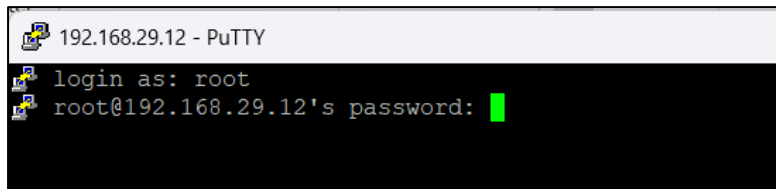
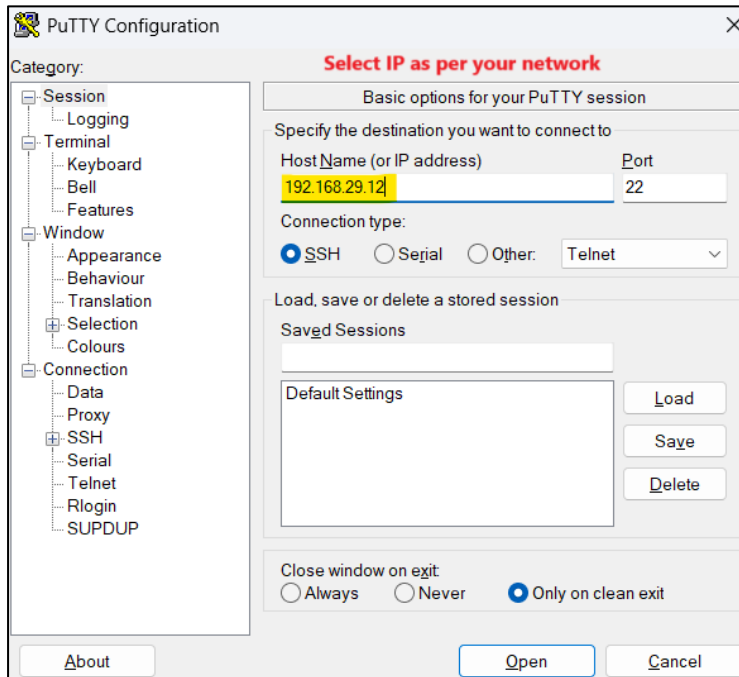


PiPocket IR Setup

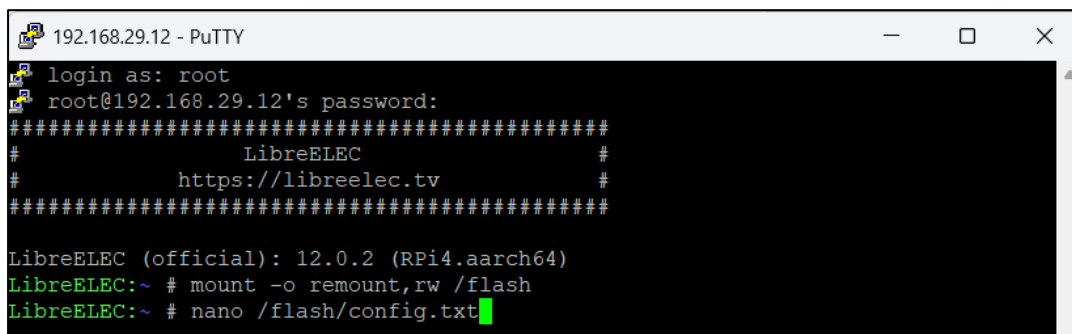
For LibreELEC OS

- **SSH into LibreELEC (default credentials: root/libreelec)**

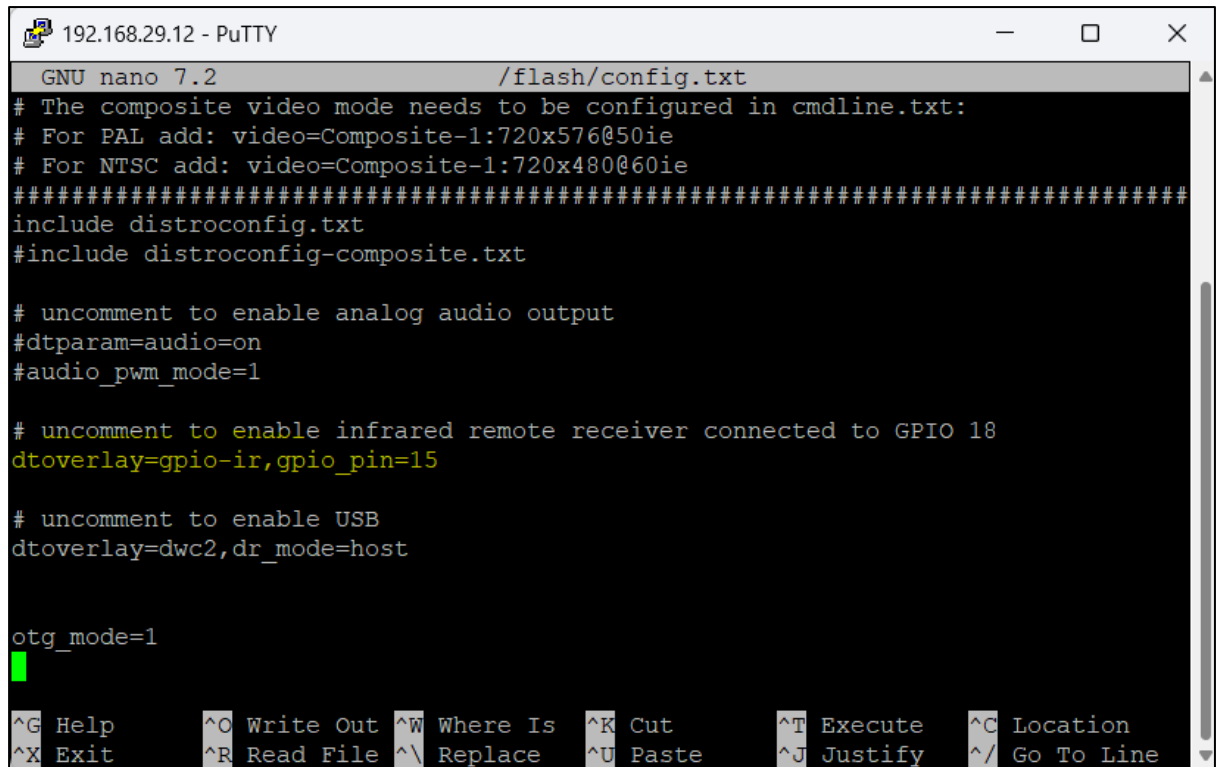


- **Edit the config.txt to enable the IR driver**

```
mount -o remount,rw /flash  
nano /flash/config.txt
```



We have IR connected on GPIO15 for PiPocket,



```
GNU nano 7.2 /flash/config.txt
# The composite video mode needs to be configured in cmdline.txt:
# For PAL add: video=Composite-1:720x576@50ie
# For NTSC add: video=Composite-1:720x480@60ie
#####
include distroconfig.txt
#include distroconfig-composite.txt

# uncomment to enable analog audio output
#dtparam=audio=on
#audio_pwm_mode=1

# uncomment to enable infrared remote receiver connected to GPIO 18
dtoverlay=gpio-ir,gpio_pin=15

# uncomment to enable USB
dtoverlay=dwc2,dr_mode=host

otg_mode=1
█

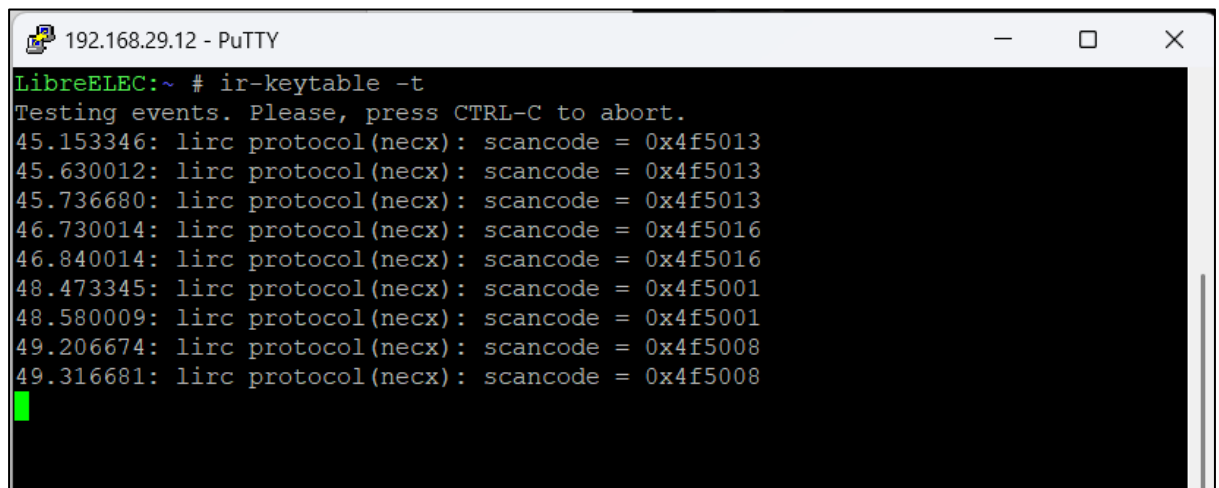
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^/ Go To Line
```

Save & Reboot

- **Verify IR Input**

ir-keytable -t

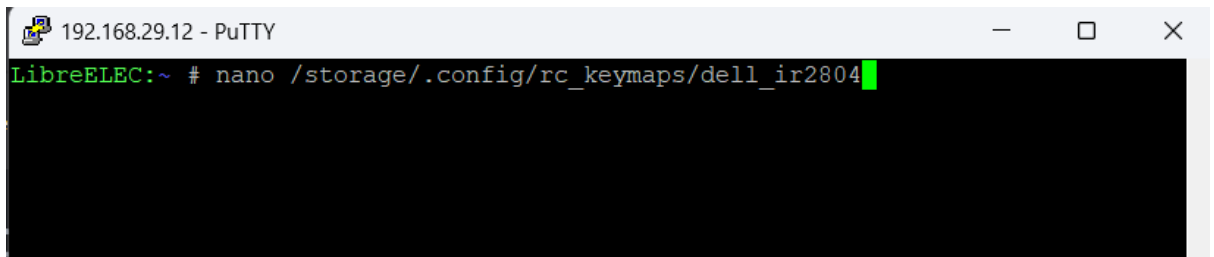
Press remote buttons → You should see raw scancodes.



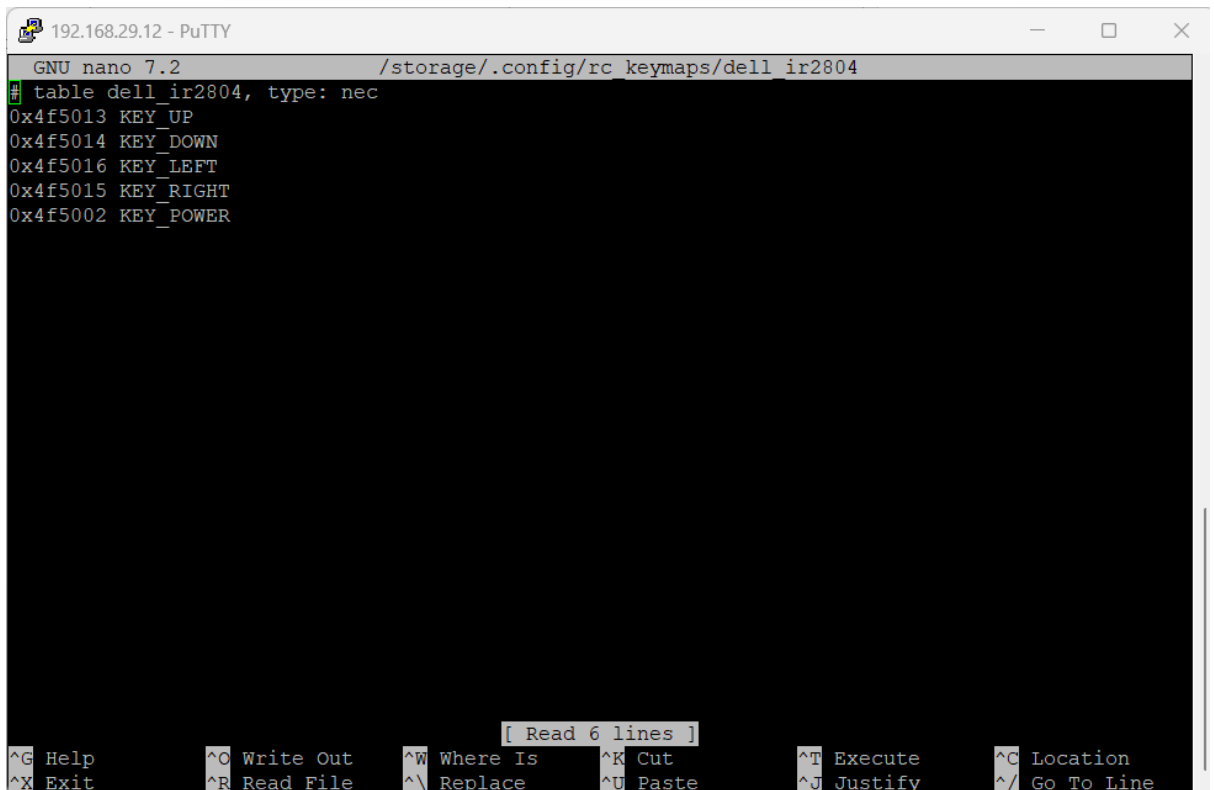
```
192.168.29.12 - PuTTY
LibreELEC:~ # ir-keytable -t
Testing events. Please, press CTRL-C to abort.
45.153346: lirc protocol(necx): scancode = 0x4f5013
45.630012: lirc protocol(necx): scancode = 0x4f5013
45.736680: lirc protocol(necx): scancode = 0x4f5013
46.730014: lirc protocol(necx): scancode = 0x4f5016
46.840014: lirc protocol(necx): scancode = 0x4f5016
48.473345: lirc protocol(necx): scancode = 0x4f5001
48.580009: lirc protocol(necx): scancode = 0x4f5001
49.206674: lirc protocol(necx): scancode = 0x4f5008
49.316681: lirc protocol(necx): scancode = 0x4f5008
█
```

Configure Remote

- There are some default, to add custom remote follow below steps, example using Dell Model No: IR2804 Remote



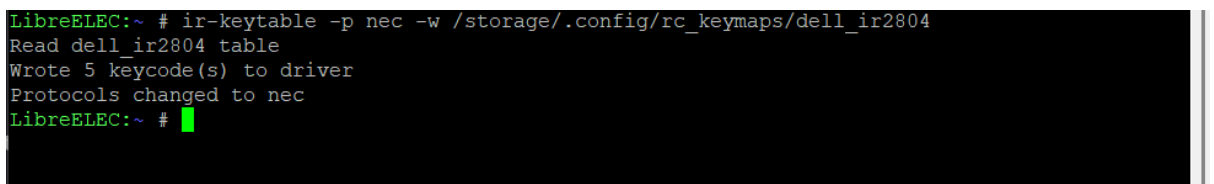
```
192.168.29.12 - PuTTY
LibreELEC:~ # nano /storage/.config/rc_keymaps/dell_ir2804
```



```
192.168.29.12 - PuTTY
GNU nano 7.2 /storage/.config/rc_keymaps/dell_ir2804
# table dell_ir2804, type: nec
0x4f5013 KEY_UP
0x4f5014 KEY_DOWN
0x4f5016 KEY_LEFT
0x4f5015 KEY_RIGHT
0x4f5002 KEY_POWER

[ Read 6 lines ]
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^_ Go To Line
```

Save & exit, then run below command to activate. Each time you change keymap run below command again to bring things in action.



```
LibreELEC:~ # ir-keytable -p nec -w /storage/.config/rc_keymaps/dell_ir2804
Read dell_ir2804 table
Wrote 5 keycode(s) to driver
Protocols changed to nec
LibreELEC:~ #
```

To get more details for each key mapping you can use **ir-keytable -t**, command as shown in above verify section.

Auto-start Remote

Once you reboot then remote feature will stop, so to make it run automatically when device reboot

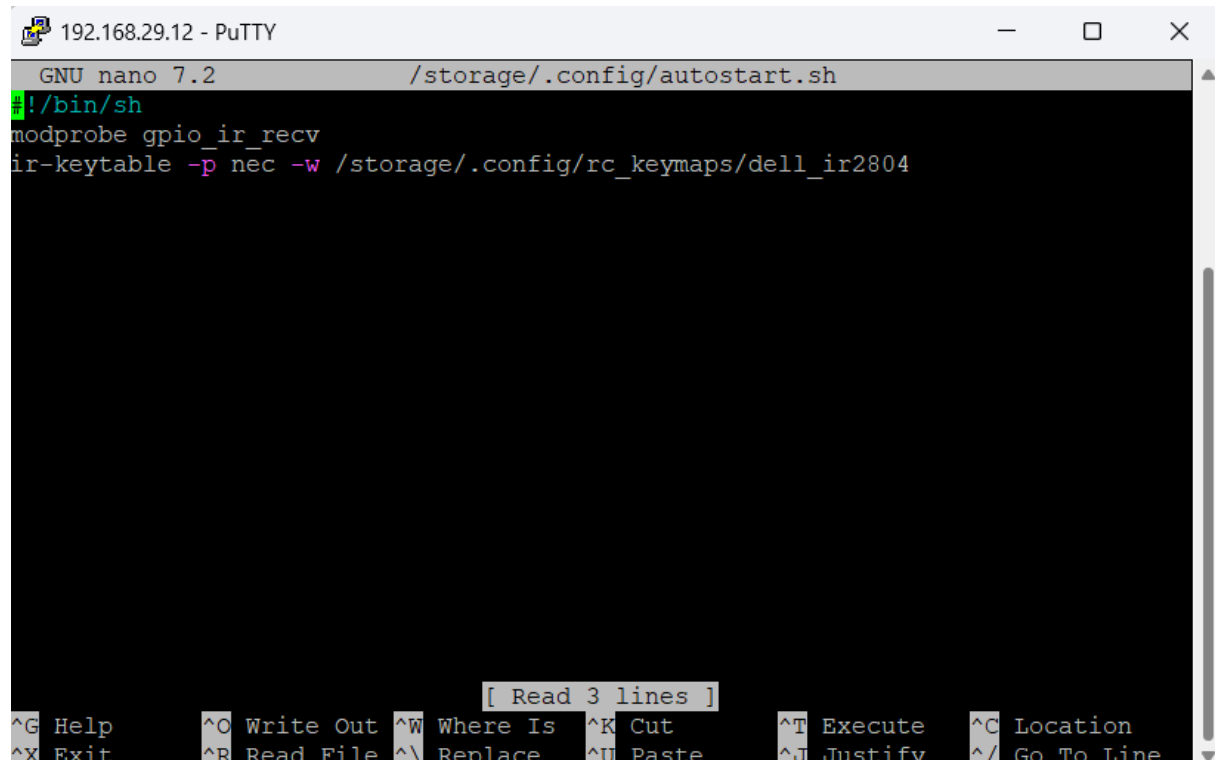
add this to /storage/.config/autostart.sh:

```
#!/bin/sh
```

```
modprobe gpio_ir_recv
```

```
ir-keytable -p nec -w /storage/.config/rc_keymaps/dell_ir2804
```

```
LibreELEC:~ # nano /storage/.config/autostart.sh
```



```
192.168.29.12 - PuTTY
GNU nano 7.2 /storage/.config/autostart.sh
#!/bin/sh
modprobe gpio_ir_recv
ir-keytable -p nec -w /storage/.config/rc_keymaps/dell_ir2804
[ Read 3 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

make it executable:

```
chmod +x /storage/.config/autostart.sh
```

reboot

```
LibreELEC:~ # nano /storage/.config/autostart.sh
LibreELEC:~ # chmod +x /storage/.config/autostart.sh
LibreELEC:~ # reboot
```