

Marlin 2.0.5.3 Settings for BIGTREE SKR 1.4\_Turbo, TMC5160 to drive Ultimaker UM2+ 3D Printer

Required Hardware											
1 BTT SKR 1.4 Turbo											
4 TMC5160 Stepper drivers											
1 BTT DCDC Power Module for SKR 1.4											
1 PT100 Pre-Amplifier (Ultimaker Style), 3 channel, must use VDD = 3.3 VDC (DIY)											
1 MOSFET Adapter Board to run Hotend Fan off of SERVO connector (DIY)											
What will these Mods do?											
Enable flicker-free dimmable Case Lighting, using the original Ultimaker Case LED-Strips											
enable PWM-controlled Parts Fan											
enable PWM-controlled 5VDC for use with Hotend Fan											
increase Bed-Heater and Hotend-Heater PWM to 60 Hz to smoothen power consumption (note: you must use PID for Bed Heater). This improves print quality.											
enable ulticontroller display and Clickwheel+LEDs (as published by Anthrix here:...) <a href="https://community.ultimaker.com/topic/30786-ultimaker-with-skr-14/">https://community.ultimaker.com/topic/30786-ultimaker-with-skr-14/</a>											