Language / Translate

⚠️NOTICE⚠️

Even if you are very experienced in using 3D printers, please read the following documents carefully too:

- **Installation and Quick User Guide**.
- **E4 hotend user guide**.

⬇️ Download Z9V5-MK4 files

Download Z9V5-MK4 files in one go

📖 Contents

- **Installation and operation guide**
- **Test gcode files**
- **Video tutorial for installation, operation and step-by-Step guide**
- **Slicing software user guide and slicing software download link**
- **Control board firmware ,source code, firmware uploadling guide and download link**
- **FAQ, Maintenance manual, etc.**
- **Print parts stl files, introduction to upgradeable functions, etc.**

Documents List

1. Installation and User Guide

- 📖 **Installation and user guide**
- 📖 **LCD screen menu description**
- 📹 **Installation video tutorial**
- 🎨 **Wiring diagram**
- 📁 **Advanced features guide**

2. Test Gcode

📝 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**

📖 File list

- ⬇️ **xyz_cube.gcode**: A simple test gcode file for verifing if the machine is working well.
- ⬇️ **TempCal_PLA.gcode**: A test gcode file to check the best printing temperature of your PLA filament
- ⬇️ **1C/3DBenchy.gcode**: A classic printing performance test file, one color
- ⬇️ **1C/dog.gcode**: A classic printing quanlity test file, one color
- ⬇️ **E4_4C/Z9E4_4CTest.gcode**: A base 4 colors test file
- 📁 More gcode file, please refer to 👉 **here**

3. Video Tutorial

NOTE: The video tutorial may be a little different with your machine because of firmware version is different, for reference only

Installation and Operation Guide

- 📹 **Installaltion**
- 📹 **Turn On / Turn Off the printer**

- 🎥 **Bed leveling**
- 🎥 **How to load Filament - for one color printing**
- 🎥 **How to load Filament - for multi colors printing**

Advanced features

- 🎥 **Bed auto leveling**
- 🎥 **Power auto shutdown after print finished**
- 🎥 **Filament run out detect**
- 🎥 **Power losss recovery**

4. Slicing

📝 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**

- 📖 **PrusSlicer User Manual (pdf file)**
- 🎥 **Download and install slicing software**
- 🎥 **Slicing guide - for one color printing**
- 🎥 **Slicing guide - for multi colors printing**
- 🎥 **Slicing guide - Convert one color 3d file to multi colors**

  🌟 **For the newest slicing guide and more slicing software user guide, please click here** 👉 **slicing guide**

5. Firmware

- **Firmware bin File**
- **Firmware 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**.

6. FAQ

- 🎥 **How to replace nozzle**

7. Others

Print parts stl files

Print parts stl files

Optional upgrade kit / parts

Automatic Repeat Printing Module

By upgrading this module to make your 3D printer capable of continuous automatic mass production.
📖 **User guide**

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**

WiFi wireless control module

By upgrading this item, you can remote control your 3d printer.
📖 **User guide**

Direct drive extruder

By upgrading this project, you can print flexible materials (such as TPU filament). Of course, it also has other advantages and disadvantages of the "direct drive" extruders, such as having less strings issue, better flow, more supporting materials, etc., Also because of the heavier weight of the extruder, the printing speed must be lower.
📖 **User guide**
🎥 **Video tutorial**

More types of Hotend / extruder

Each type of hot end has its advantages and disadvantages, you can choose different hotends according to different requirement.

- Fast printing
- Print flexible filament

Please refer to **here**