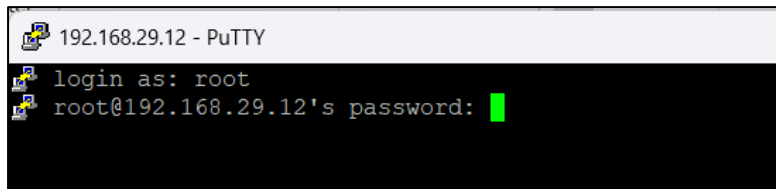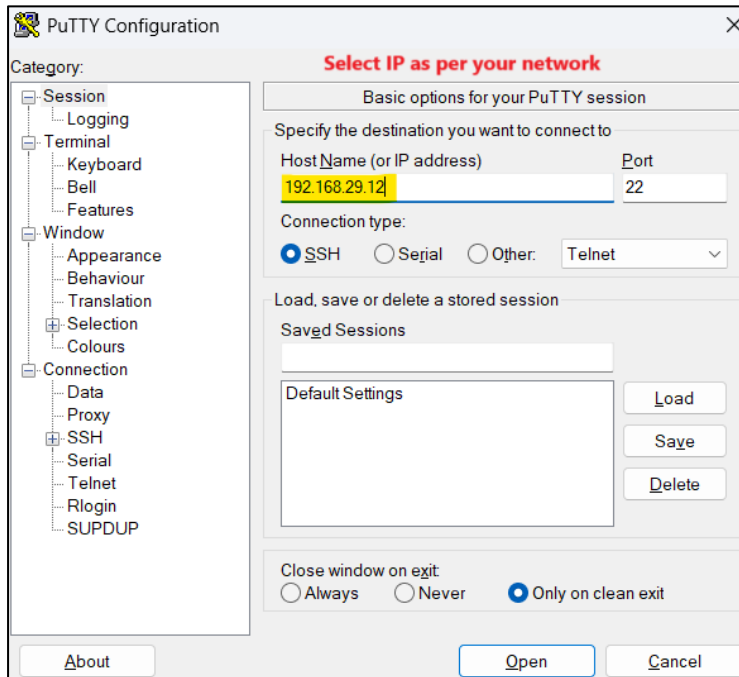# PiPocket IR Setup

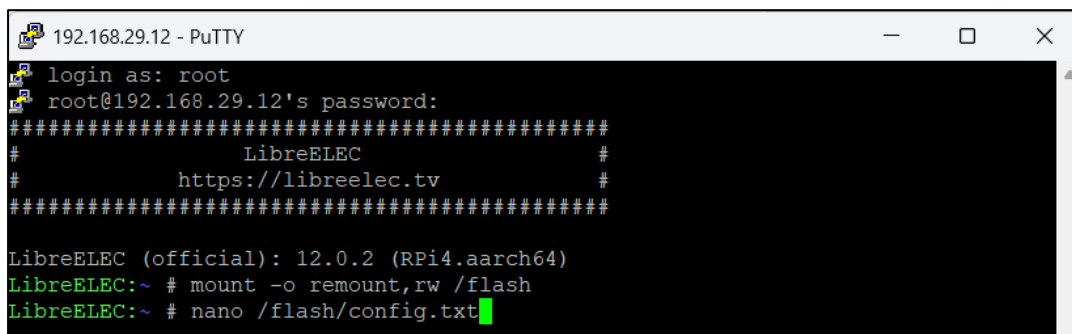## For LibreELEC OS

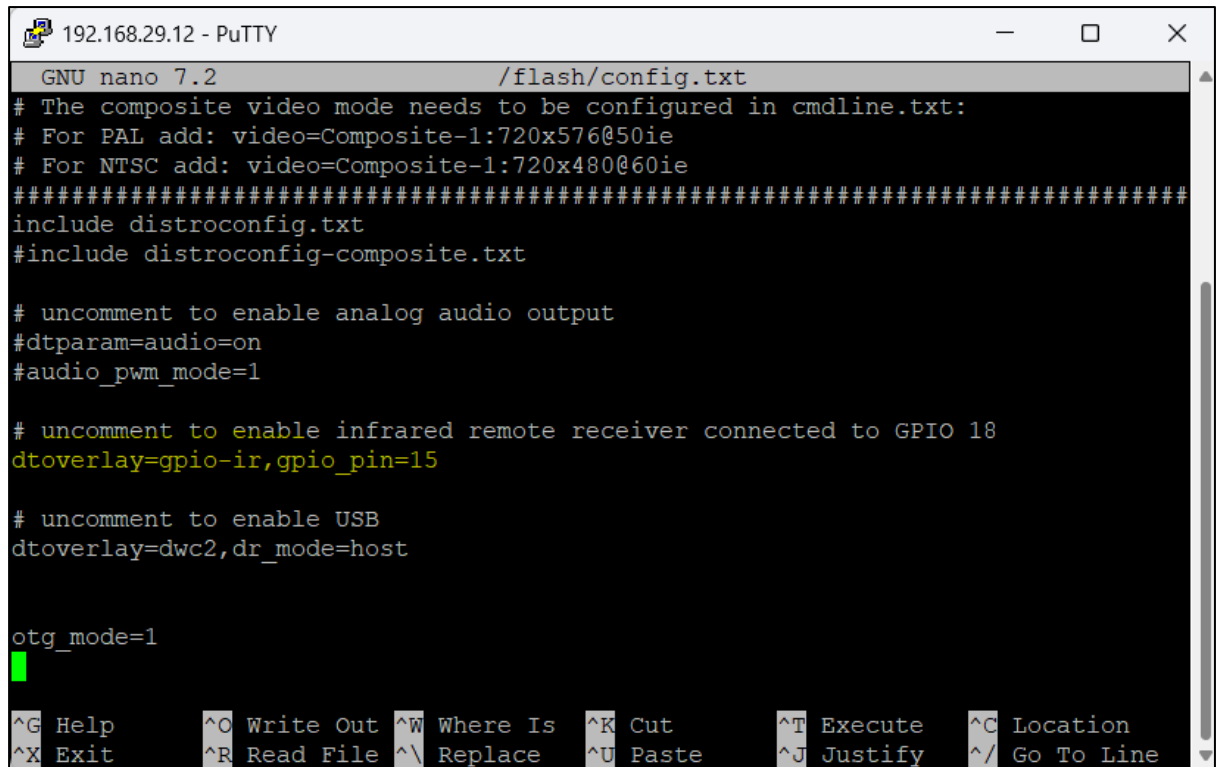- **SSH into LibreELEC (default credentials: root/libreelec)**

- **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,

Save & Reboot

- **Verify IR Input**

  ir-keytable -t

  Press remote buttons → You should see raw scancodes.

Configure Remote

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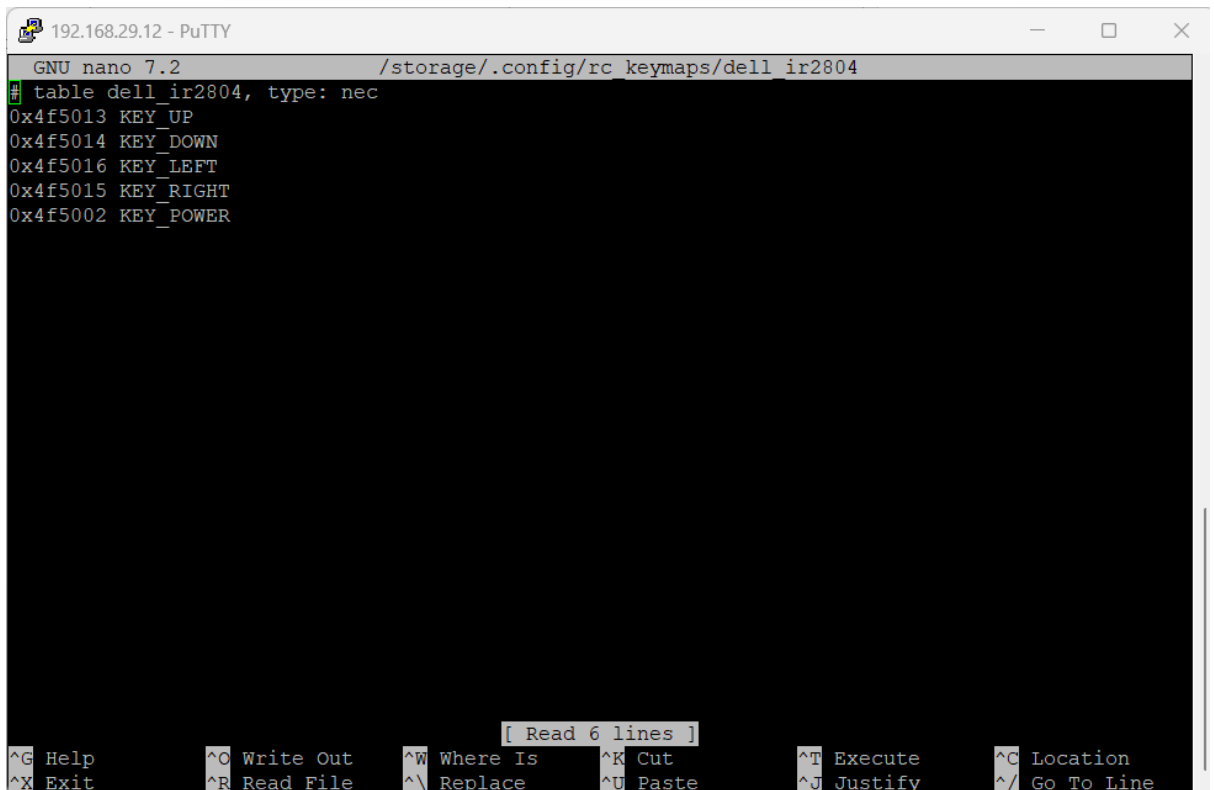

```
192.168.29.12 - PuTTY                                          —   □   ×
LibreELEC:~ # nano /storage/.config/rc_keymaps/dell_ir2804
```



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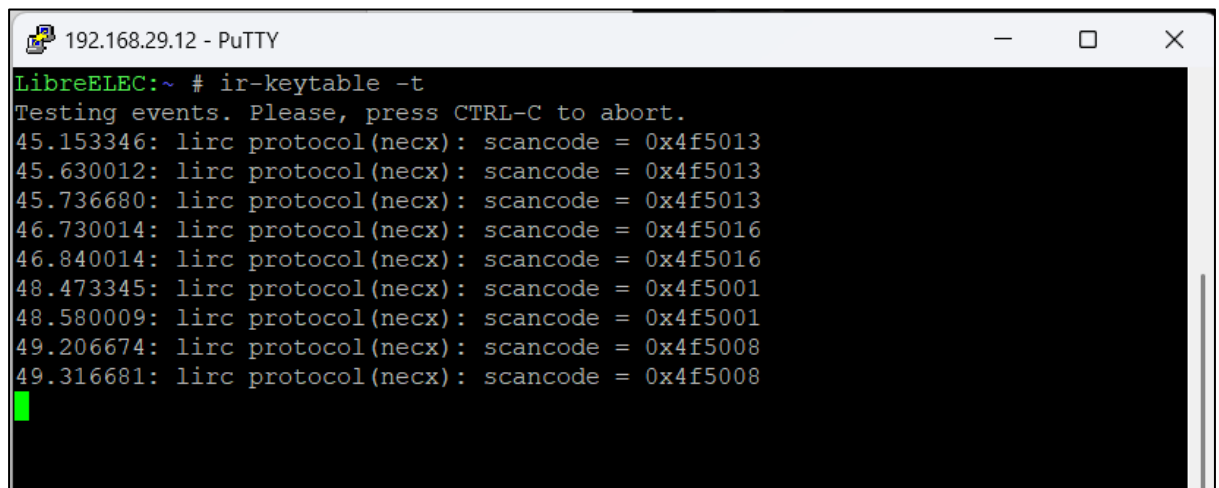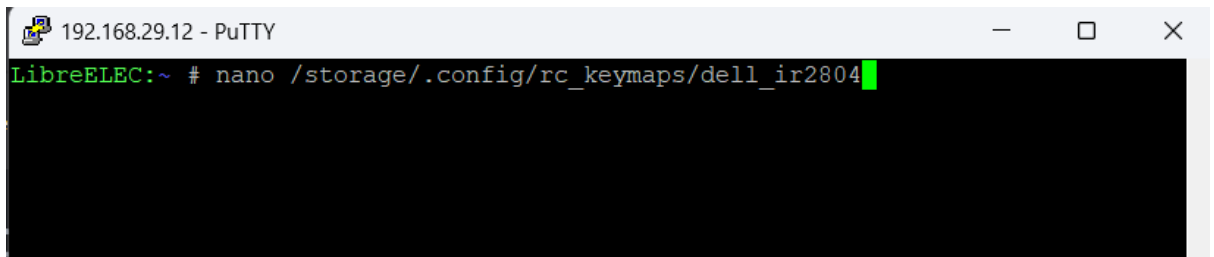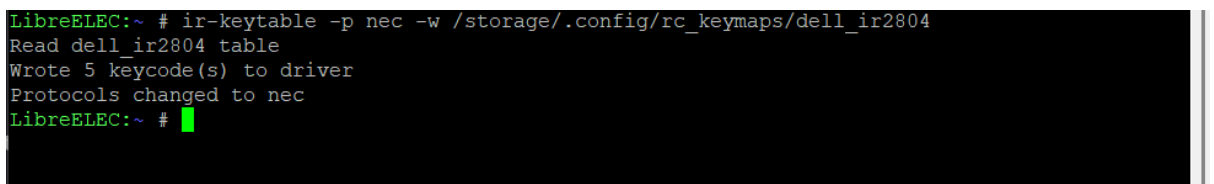
Save & exit, then run below command to activate. Each time you change keymap run below command again to bring things in action.


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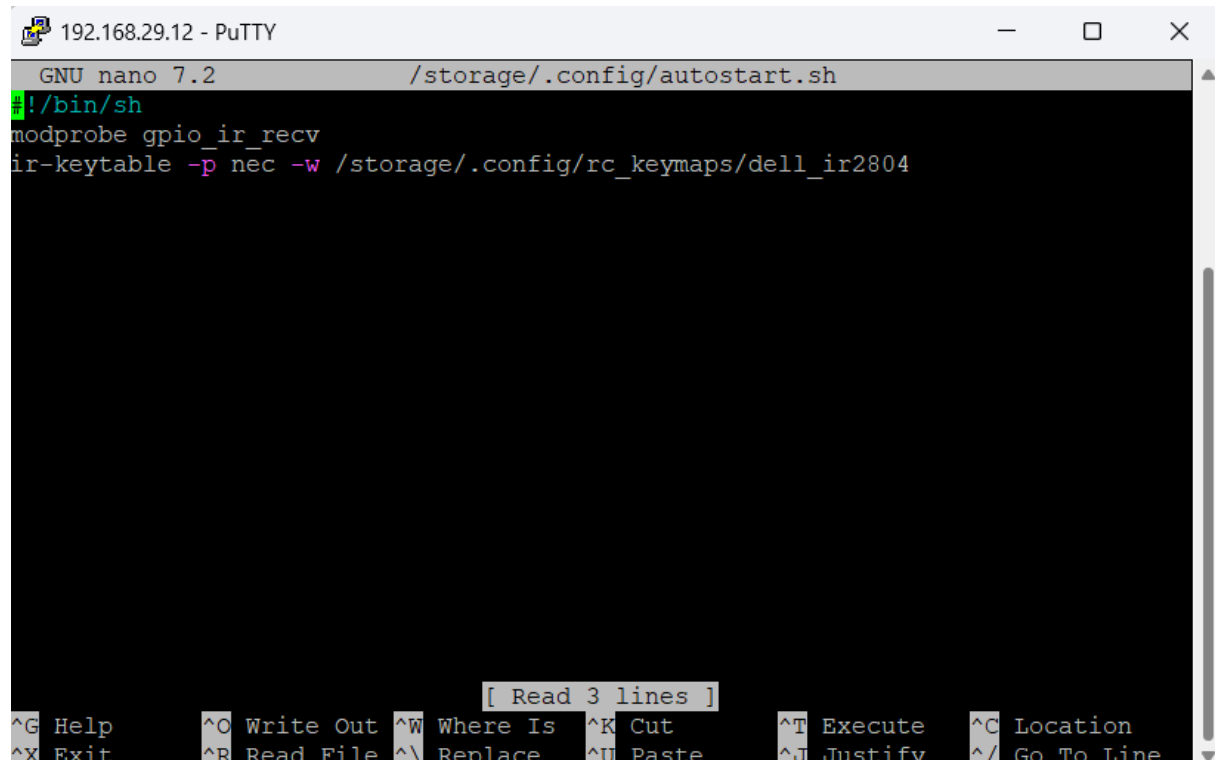
add this to /storage/.config/autostart.sh:

#!/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
```