

BananaPi uses DVK-511

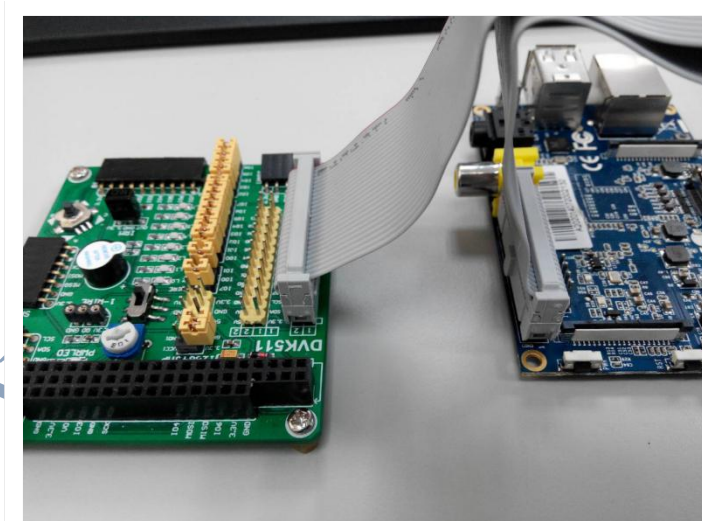
Infrared

By Justin Chen

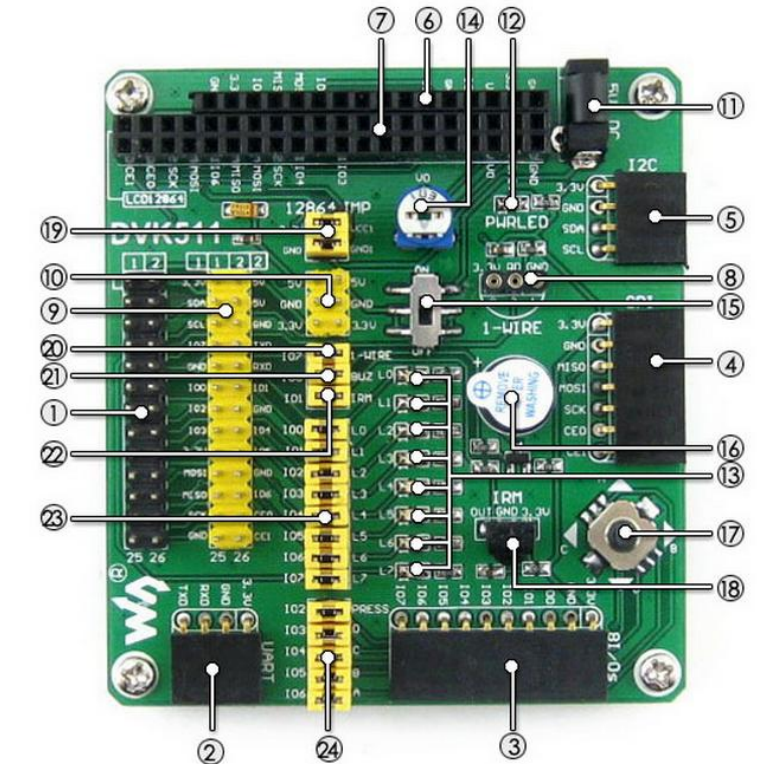
1. Please download the customized Raspbian Image for BananaPi from our website <http://www.bananapi.com> For how to burn the images to the SD card, please go to <http://www.bananapi.com/index.php/download?layout=edit&id=42>
2. The Image burn in SD card has preload the customized WiringPi Lib before, if download WiringPi Lib by yourself, you will need to modify it, otherwise it can't use; WiringPi Lib can find in /opt/gpio-lib.

```
pi@bananapi: /opt/gpio-lib
File Edit Tabs Help
pi@bananapi /opt/gpio-lib $ ls
RPi.GPIO-0.5.5 ScratchGPIO5 WiringBPi_Beta_V2.0
```

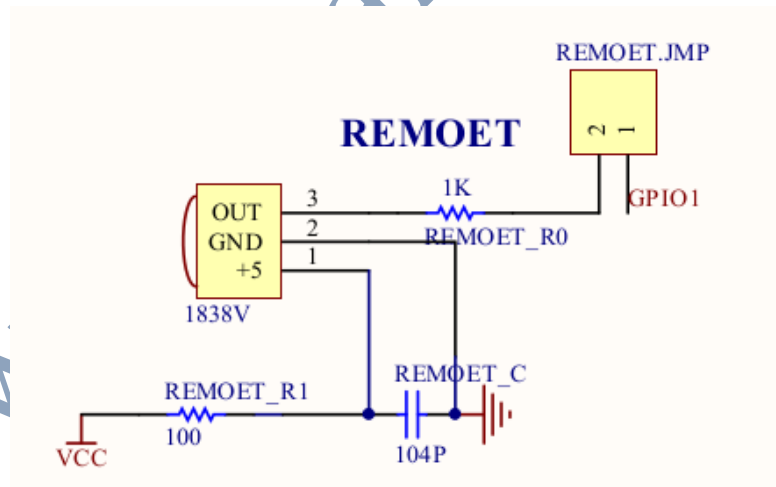
3. Please connect the BananaPi to the interface of DVK511.



4. The No.18 Jack of DVK511 is Infrared receiver, you need connect the jumper of No.22 Jack, Otherwise, it will affect its functionality.

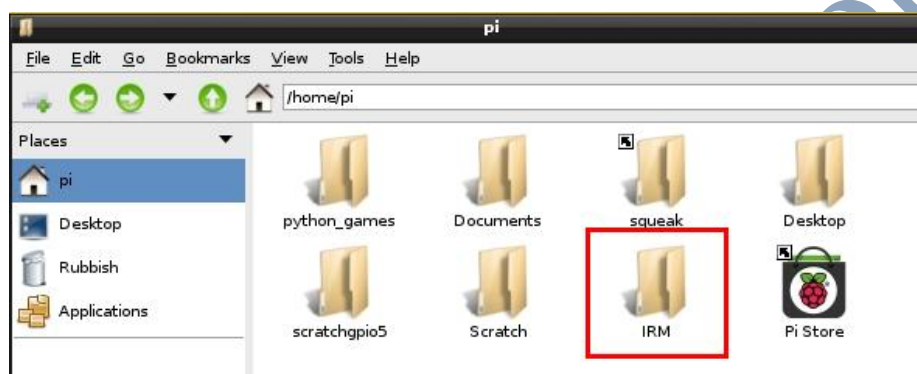
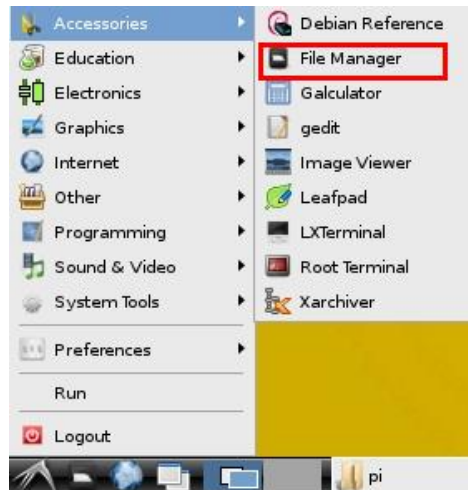


5. Check the Buzzer Map to find the corresponding point for each PIN.

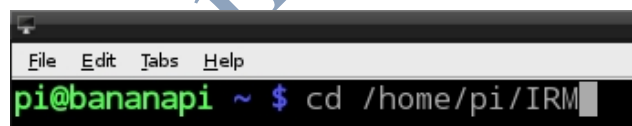


Above picture showed Infrared receiver corresponding table

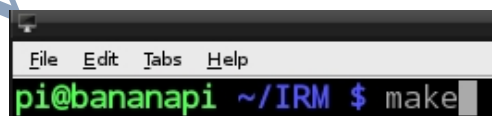
6. Use the Infrared sample code to check the functionality, outset File Manager and copy the IRM folder to the home dictionary.



Then outset LXTerminal, switch it to the IRM Folder.



Compile Infrared Code.



Run the code and outset the Infrared.



7. Finally Press the Infrared receiver and check the LXTerminal images, Weather there is Corresponding button to display.