

Setting up Your Wireless Drift Keyboard

1. Create a GitHub Account:

Go to <https://github.com> and sign up.

2. Fork the Drift Keyboard Repository:

Go to the Drift keyboard repository:

<https://github.com/Timception/zmk-config-drift-editor>

Click "Fork".

3. Design and Save Your Keymap (Directly to GitHub):

- Open the Keymap Editor: <https://github.com/nickcoutsos/keymap-editor>
- **Authorize the Editor:** The keymap editor will prompt you to authorize it to access your GitHub repositories. Grant the necessary permissions.
- **Load the Default Keymap:** The editor should allow you to select your forked zmk-config-drift-editor repository. Choose the default keymap, this will load the initial layout.
- **Edit Your Keymap:** Customize your layout by clicking on a key and remapping it to what you want to change it to.
- **Save Directly to GitHub:** When finished, use the editor's "Save" or "Commit" feature. This will *directly commit* your changes back to your forked repository.

4. Build Your Firmware (Web-Based):

Go to the "Actions" tab in your forked repository. Find the latest ZMK build workflow.

5. Download the Firmware:

Once the build completes, download the firmware artifacts. You should have two files inside the zipped file: one for the left half of the keyboard and one for the right half (likely with names indicating left and right, and .uf2 extensions).

6. Flash the Firmware (Local - Drag and Drop):

Right Half:

- Plug in the *right* half of your Drift keyboard.
- Double-press the reset button. The keyboard should enter bootloader mode, and a new drive should appear on your computer.
- Drag and drop the firmware file for the *right* half (the .uf2 file) into this drive.
- Wait for the transfer to complete. The drive will disappear, and the keyboard half will restart.
- Unplug in the *right* half of your Drift keyboard.

Left Half:

- Repeat the same process for the *left* half of the keyboard: plug it in, double-press the reset button, and drag and drop the corresponding .uf2 file.
- Wait for the transfer to complete. The drive will disappear, and the keyboard half will restart.
- Unplug in the *left* half of your Drift keyboard.

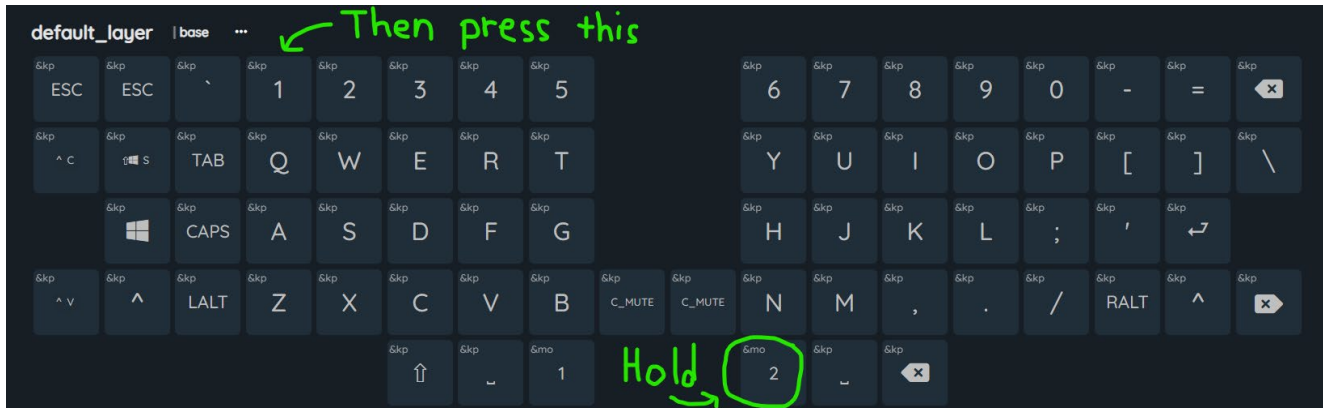
Note: You must flash each side of your drift keyboard without waiting too long between flashing each side. If you do and the keyboard does not work for some reason, you may need to clear the chip memory by flashing both sides with this file:

https://github.com/Timception/zmk-config-drift/blob/master/erase_flash.uf2

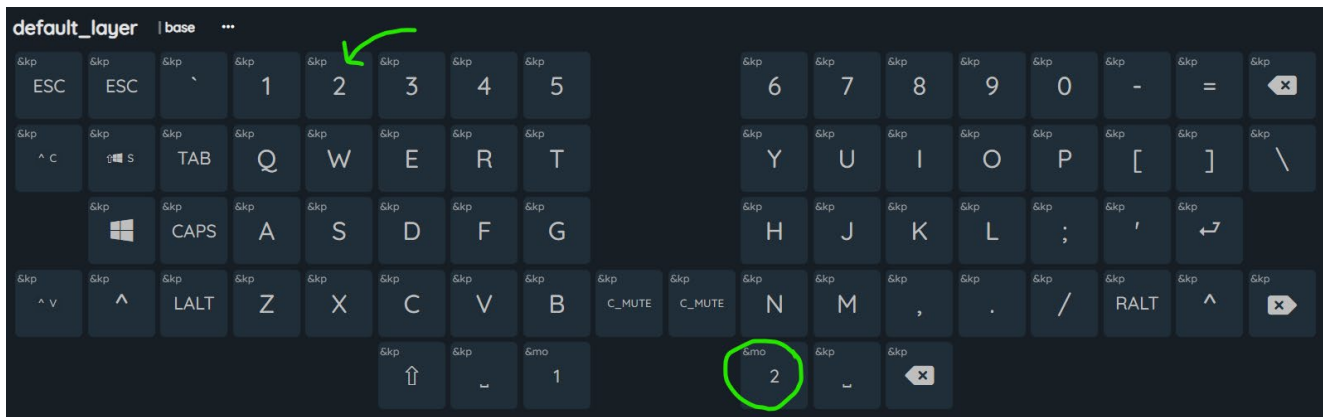
Once this has been done, you can try to re-flash the zmk firmware to each corresponding side again.

You can connect to 5 devices:

Hold the key as shown below and press 1 = this enables channel 1 (device 1).

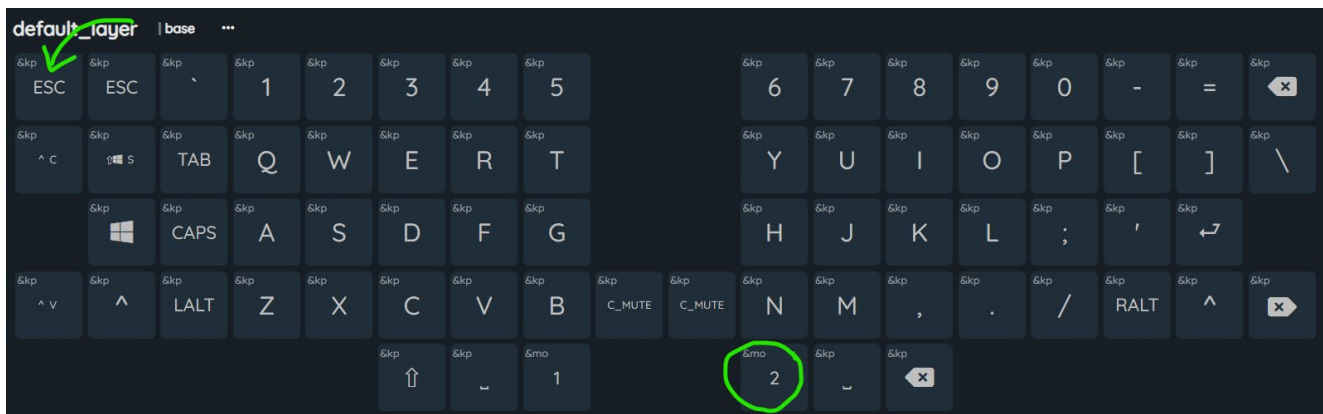


If you want to go to channel 2, just hold the same key and press 2



If you want to clear the memory for channel 1, go to channel 1 and then hold the same key and press the upper left-most button, this will clear Bluetooth for that channel.

You can do the same for channels 2-5, don't forget to remove the drift keyboard from your device too, before reconnecting.



For any further questions, you may join the ZMK discord (they will be much more capable of helping you):

<https://discord.com/invite/sycytVQ>