

<u>Little Monster Auto-configuration Procedure</u>

Auto-calibration procedure is already implemented in the motherboard and available via the TFT screen. However, here's the GCODE sequence behind that feature.

M280 PS3; Set BLTouch to probing position (light on, pin out) M190 S80; Wait until Bed temperature to 80°C

G32; Z-Plane probing and calculation

G31; Dock Z Probe sled M374; Save Calibration Grid M500; Save firmware

M280 PS7; Set BLTouch to idle position (light off, pin in)

G28; Homing

M140 S0; Set Bed temperature to 0 (actually turn it off)



Little Monster Starting script for Simplify3D

M280 PS3; Set BLTouch to probing position (light on, pin out)

G28; Homing G1 Z50 F25000; G30 Z2.0; Define offset beween nozzle and BLTouch (*)

M280 PS7; Set BLTouch to idle position (light off, pin in) **G1 X0 Y0 Z100**;

M140 S0; Set Bed temperature to 0 (actually turn it off)

- (*) G30 Z2.0 indicate BLTouch trigger point is 2mm below nozzle tip. Please adjust this value according to the first layer print result: - Increase this value will lower nozzle closer to bed. (Example: G30 Z2.0 to G30 Z2.2)
- Decrease this value will lift nozzle away from bed. (Example: G30 Z2.0 to G30 Z1.8)

G92 E0; Reset Extruder

<u>Little Monster Stopping script for Simplify3D</u>

G1 E-8.0 F9000; Retract filament M104 F0; Set Extruder temperature to 0

G28; Home axis (hopefully on top for Delta printer)

M84; Disable motors (**)

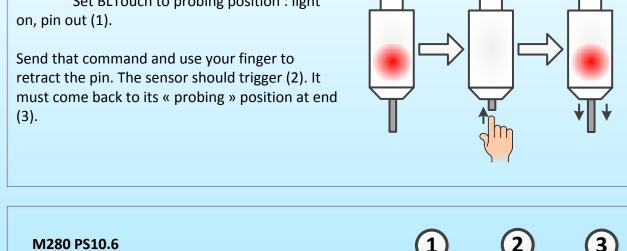
(**) Ensure all your carriages are tightened enough so the print-head does not fall down once stepper motors are off. Otherwise you will see that head crashing on your prints.

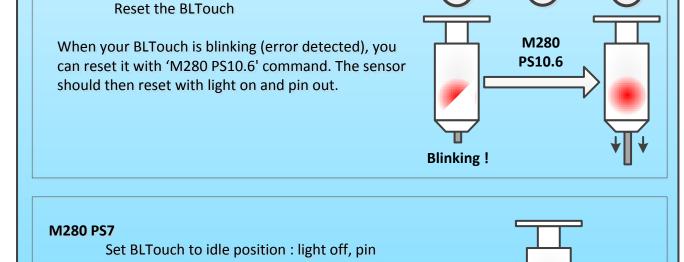
properly.

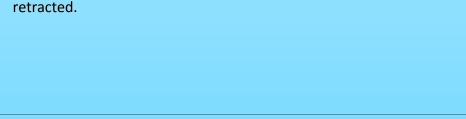
<u>Little Monster - BLTouch commands</u>

M280 PS3 Set BLTouch to probing position: light

Here are simple tests using GCODE commands to diagnose your BLTouch sensor is working









Cycle