Z8P-MK2 User Guide

⚠️ATTENTION PLEASE⚠️

📣 You need to load all the 4 filaments to the hotend whether printing one or multi color 3d prints, incorrect operationa 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

📣 DONOT pull out the "inner PTFE tubes" (the 4 white tubes with black fittings) from the M4V6 hot end.

📣 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.

⬇️ Download Z8P-MK2 all documents

🎬Video Tutorial

We have created many video tutorials for Z8P-MK2, please refer to **here** to view.

📁 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 langurage 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

- **SD Card Extender**👍👍
  By upgrading this item, it is easier to access (Plug/Unplug) the SD card. 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

---