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Z8P-MK2 User Guide




ATTENTION PLEASE





Before using the machine, please read  [Precautions for using M4V6](#) carefully.




Must load 4 filaments onto the M4V6 hotend simultaneously, incorrect operation may block the mix color hotend. If the hot end blockage caused by incorrect operation, it is not covered by the warranty. For how to load filaments, please refer to  [this guide](#).



If you are a beginner of 3d printer, please carefully read the  [Step-by-Step Guide](#), and following the guide to do step by step. If you are experienced on 3d printer, please also briefly read the  [Step-by-Step Guide](#) at least, and ensure that you have known how to load filament to the M4 hot end.









[Watch Video Tutorial](#)

We creat many video tutorials for this machine, please click  [here](#) to watch.






1.Installation Guide

-  [Installation Guide](#)
-  [Installation and Quick Use Guide PDF file](#)
-  [Installation Video Tutorial](#)
-  [LCD screen menu description](#)
-  [Wiring Block](#)
-  [Wiring Diagram](#)



2.Operation Guide


-  [Basic Operation Guide](#)
-  [M4V6 Mix Color Hotend User Guide](#)
- **Advance Features**
 - [Auto shut down](#)  
 - [Mixing Color Printing](#) 
 - [Bed auto leveling](#)  

- **Power loss recovery** 
- **Auto retraction** 
-  **Print from PC**

3.Print Test Gcode Files

 **Download test gcode file**

What Is G-code in 3D Printing?



G-code is information, or instructions that 3d printer requires in order to print a 3 dimensional object, it is the language of the 3d printer can understand. G Code is generated by your slicing software, by translating a standard 3D modelling file such as an STL file into the code that your specific 3D printer will understand. 

Reference 1  **Reference 2**

4.Slicing Guide

 **Download silcer software and read the slicing guide**



What is slicing in 3D Printing?

Slicing is a piece of software that everyone uses when creating objects and products on a 3D printer. The software gives the printer a path to follow. The slicing software takes your image and converts it into G codes that your 3D printer can understand. These G codes are a type of instruction on how the printer needs to print your design.  **Reference 1**  **Reference 2.**

5. Print parts stl

 **Download print parts stl files**

6.Firmware

-  **Firmware bin file.**
-  **Firmware source code.**

What is bin file and source code?

Firmware bin file is the exact memory that is written to the embedded flash.

Firmware source code is the core part of the firmware. The entire firmware can be thought of as different sub modules. It is divided into many sub files. These files are called source files. And, the entire program files are called source file or source code. Now our firmware source code is base on **marlin**.

7.TroubleShootings

-  **TroubleShootings for Z8P.**

Upgradable Features

- **PEI Springs heatbed sticker** 👍

PEI Spring Steel Sheet Hotbed Sticker is more durable than the original hot bed sticker. With the single side smooth hot bed facing up, it can also make the bottom of the print more smooth. 📖 [Buy](#) / 📖 [Buy](#)

- **Dual Gear Extruder** 👍

The dual gear extruder can significantly increase the force to push / pull filament, greatly reducing the probability of printing defects and printing failures caused by filament slipping on the extruder. 📖 [User guide](#) 📖 [Buy](#) / 📖 [Buy](#)

- **Filament run out sensor** 👍

By upgrading this item, you can remote control your 3d printer. 📖 [User guide](#) 📖 [Buy](#)

- **WiFi wireless control module** 👍

By upgrading this item, you can remote control your 3d printer. 📖 [User guide](#) 📖 [Buy](#)

- **Non mix color hotend** 👍

By upgrading this item, the size of the color prime tower for printing multi-color models is much smaller. 📖 [User guide](#) 📖 [Buy](#)

- **Direct drive extruder** 👍

By upgrading this project, you can print flexible materials (such as TPU filament). 📖 [User guide](#) 📖 [Buy](#)

- **Laser engine**

By upgrading this item, you can turn your 3D printer into a simple laser engraving machine. Higher power laser modules can improve engraving speed or support materials with higher melting point. 📖 [User guide](#) 📖 [Buy](#)