



## Usage Overview

This tutorial only explains how to run Klipper firmware on Lerdge boards. For the installation of Klipper software on other terminals (such as Raspberry Pi, Orange Pi, Tablet PC, etc.), please refer to the Klipper official tutorial or other third-party tutorials.

### 1. How to flash Klipper firmware to Lerdge board

The "Klipper for Lerdge.bin" file in the "Klipper firmware for Lerdge" folder is the Klipper firmware compiled by the Lerdge team and can be directly updated to the Lerdge board through TF card or U disk. Users can directly copy this file to the U disk or TF card, and then insert the U disk or TF card into the Lerdge board, click the  icon to enter the **"System Settings"** interface, click the  icon, and find "Klipper for Lerdge.bin " in the corresponding storage device, select it and execute the update.

After the update is completed, the system will stay on the bootload interface where the update was successful, because the Klipper firmware doesn't use the Lerdge display. The display will no longer light up after rebooting the board.

The "Klipper for Lerdge.bin" file is compiled based on Klipper\_Version: v0.10.0-515-g24a1b50e-dirty. If you need to compile the Klipper firmware for Lerdge board by yourself, please refer to the content in the "How to compile klipper firmware for lerdge" folder.

### 2. Connect the Lerdge board to the Klipper host

The Lerdge board itself does not have a serial port, you need to plug the Lerdge USB link module on the board, and then use a USB cable to connect the board and the Klipper host.

### 3. Configure the "printer.cfg" file

There are basic configuration files corresponding to different types of Lerdge boards in the "Klipper printer config" folder. For the configuration method, please refer to the official Klipper tutorial. When configuring, you need to re-obtain the mcu communication port name and fill in the corresponding configuration file to ensure correct communication.

### 4. How to restore the Lerdge firmware

The Lerdge firmware can be re-flashed on the Lerdge board through the forced update method. For specific methods, please download the Lerdge firmware and view the tutorial in its folder.