

How to use the hotbed on Kossel

ANYCUBIC Kossel Delta does not include a heat bed, so please note that **any incorrect operation may bring risk to the 3D printer, and yourself. So, please be very careful and know exactly what you are about to do.**

(1) Prepare

a. Suitable heat bed (*pictures here are examples only, same as below)



b. Power (no less than 200w)

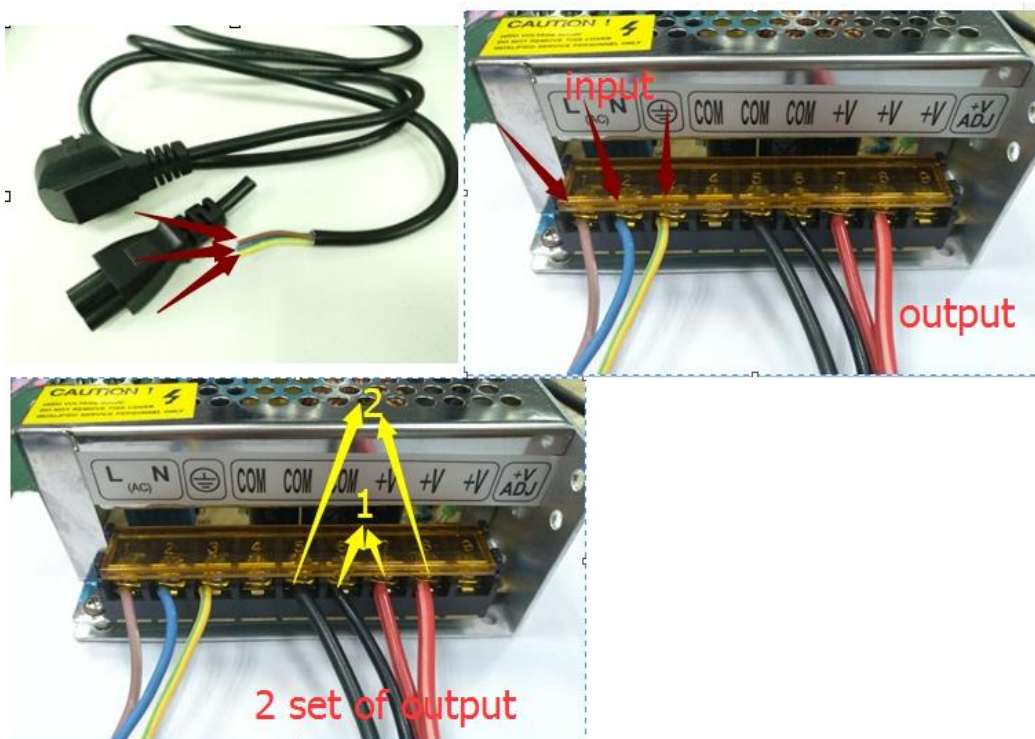


Choose the correct voltage (Default is 220V)

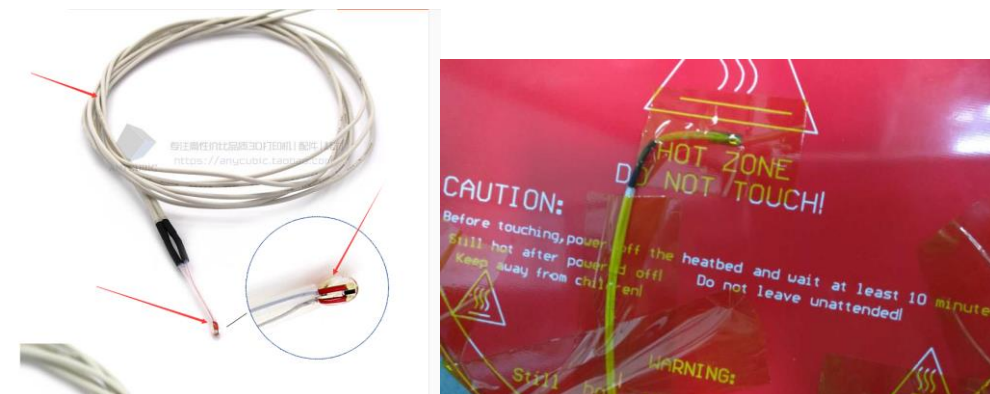


c. Cable (connected to power supple)

*****Important: please distinguish the Live, Neutral, Ground wire.**



d. Temperature sensor

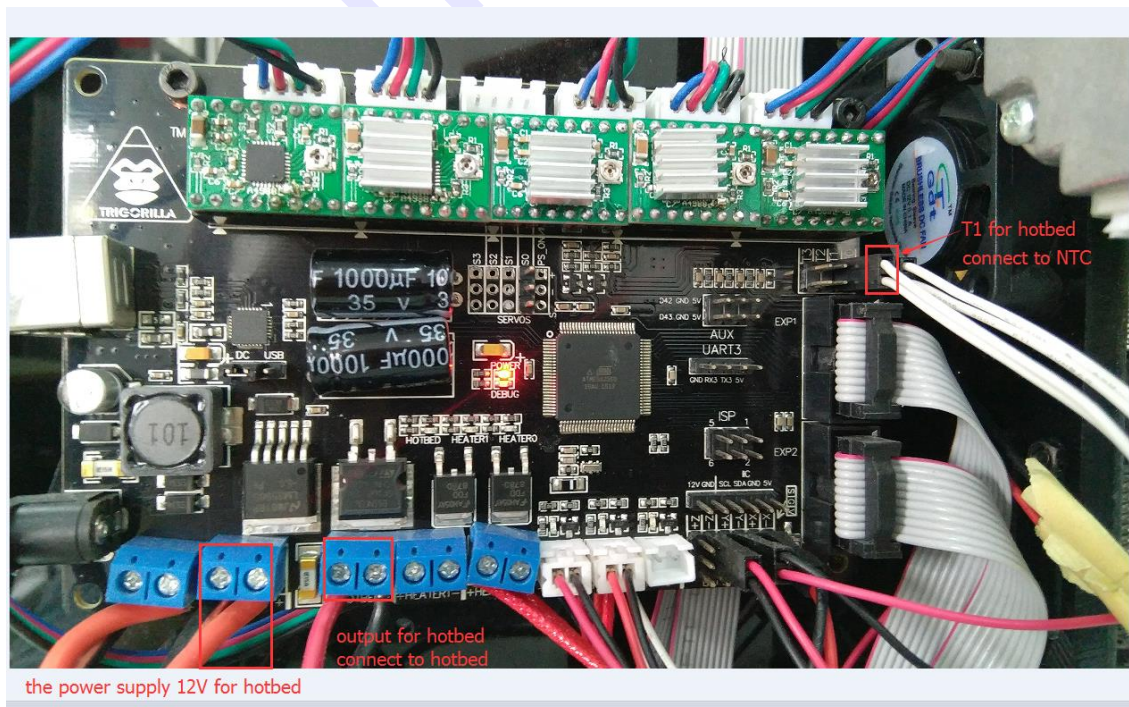
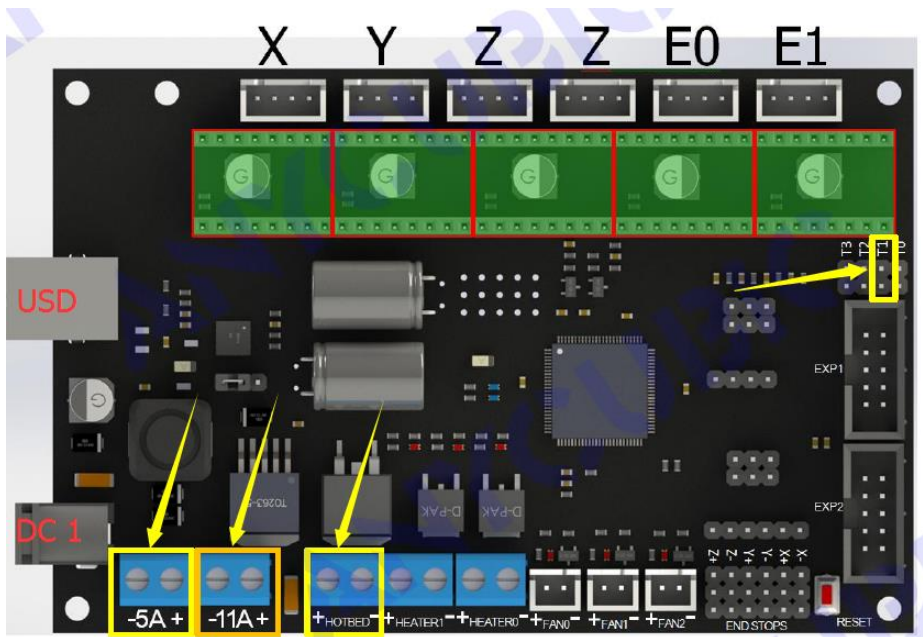


(2) Wiring (**Before start, cut the power connection**)

The DC option 1 will not be used now. Please lead the 2 set of output wires (Positive/Red/V+----Negative/Black/Com) from power supply to mainboard (+/-). Just choose one set for 5A and the other for 11A.

Please pay closely attention to the positive and negative wires.

Then, wire the hotbed line to the hotbed port (+/-). Lastly, connect the thermistor terminal to T1 port.



(3) Installation

Fix the hotbed using stop blocks and then fix a glass plate on the top of hotbed.



(4) Setup

Put everything in order. And upload mainboard with new firmware that supports hotbed. To find the firmware please check the link:

<https://drive.google.com/open?id=0B8VIB533cgdMSVMxNm43aG1OQ>

OU

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Amcubic_Kossel | Arduino 1.0.6
File Edit Sketch Tools Help
Amcubic_Kossel | BlnxM.tpp | BlnxM.h | Configuration.h | ConfigurationStore.tpp | ConfigurationStore.h | Configuration_Lib.h | DORSWithnash.h
// 0 is not used
// 1 is 100k thermistor - best choice for EPCOS 100k (4.7k pullup)
// 2 is 200k thermistor - AIC Senitec 204GT-2 (4.7k pullup)
// 3 is Mendel-parts thermistor (4.7k pullup)
// 4 is 10k thermistor !! do not use it for a hotbed. It gives bad resolution at high temp. !!
// 5 is 100k thermistor - AIC Senitec 104GT-2 (Used in ParCan & J-Head) (4.7k pullup)
// 6 is 100k EPCOS - Not as accurate as table 1 (created using a fluke thermocouple) (4.7k pullup)
// 7 is 100k Honeywell thermistor 135-104LAG-201 (4.7k pullup)
// 71 is 100k Honeywell thermistor 135-104LAP-201 (4.7k pullup)
// 8 is 100k 0803 300 Vishay MCO30303104GT2 (4.7k pullup)
// 9 is 100k GE Sensing ALDS3005-S8 2E-97-G1 (4.7k pullup)
// 10 is 100k ES thermistor 159-961 (4.7k pullup)
// 20 is the PT100 circuit found in the Ultimainboard V2.x
// 60 is 100k Maker's Tool Works Kapton Bed Thermistor
//
// 1k ohm pullup tables - This is not normal, you would have to have changed out your 4.7k for 1k
// (but gives greater accuracy and more stable TID)
//
// 51 is 100k thermistor - EPCOS (1k pullup)
// 52 is 200k thermistor - AIC Senitec 204GT-2 (1k pullup)
// 55 is 100k thermistor - AIC Senitec 104GT-2 (Used in ParCan & J-Head) (1k pullup)
//
// 1047 is Pt1000 with 4k7 pullup
// 1010 is Pt1000 with 1k pullup (non standard)
// 147 is Pt100 with 4k7 pullup
// 110 is Pt100 with 1k pullup (non standard)
//
#define TEMP_SENSOR_0 5
#define TEMP_SENSOR_1 0
#define TEMP_SENSOR_2 0
#define TEMP_SENSOR_BED 0 // change the number 0 to 1, then reupload the firmware
// This makes temp sensor 1 a redundant sensor for sensor 0. If the temperatures difference between these sensors is to high the print will be aborted
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(5) Enable hotbed in your slicing software.

(6) Happy printing!

by **ANYCUBIC** Team, J.