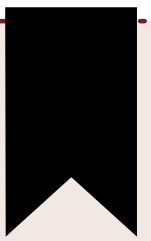# LIRC on Raspberry Pi

LIRC

setup and usage
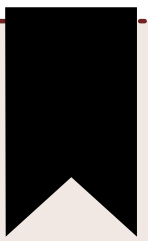
Setup
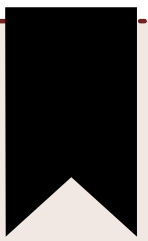
- download software

- enable

- configure

- for details:

  - http://alexba.in/blog/2013/01/06/setting-up-lirc-on-the-raspberrypi/
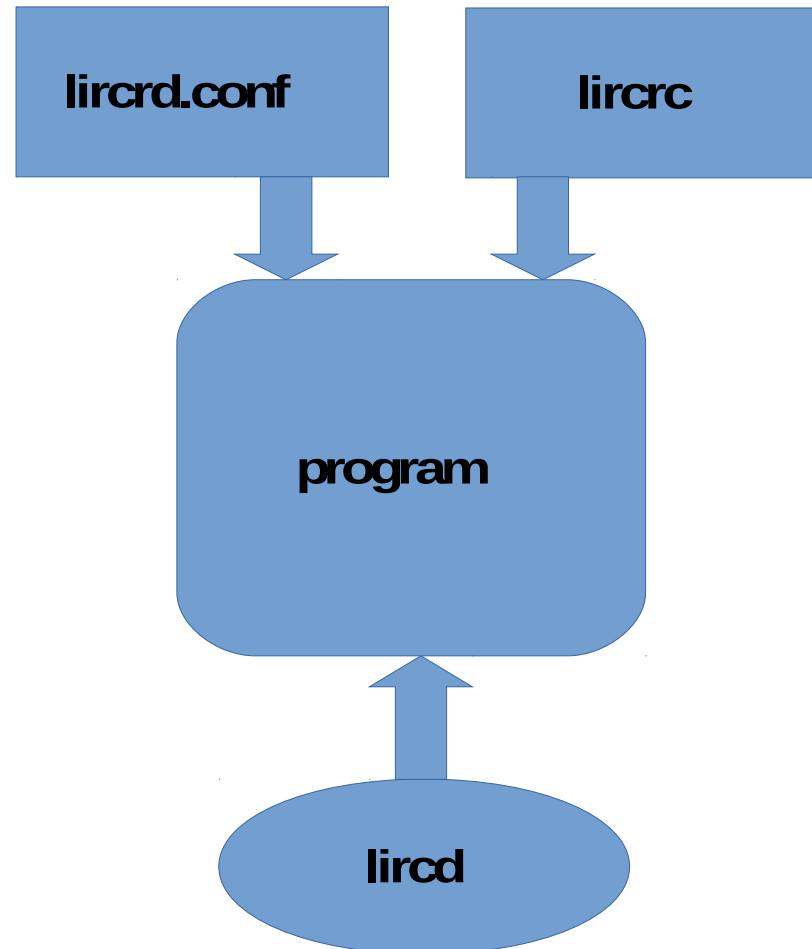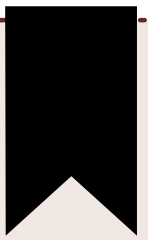
- set the gpio pins for the IR Recvr, in /etc/modules

Programming

- Need to configure the remote device – lircd.conf
  - can use irrecord, or if a conf file exists use it
- Need to configure the lircrc file
- Program:
  - The program opens the lircrc file with lirc.init(), and looks for 'prog'
  - The program checks for 'config' given a keypress defined by 'button' via the lirc.nextcode()

flow

Example

- lircd.conf:

  Lines like this define all IR codes: KEY_STOP   0x20DF

- lircrc:

```
begin
  prog = setalarm
  button = KEY_STOP
  config = stop
end
```

- lircrc rules: see http://www.g-loaded.eu/2006/01/10/how-to-configure-and-use-lirc/

- program

```
lstat = lirc.init( 'setalarm', '/etc/lirc/lircrc', 1)
x = lirc.nextcode()[0]
if (x == 'enter' or x == 'stop'):
    break
```