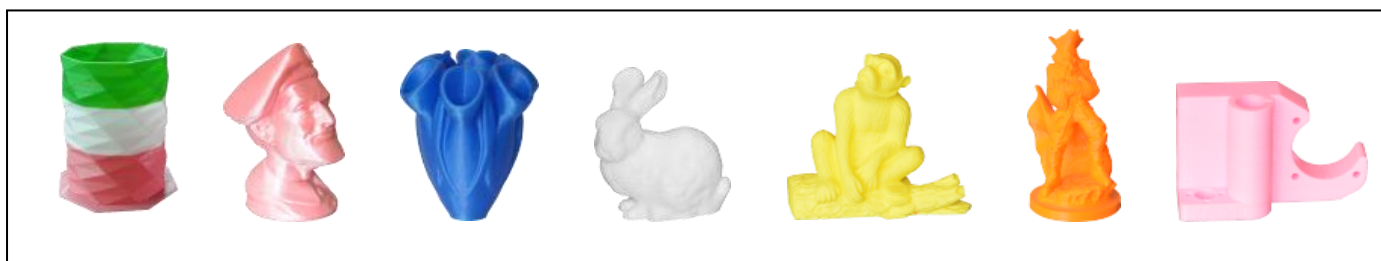


3D Printer Quick Start Guide



DIY 3D Printer Kit M508

Machine parameters			
Printing technology	FDM	Nozzel diameter	0.3(default),0.4,0.5
Print size	200*200*180mm	Printing precision	0.1-0.3mm
Filament	PLA /ABS /HIPS/WOOD	Printing speed	40-100mm/s (proposal)
Filament diameter	ϕ 1.75mm	Working condition	10-40℃
Number of extruder	1	Humidity	20-50%

Contact service: alunar3d@hotmail.com www.alunar.net

Technology Support: service@alunar.net www.alunar.net

——Please visit our sites if you would like get more information on 3D printer: <http://www.alunar.net>——

3D Printers M508 Quick Start Guide

Foreword

Thanks in advance for choosing our M508 3D Printer! With the Quick Use Manual (hereinafter as “Manual”) guide, you could enjoy accomplishing the assembly, Test and Printing step by step. Meanwhile, you will also learn the structure principle and its special FDM printing technology deeply, and then you will get great progress on not only the theoretical knowledge but also the manipulative ability.

To give play to the bigger effect of the printer and ensure the worry-free buying, smooth and enjoyable using, we spare no effort to consider the question and difficulty you will meet with from when you order the printer and make detailed videos and pictures to show the exact settle way. We write this “Manual” elaborately in great detail and we will always accompany with your using 3D printer. The kits would come to you with high-class part and need you put them together. So please read the “Manual” carefully before you assembly and use the printer and then utility our printer in strict accordance with the “Manual” to avoid the any defective or invalid use caused by improper operation. So please keep the Manual for your easy reference.

Special Note:

With our objective of constant update for our printer, we would not make future notice to you if some specifications and models updated. And we apologize for the inconvenience that will lead to you.

Flow Diagram for Quick Use Manual:

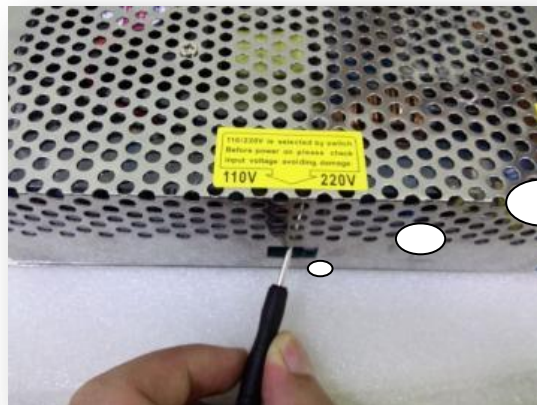
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graph LR; A[Matters and Attentions] <--> B[Preparatory Work]; B <--> C[Preinstallation Checklist]; C <--> D[Assembly and Calibration]; D <--> E[Printing Test]; E <--> F[Senior Instruction]; F <--> G[Frequently Asked Questions and Settle Way];
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Matters and Attentions ⇄ **Preparatory Work** ⇄ **Preinstallation Checklist** ⇄ **Assembly and Calibration** ⇄ **Printing Test** ⇄ **Senior Instruction** ⇄ **Frequently Asked Questions and Settle Way**

Important Notice and Attentions:

1. Keep the assembling operation platform level
2. Please ensure that you move to the right tap position for input voltage (110V or 220V) of the power supply (as shown in the picture)

Input Voltage	100~160V	200~260V
Position choice	110V	220V



Warning: Must be in the condition of power equipment of the strike.

3. You need to make a proper degree of tightness of the pull belt for X axis& Y axis
4. Ensure manual operation slide smoothly when you install the X, Y, Z axis
5. When equipped the hotbed, you should keep the 4 angle level for sure.
6. Ensure the correct wiring for controller board and plug tightly into the exact socket.
7. Don't plug and unplug the wiring for controller board when power on, especially don't plug and unplug the connect wiring for power supply.
8. Don't touch the extruder and hotbed when printer is power on to avoid the scald.

A.Preparatory Work

1. Tool and kit preparing: one level desk at more than 2 sq. m. size, one computer, one scissor, SD card reader, power supply and so on.
2. Open the box you got, and read the Manual from the SD card. We suggest that you should copy all the documents to the computer from the SD card and then start assembling according to the manual.
(SD-Card:\)

B.Preinstallation Checklist

1. Step Way of Opening Box: Please look over the whole box appearance and make sure whether the box is damaged(if damaged, please feel free to contact with our customer service); And then please open the box and check the kits list as per “sketch map of opening carton” and “Video of opening carton” (SD-Card:\Manual&AssemblyVideo\1-Open the carton) .
2. Take an account of kits: Please check out all the parts and make sure if any part is lost or damaged as per the “Packing List” and video “Check out the kits”. Please feel free to contact our customer service once you find out that you lost or got any defective parts (except leading by the unartificial reason). We will try our best to settle your problems as soon as possible (SD-Card:\Manual&AssemblyVideo\1-Open the carton) .

C.Assembly and Calibration for M508

1. M508 assembly: Please assembly the printer by following the step1- step7 on assembly diagram and video, and pay attention the prompt for key of assembling.
2. **Testing and Commissioning:**
 - (1) **Power on test:** When connecting the power supply to your printer, please make sure whether the power indicator light is on, LCD screen show correctly or not, hotbed and the extruder can be heated rightly or not, the thermistor, turbine fan and radiator fan works normally or not;
(SD-Card:\Manual&AssemblyVideo\2-Assembly and debugging\2-Power on inspection)
 - (2) **Hotbed leveling test:** Please make calibration to level the hotbed according to the video
(SD-Card:\Manual&AssemblyVideo\2-Assembly and debugging\3-Hot bed leveling)
 - (3) **Change the Filament:** Watch the video “how to change the filament “ and get the operation way of this special feature of this printer(SD-Card:\Manual&AssemblyVideo\2-Assembly and debugging\5-Change filament)
 - (4) **Feature Demonstration:** watch the video “Basic Feature Demonstration” and get the operation way of all basic feature; (SD-Card:\Manual&AssemblyVideo\2-Assembly and debugging\4-Function introduction)

D. Printing Test:

After all the above-mentioned test and you make sure the printer works well. Now you can get start a

printing test. Please insert the SD Card into the card slot on the left back of the screen and then choose the “test-*.gcode” file and start printing with rotating the spin button. (SD-Card:\Manual&AssemblyVideo\3-Test print\test-*.gcode)

Congratulations! You’ve already accomplish the whole assembly for the M508. Please feel free to contact our customer service if you have any problem on technology or other. We will spare no effect to settle your problems accordingly. As you complete the printing test, you would be pride of yourself by creating the first 3D printer work. And welcome to share your amazing and successful DIY experience to our page online (www.alunar.net)

E. Senior Instruction

1. **Off-line Printing:** copy the “X.gcode”file to the SD card and insert the card into your printer, then start your printing directly. And you need to change it to “X.gcode”if the file you want to print is “X.STL”.

How to use slicing software: Please open the “SD-Card: \ Software\Slicing software” and click the software“Cura 15.04” to slice the printing file as per the use manual shown on “How to use Cura”.

2. **Online Printing:** Connect the printer to your computer and then you can get start printing by computer control.

Connecting to your computer with USB cable: Please open the “SD-Card: \ Software \RepetierHost_1_0_6” and click the software“RepetierHost_1_0_6”, then you can start printing with slicing the printing file by Repetier according to “How to use Repetier”.

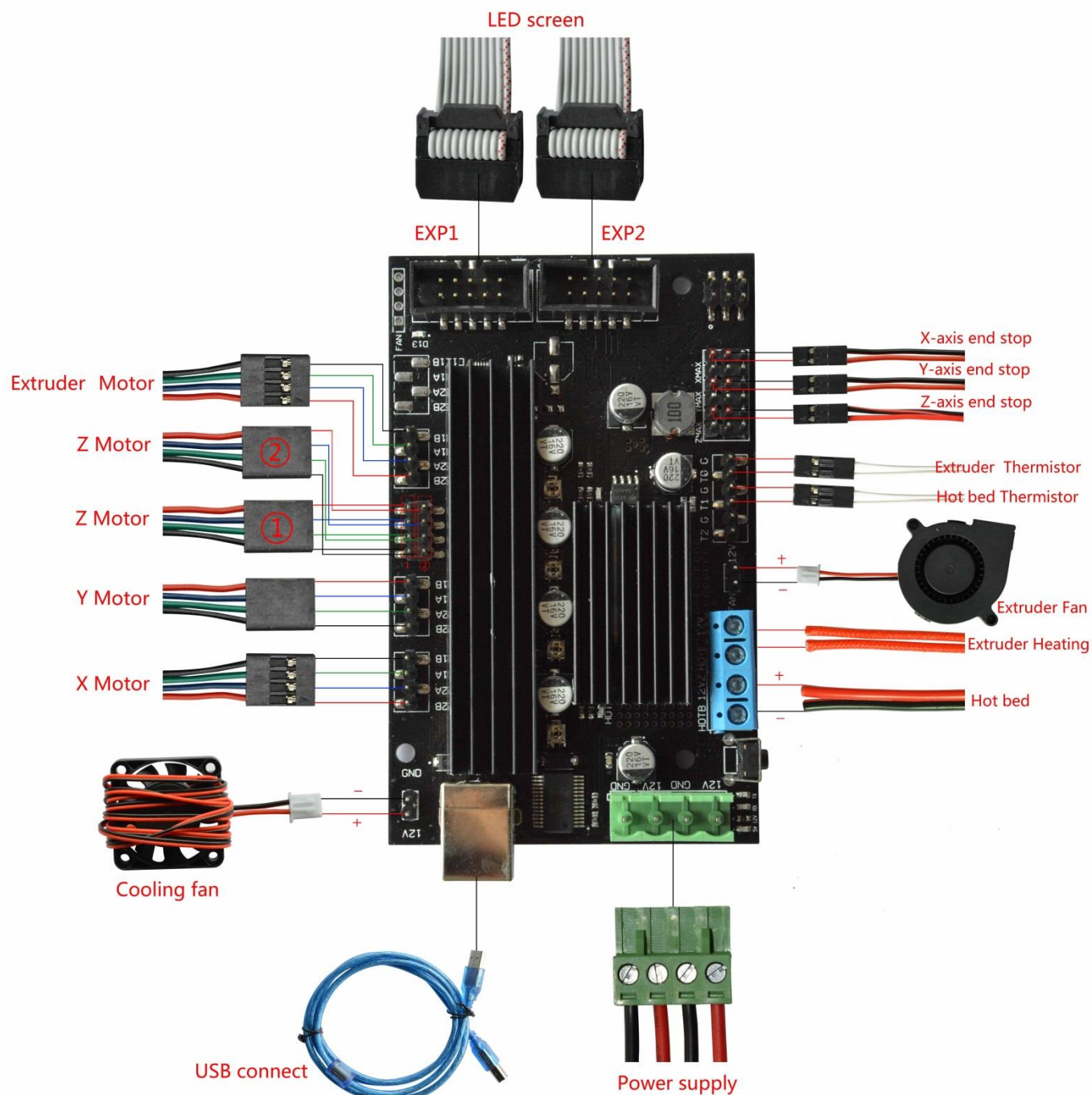
F. Frequently Asked Questions and Solutions

1. Please get the “Common problem” from the SD card for your reference (SD-Card:\Manual\5-Common problem)

PS: Please visit our sites if you would like get more information on 3D printer: <http://www.alunar.net>.

NOTE1:

Do not insert or pull out the connection line between the motor and the main board when the power is turned on, so as not to damage the corresponding motor drive on the main board.



NOTE2:

make sure all plugs are tightly put into the sockets.
keep all wires connected fully.