

2 - Layers

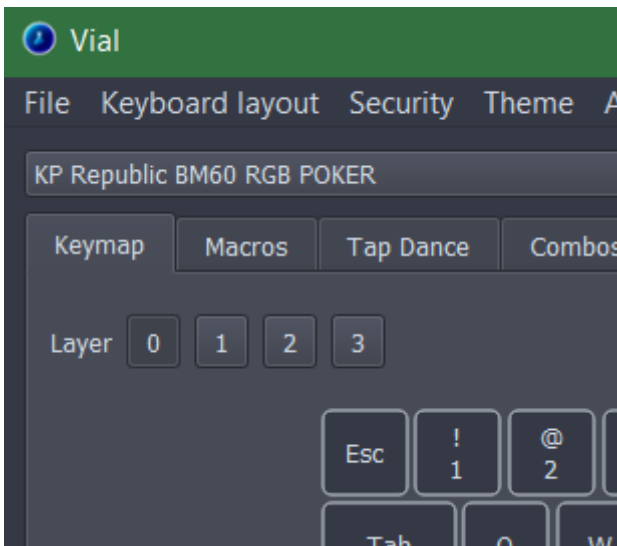
1. [User manual](#)
2. Layers

Layers

Layers allow the ability to change the functionality of the entire keyboard based on what “layer” it’s currently on. It’s best to visualize layers stacked on top of each other. Keys can be configured to switch between layers as needed similar to function keys on a laptop.

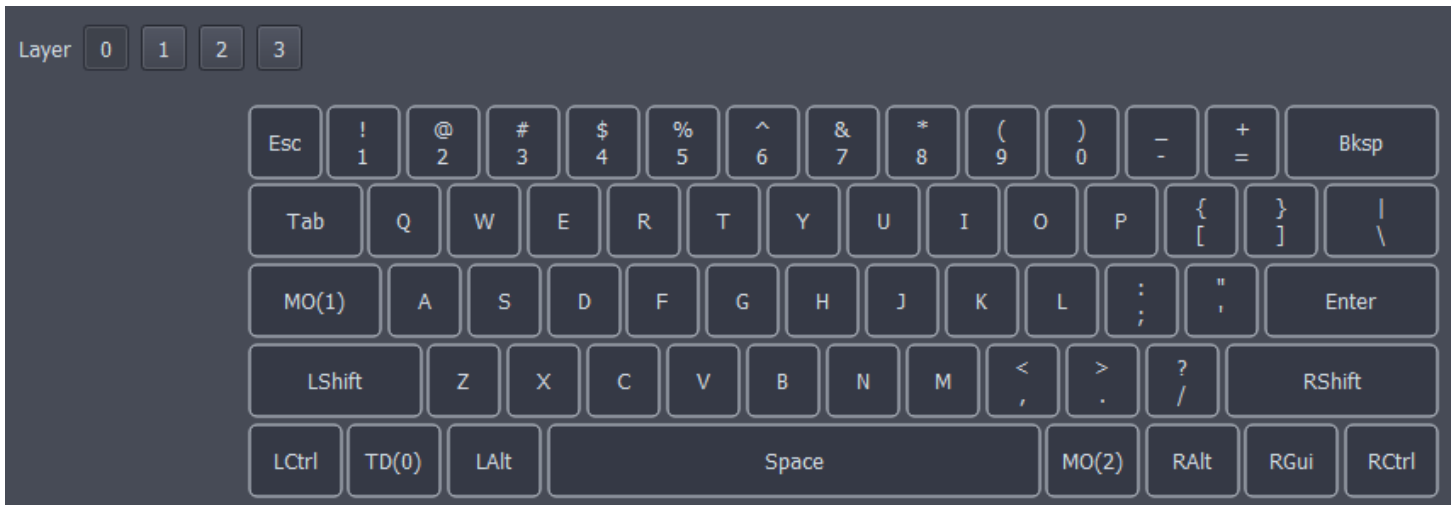
Most Vial devices have 4 layers but this number can be adjusted in firmware at compile (Not GUI) see [here](#) for more info.

You can view each layer available by clicking the corresponding number at the top of the interface. You can see we already have layer 0 selected.

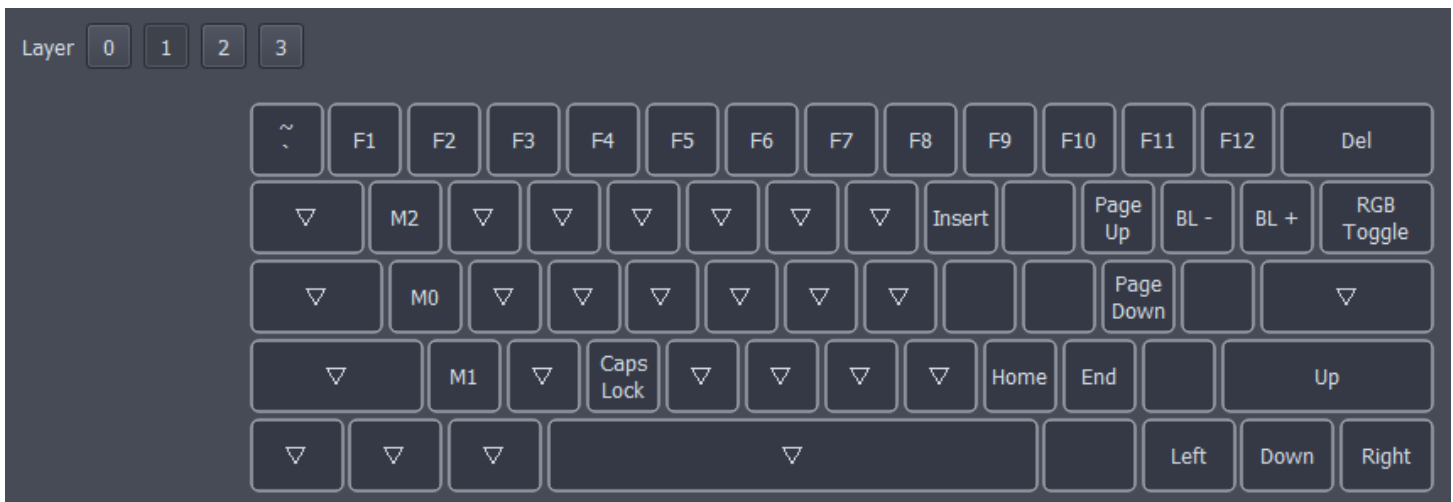


A typical layer setup would include a “base” layer and a “Function” layer.

Base Layer



Function Layer



You can see additional key functionality is located on the “Function” layer. This is just convention, in reality you can do whatever you want with the layers.

Moving Between Layers

Switching between what layer is active can be done in a few ways. In the lower palette, select the **layer** tab to view all the different options.

- MO(layer) - momentarily activates the layer. As soon as you let go of the key, the layer is deactivated.
- DF(layer) - changes which layer is the default layer. This stays until the device loses power.
- TG(layer) - toggles the layer, activating it if it's inactive and vice versa.
- TT(layer) - If you hold the key down, the layer is activated, and then is de-activated when you let go (like MO). If you repeatedly tap it, the layer will be toggled on or off (like TG). It needs 5 taps to do this.
- OSL(layer) - momentarily activates the layer until the next key is pressed.
- LT layer (kc) - momentarily activates the layer when it is held, sends a keycode when pressed. The keycode can be defined like all the other buttons, Just select the smaller box inside.

Additional Information on Layers

Transparency

The Triangle symbols represent Transparency. Those mean the action is the same as the layer below it. This is useful so that keys from different layers can be pressed at the same time.