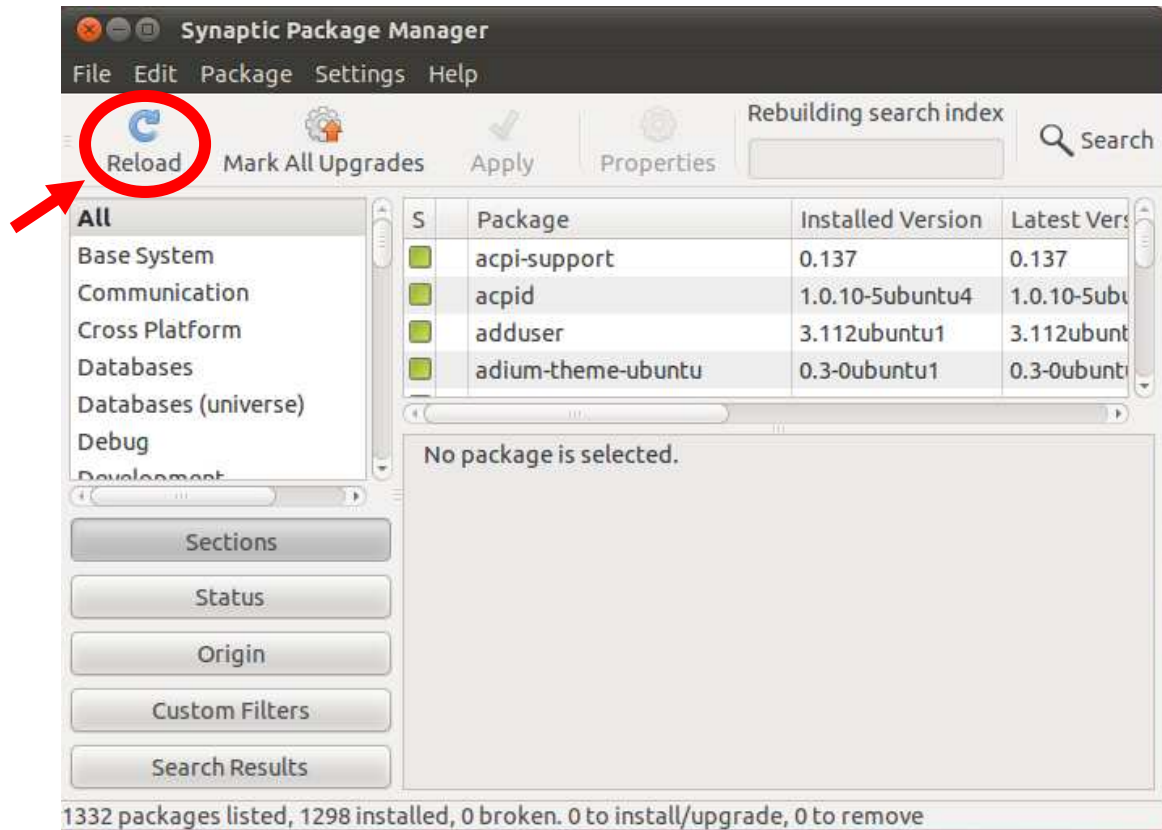
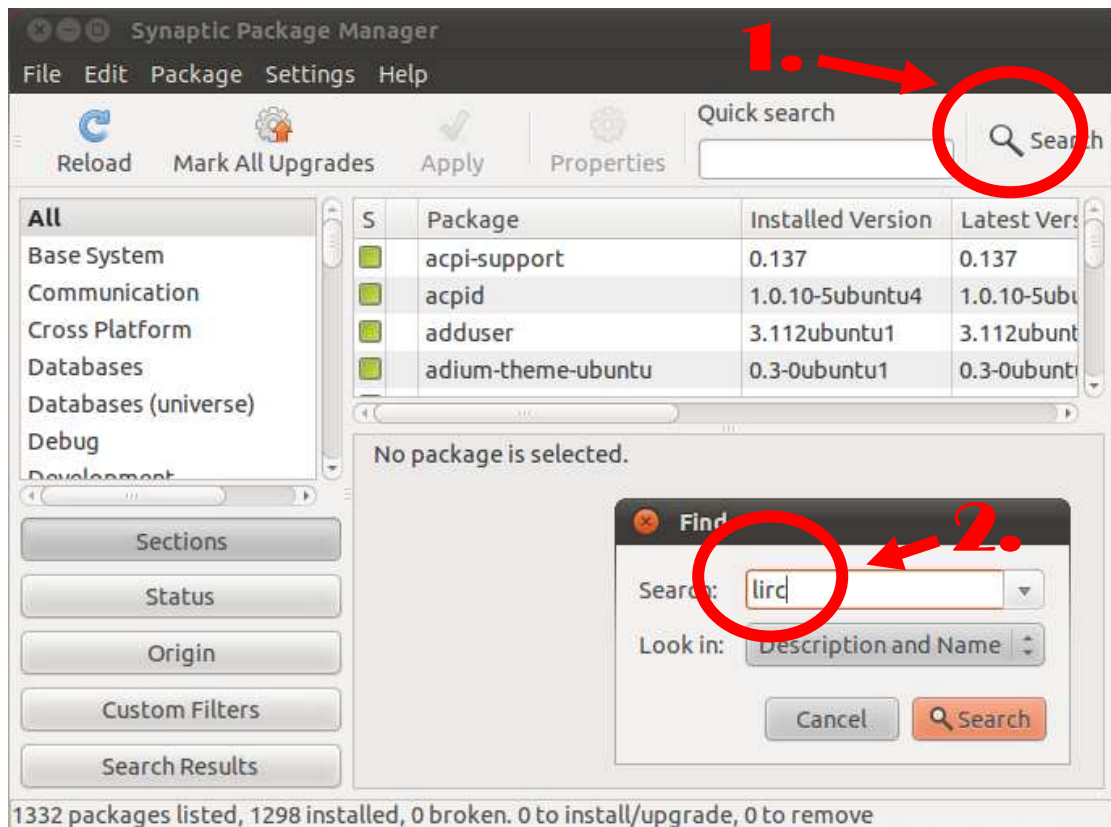


Installation Guide of lirc driver under Ubuntu 10.10 (kernel 2.6.35-22)

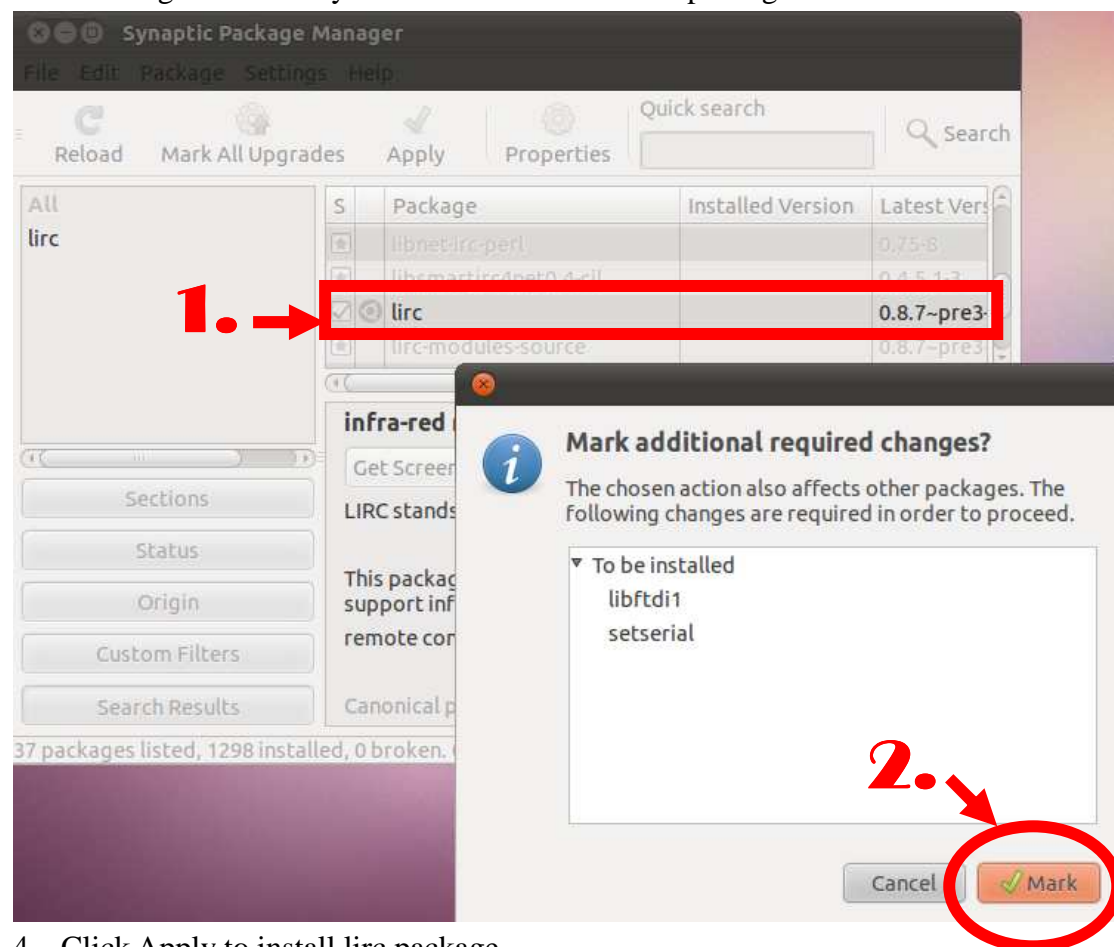
1. Open Synaptic Package Manager and click “Reload” button for updating.



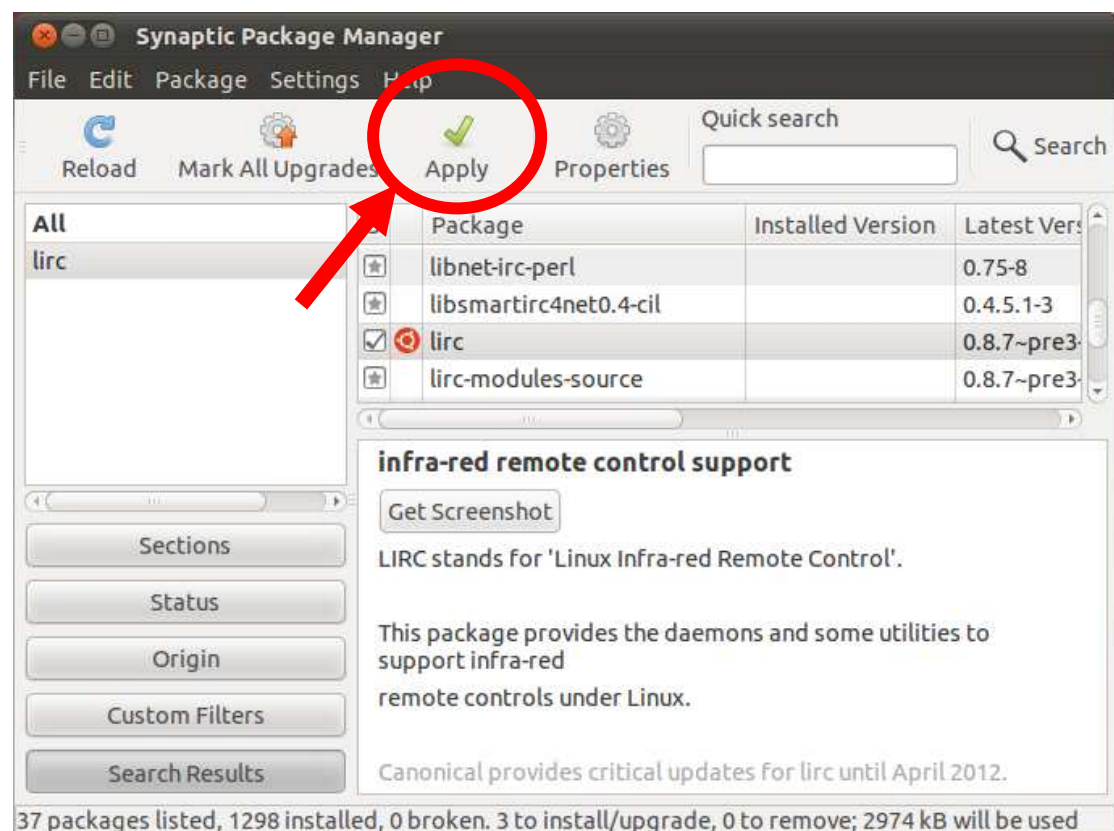
2. Enter “lirc” for searching.



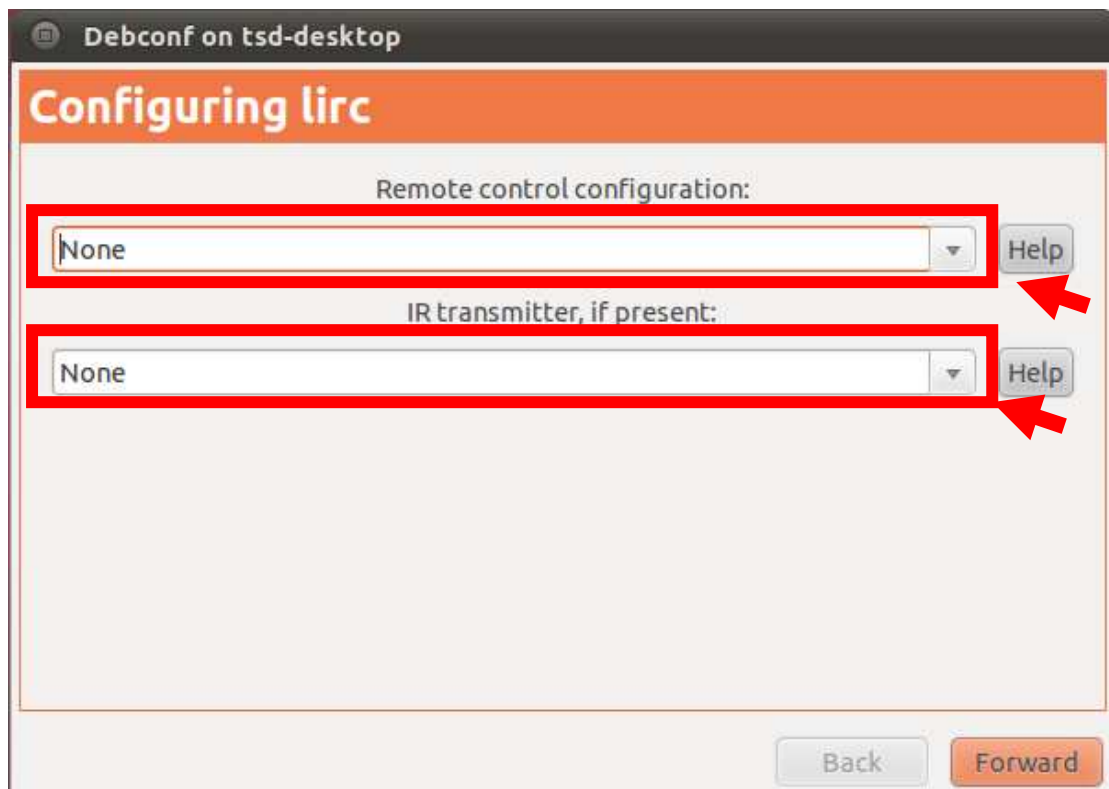
3. Click right button of your mouse and mark “lirc” package to install.



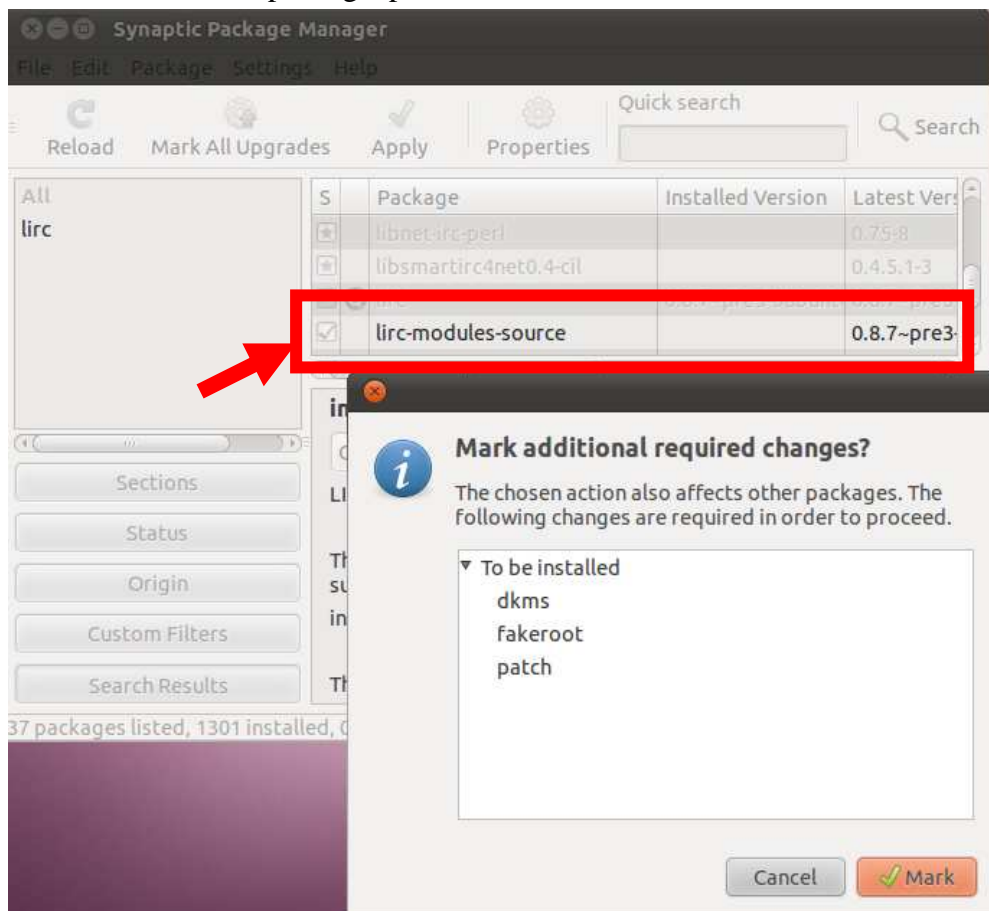
4. Click Apply to install lirc package



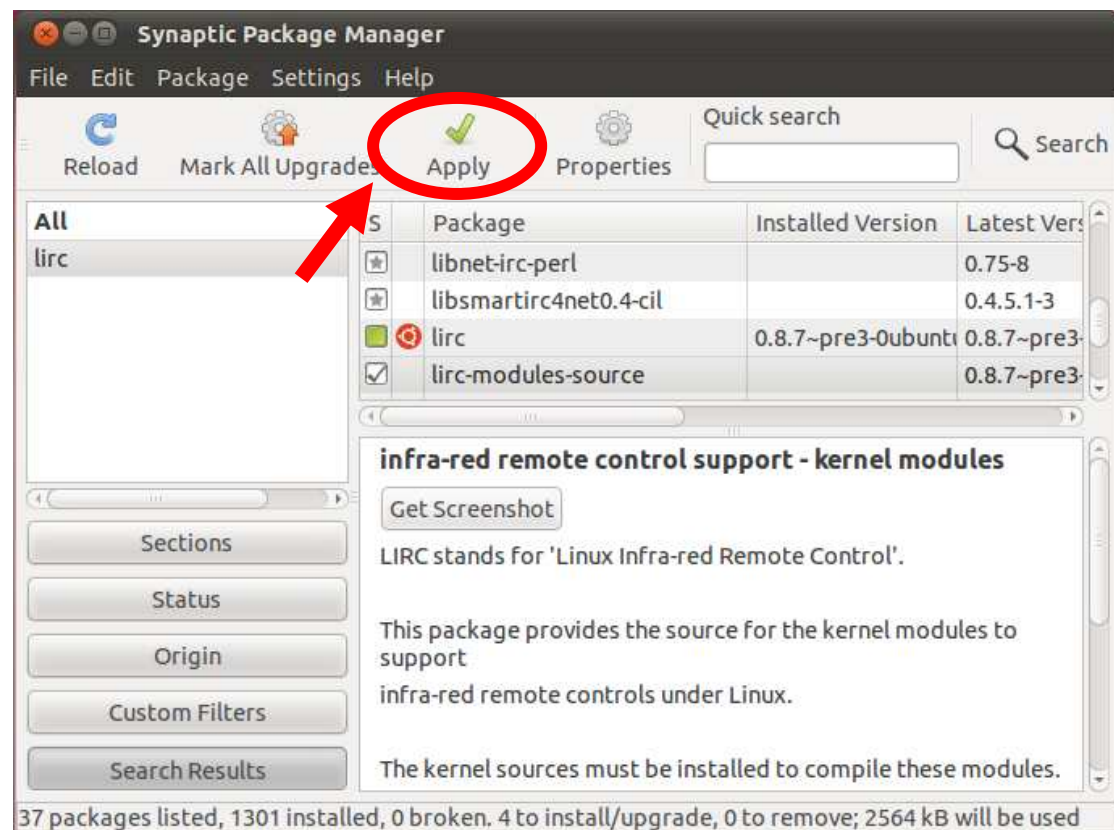
5. Select None for both column.



6. After install lirc package, please install lirc module source code as well.



7. Click Apply to install the source code of lirc module.



8. Please download the Nuvoton 677 binary and source code package from following link

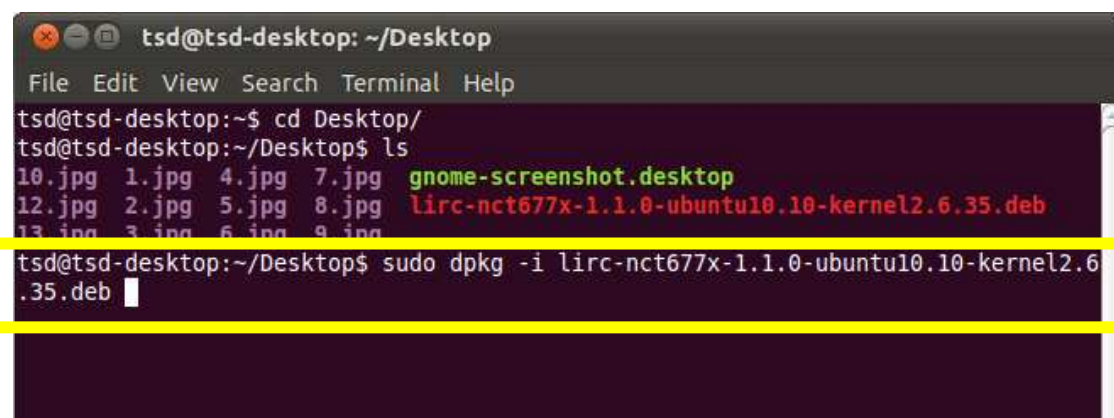
http://www.asrock.com/Nettop/download.asp?Model=ION_330HT&o=Linux

9. Open terminal and enter the folder which included Nuvoton 677 package.

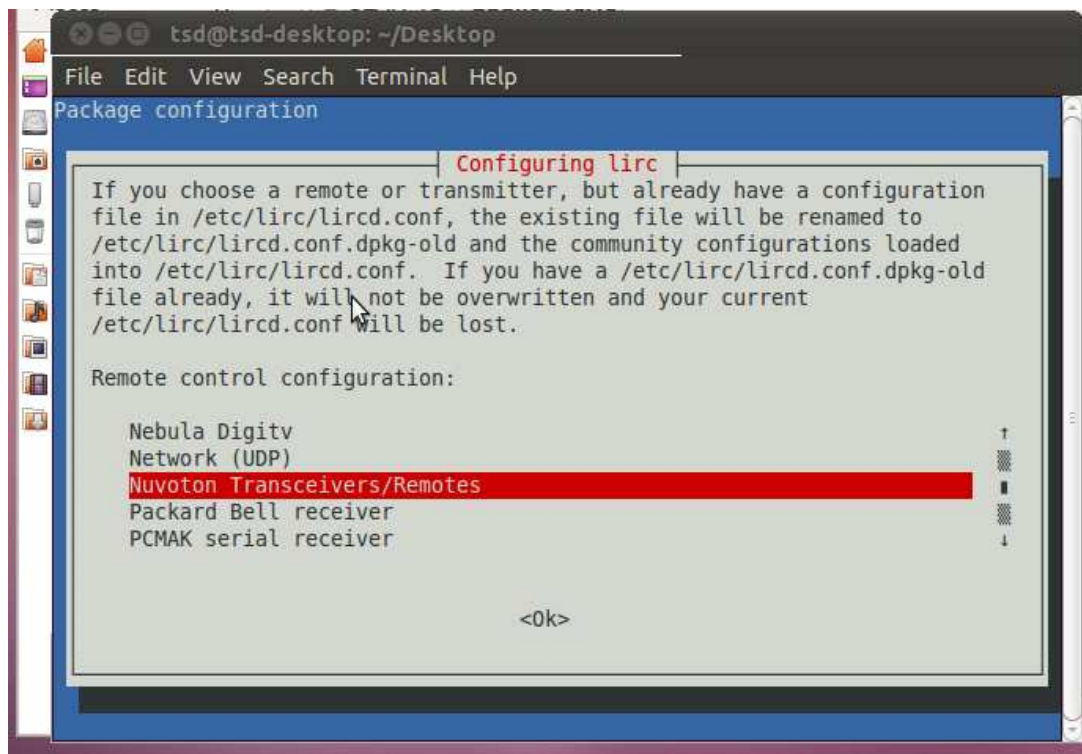
For example, we put the Nuvoton 677 package under Desktop.

Enter below command under terminal.

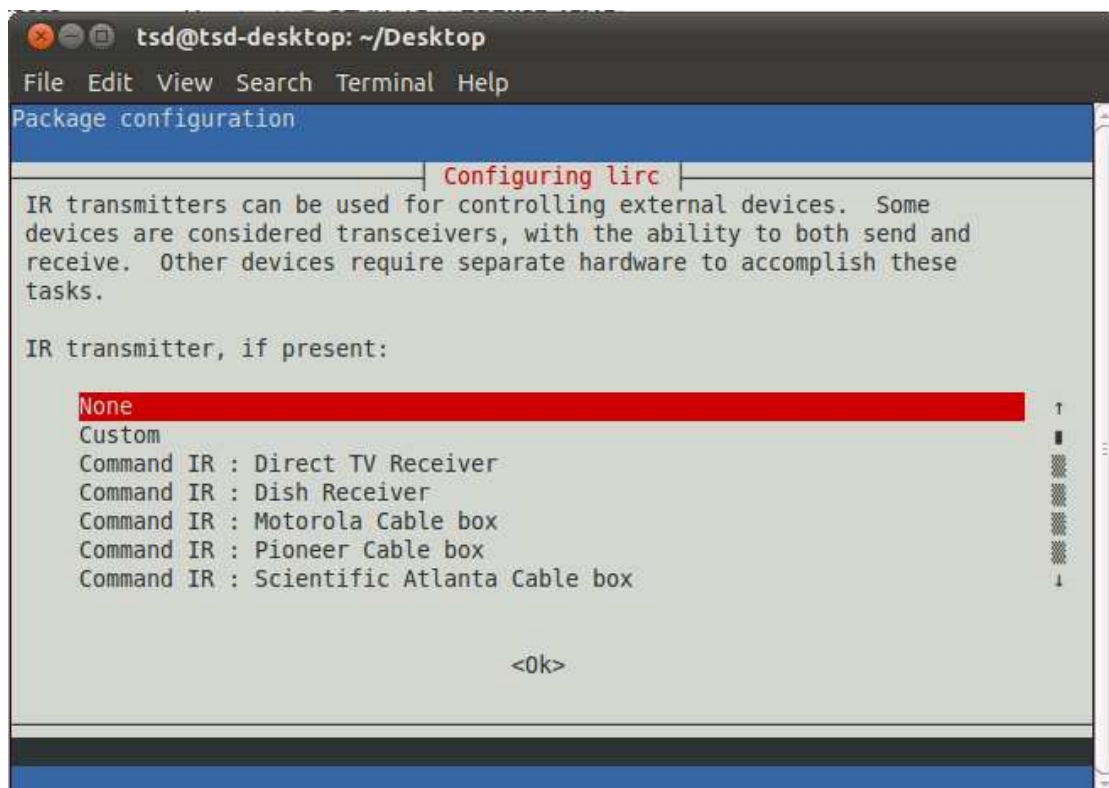
`Sudo dpkg -i lirc-nct677x-1.1.0-ubuntu10.10-kernel2.6.35.deb`



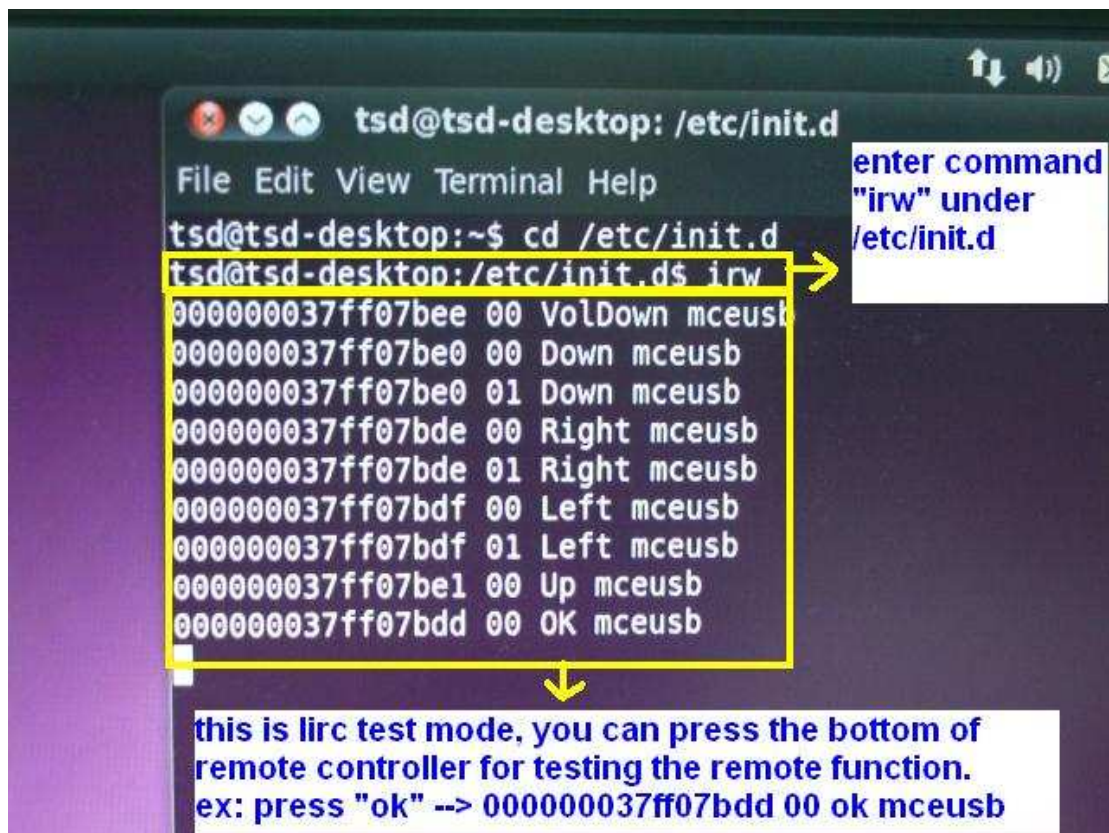
10. During installation, you will see the column as below, please choose Nuvoton Transceivers/Remotes for setting Remote control configuration.



11. Select None for IR transmitter.



12. Now, all require drivers have installed, please test the CIR function under terminal, if you can see the responds under terminal, you have install the lirc driver successfully.



The image shows a terminal window titled "tsd@tsd-desktop: /etc/init.d". The terminal content is as follows:

```
tsd@tsd-desktop:~$ cd /etc/init.d
tsd@tsd-desktop:/etc/init.d$ irw
0000000037ff07bee 00 VolDown mceusb
0000000037ff07be0 00 Down mceusb
0000000037ff07be0 01 Down mceusb
0000000037ff07bde 00 Right mceusb
0000000037ff07bde 01 Right mceusb
0000000037ff07bdf 00 Left mceusb
0000000037ff07bdf 01 Left mceusb
0000000037ff07be1 00 Up mceusb
0000000037ff07bdd 00 OK mceusb
```

Annotations in the image include:

- A yellow box highlights the command `irw` and the subsequent list of hex codes and actions.
- A yellow arrow points from the `irw` command to a text box on the right that says: "enter command 'irw' under /etc/init.d".
- A yellow arrow points from the bottom of the highlighted list to a text box at the bottom that says: "this is lirc test mode, you can press the bottom of remote controller for testing the remote function. ex: press 'ok' --> 0000000037ff07bdd 00 ok mceusb".