



Lunar

User Manual

Thank you for purchasing Lunar!

This guide will cover everything needed to assemble the keyboard properly.

It is a long guide, but we suggest that you read through it thoroughly before beginning construction.

1. Preparation

- a. Clean the switches properly if needed, and verify that each one functions properly.
- b. Have a safe working space for placing the keyboard upside down when soldering to avoid scratching and denting.
- c. Double-check that all required tools and parts are ready:
 - i. Lunar chassis and PCB, adhesive feet
 - ii. Screws and screwdriver
 - iii. Switches, either Alps SKCM/SKCL or compatible clones
 - iv. Stabilizer components
 - v. Keycaps
 - vi. Soldering iron, solder
 - vii. Type-C USB cable

2. Installing base components

- a. Insert the stabilizer inserts into the plate cutouts, then insert the stabilizer wire into the inserts.
- b. Install the stabilization pillar below the spacebar, if necessary.
- c. Install the switches onto the plate, with the switch legs north-side.
EXCEPTION: The two switches beside the USB connector may be installed upside-down if feeling nervous about soldering legs close to the connector.
- d. Install rubber feet into the inset areas of the lid.

3. Installing the PCB

- a. Verify that the PCB is functional by plugging it into a computer.
- b. Make sure none of the switch legs are bent too far, and insert the PCB onto the underside of the plate.

- c. Solder the switch legs to the PCB.

A suggested temperature is 250-300C; however, this will depend on your iron and solder.

4. Completing the build

- a. Install keycaps, and test-type to verify that all switches are soldered properly.
- b. Screw the lid to the chassis to close the keyboard.

WARNING: Do not overtighten the screws; it will ruin the typing sound. Tighten only the absolute minimum necessary for the screw to stay in place.

5. Editing the keymap

- a. Install and open the latest VIA configurator, available [here](#).
- b. Connect your Lunar, if not already.
- c. Use the user interface to easily rebind any key.
If your Lunar is not detected, or if your PCB was purchased fairly early (During early B/C-stock sales), please see below.



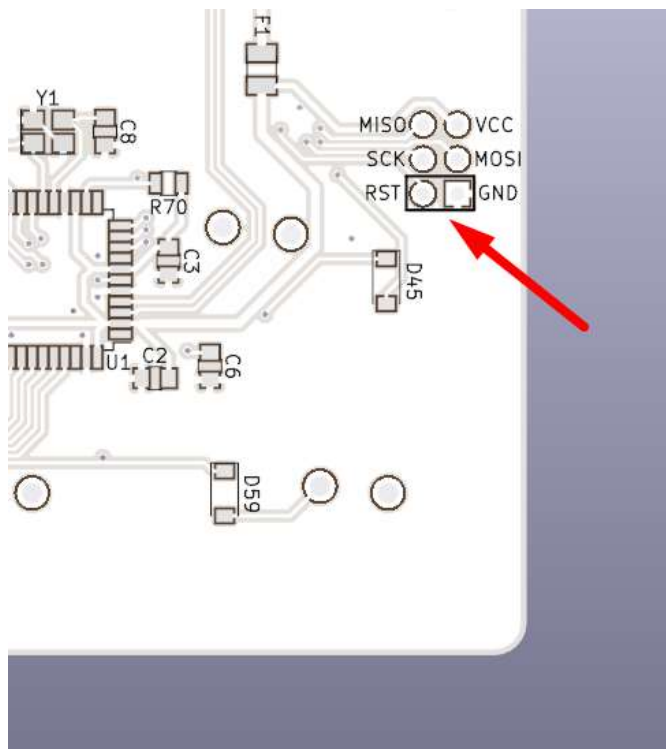
6. Flashing a new HEX file

This is only necessary if your PCB did not ship with VIA compatible firmware.
The VIA compatible HEX file is available [here](#).

- a. The stock keymap has reset bound to Fn-Esc. To reset, hold caps lock, and press Escape.

On user-customized keymaps, press the key or combination bound to reset.

If reset keymap is missing, please short the reset pad to ground on the PCB by tapping a jumper wire between these two pads marked RST and GND (The two pads surrounded by the box):



- b. Use either Atmel FLIP or QMK Toolbox to flash the firmware. Instructions on use those tools are bit complex and will not fit within this guide; please refer to preexisting guides for those tools. It may involve installing drivers for the DFU bootloader.