

Rotary-Encoder on Android

**You must install the Android release V2.6 or higher to use Rotary-Encoder.
In this example, we used PEL12T Rotary Encoder.
Please check the revision of PCB. This page is based on the board revision 0.2.**

This page explains how to use the Rotary-Encoder example.
It can be used for volume control, page up/down and etc.

Rotary-Encoder control example App project : [Rotary-Encoder controller](#)

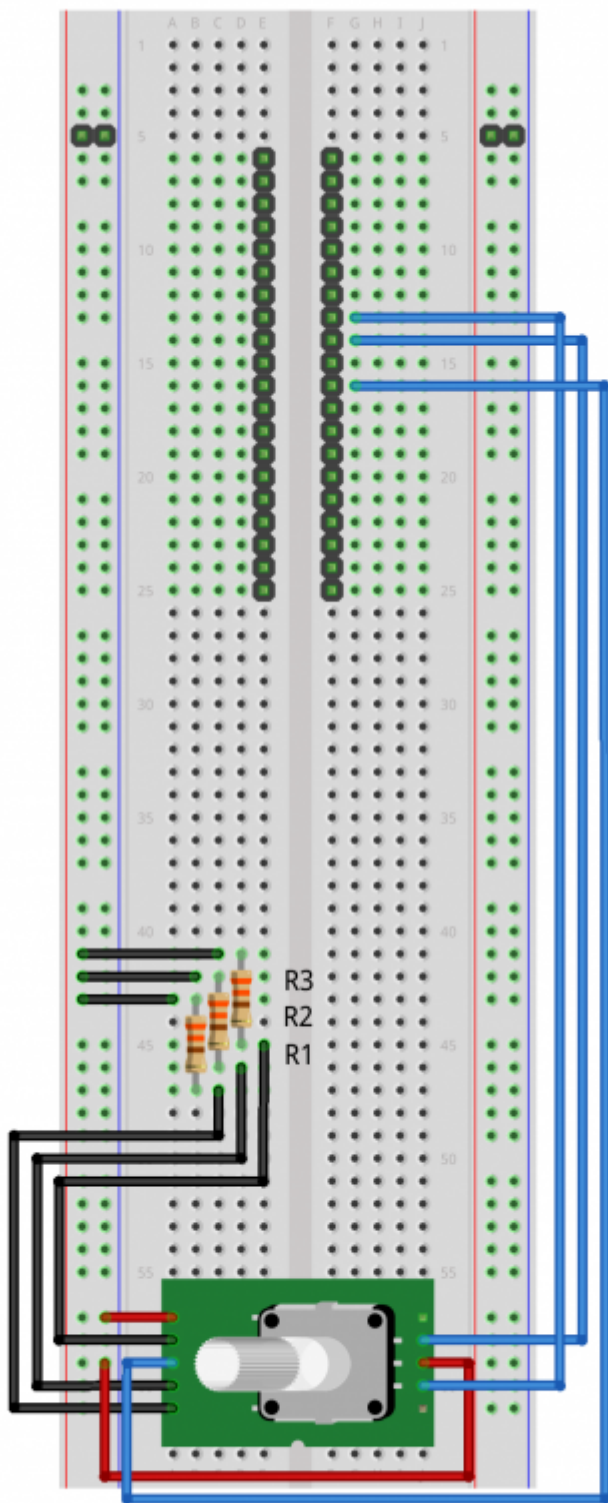
Applied patches to kernel : [patch 1](#), [patch 2](#)

[PEL12T Data sheet](#)

Rotary-Encoder circuit

If you want to connect pin to another GPIO pin, please check GPIO description.[GPIO Pin description](#)

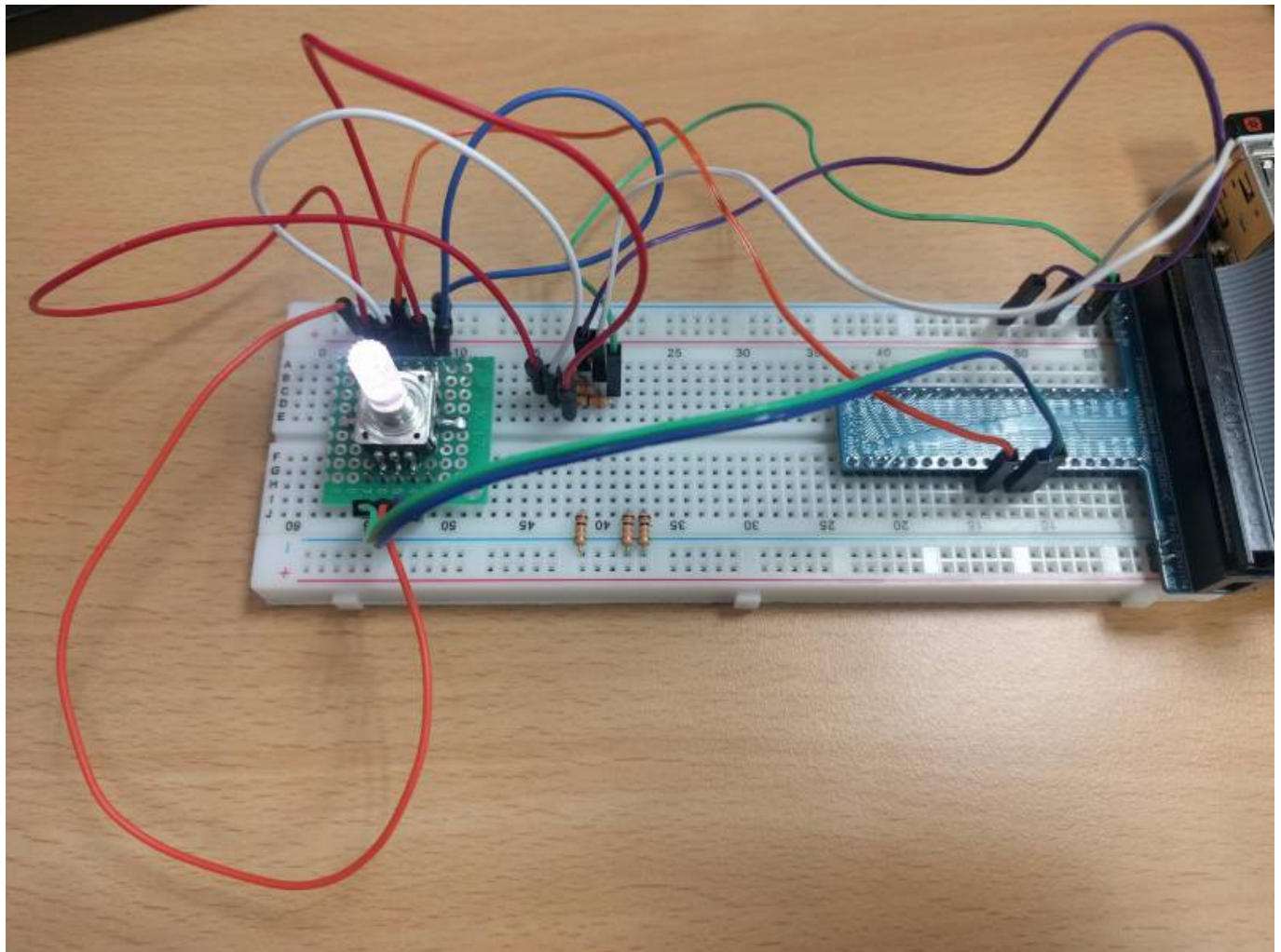
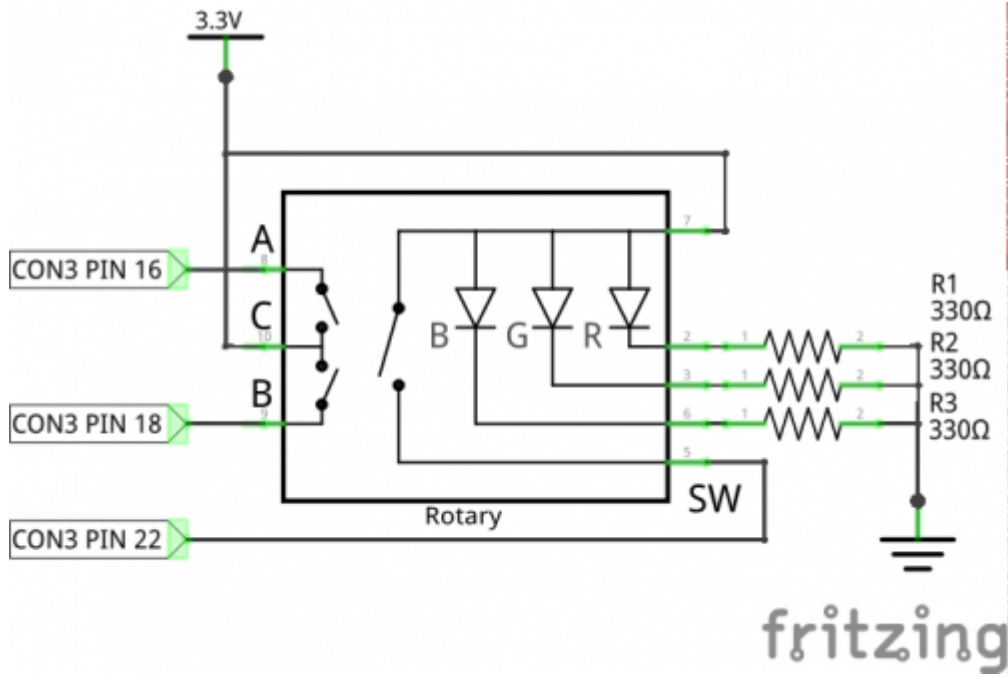
T-breakout-Board



PEL12T Rotary Encoder

fritzing

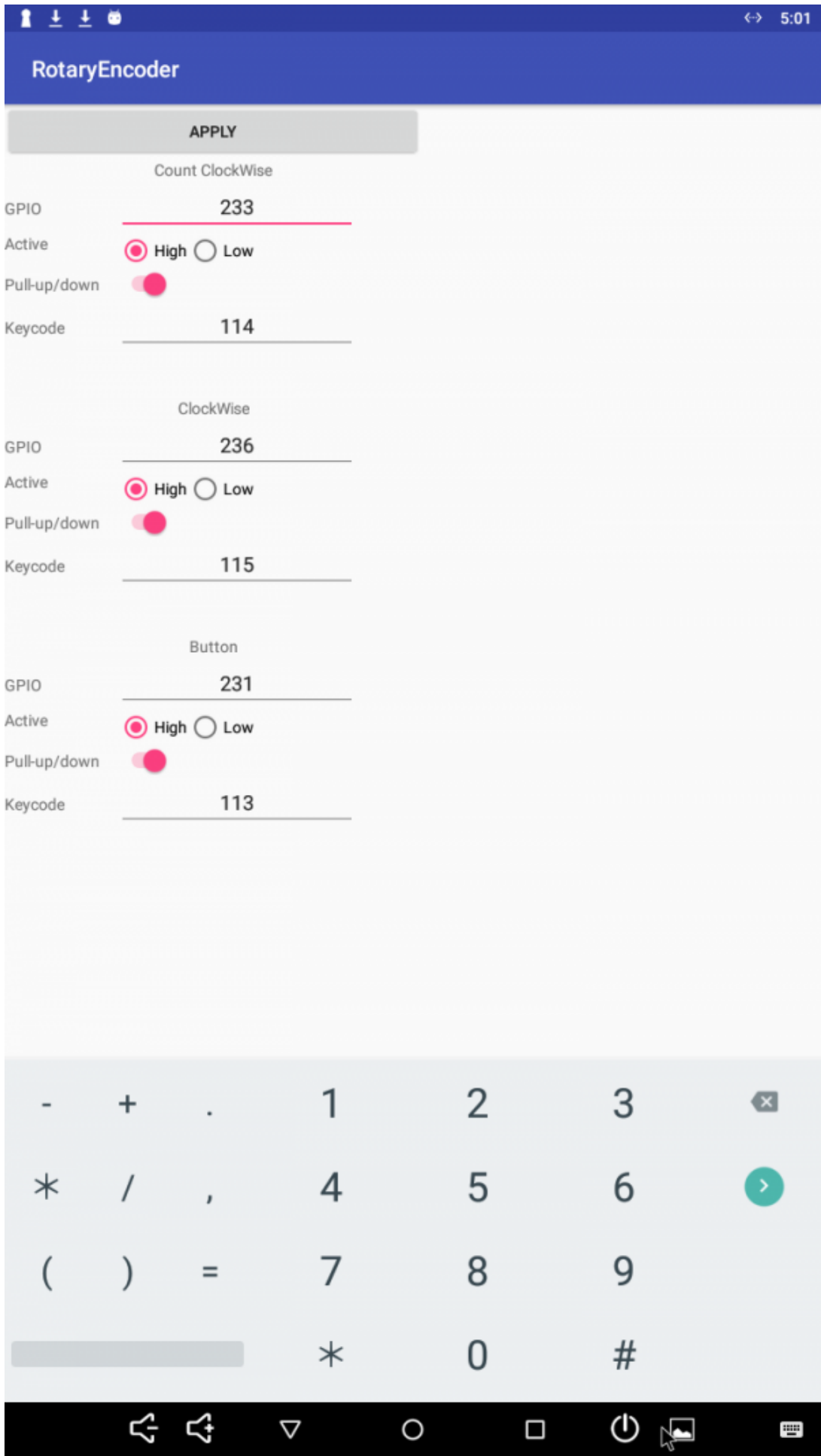
The schematic of Rotary-Encoder circuit.



Result of using Rotary-Encoder and Controller app

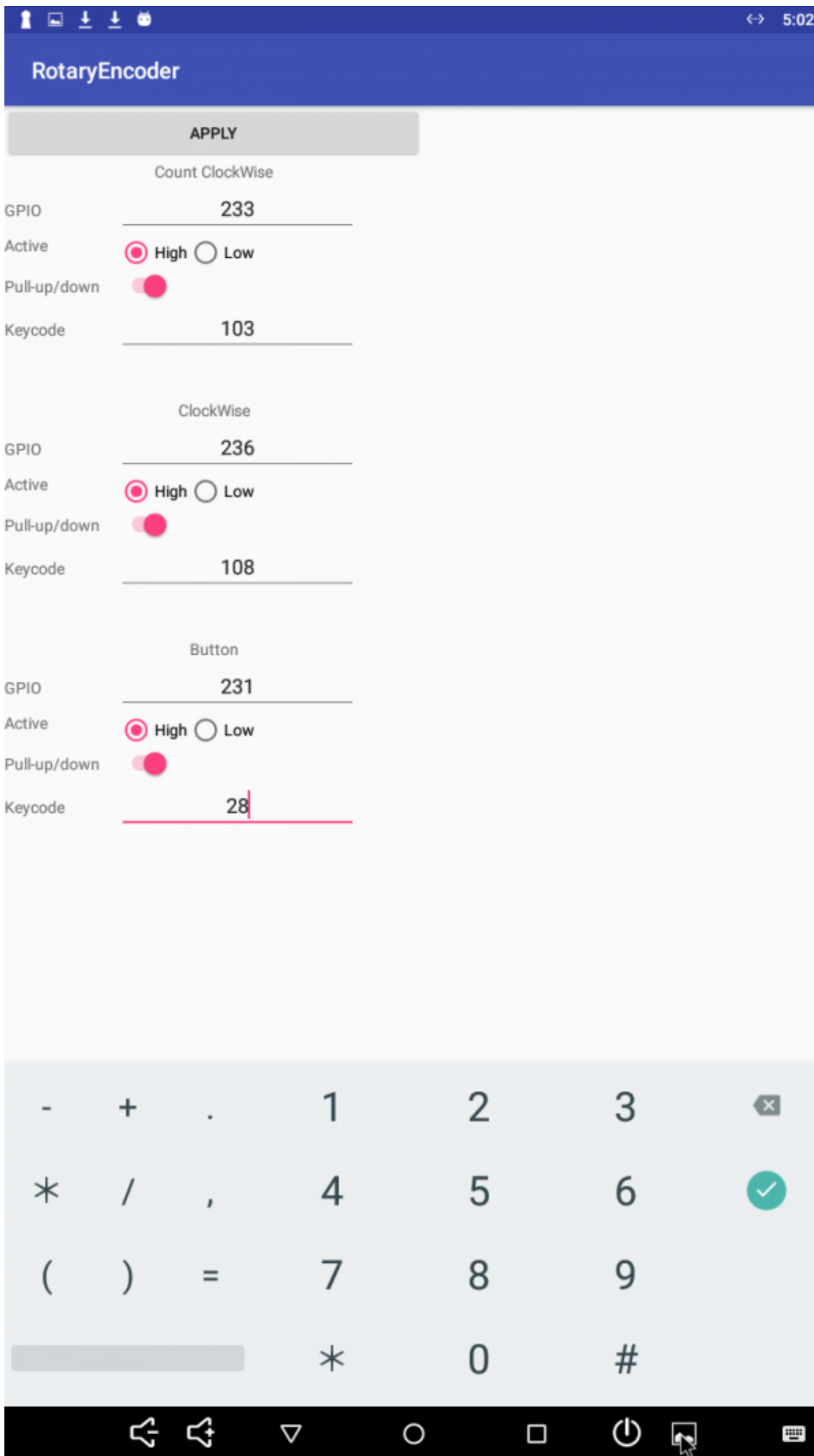
After install the Rotary-Encoder controller app, you can map the gpio code and keycode to each operations. you can change the keycode. [reference](#)

In first screen shot, Count clock wise operation is mapped to Volume Down, clock wise operations is mapped to Volume Up and switch button(push the Rotary-encoder) is mapped to mute key.



In second, Count clock wise operation is mapped to KEYCODE_DPAD_DOWN, clock wise operations is

mapped to KEYCODE_DPAD_UP, and switch button is mapped to KEYCODE_ENTER.



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