan		
M106 P2 T50 50.5 H1	; Heat sink fan		
мзет не ве	; Heated Bed (H2)		
M305 P0 T100000 E4388 R4700 H30 L0	; Bed thermistor		
M305 P1 T100000 84388 R4700 H30 L0	; Hot end Thermistor		
M563 P0 D0 H1	; Hot end (T0), drive (E0), heater (H1)		-

- These are the values for 1.8 degree stepper motors otherwise skip to Step 3
- Change values of these two lines starting with "M92"
- 1.8 degree stepper and 20 tooth pulley settings:
 - M92 X80 Y80 Z80
 - M92 E91.0:91.0
- 1.8 Degree stepper and 16 tooth pulley settings:
 - M92 X100 Y100 Z100
 - M92 E91.0:91.0

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Step 3 — Edit config.g for your steps/mm 0.9 Degree Steppers



These are the values for 0.9 degree stepper motors.

- Change values of these two lines starting with "M92"
- 0.9 degree stepper and 20 tooth pulley settings:
 - M92 X160 Y160 Z160
 - M92 E182.0:182.0
- 0.9 Degree stepper and 16 tooth pulley settings:
 - M92 X200 Y200 Z200
 - M92 E182.0:182.0

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