install i3

/usr/lib/apt/apt-helper download-file http://debian.sur5r.net/i3/pool/main/s/sur5r-keyring/sur5r-keyring\_2017.01.02\_all.deb keyring.deb SHA256:4c3c6685b1181d83efe3a479c5ae38a2a44e23add55e16a328b8c8560bf05e5f

dpkg -i ./keyring.deb

echo "deb http://debian.sur5r.net/i3/ $(grep '^DISTRIB\_CODENAME=' /etc/lsb-release | cut -f2 -d=) universe" >> /etc/apt/sources.list.d/sur5r-i3.list

apt update

apt install i3

---------------------------------------------Ricing Ubuntu--------------------------------------------------------

install pywal - theming ubuntu

<https://github.com/dylanaraps/pywal/wiki/Installation>

sudo apt-get install python3-pip

sudo apt install python-pip

pip install --upgrade pip

sudo -H pip3 install pywal

install compton - composite manager

sudo apt-add-repository ppa:richardgv/compton  
sudo apt-get update  
sudo apt-get install compton

--------------------------------------Other stuff-------------------------------------------------------------

**Speakers**

The speakers have no sound at boot and after resume from suspend. I fixed these by setting GPIO flags at boot and after resume. First, we need the alsa-tools package

sudo apt-get install alsa-tools

To make the speakers work after boot:

sudo nano /etc/rc.local to add the following command before "exit 0"  
  
hda-verb /dev/snd/hwC1D0 0x1 set\_gpio\_data 1 To make the speakers work

after resume, I edited /etc/pm/sleep.d/99\_myfix that I created above

sudo nano /etc/pm/sleep.d/99\_myfix

to add the following before ";;"

hda-verb /dev/snd/hwC1D0 0x1 set\_gpio\_mask 1 sleep 1 hda-verb  
/dev/snd/hwC1D0 0x1 set\_gpio\_direction 1 sleep 1 hda-verb  
/dev/snd/hwC1D0 0x1 set\_gpio\_data 1

The sleep commands are here because without them the flags are not all set sometimes.

# **Pulse Audio controls**

bindsym XF86AudioRaiseVolume exec pactl set-sink-volume @DEFAULT\_SINK@ +2%; exec pactl set-sink-mute @DEFAULT\_SINK@ 0  
bindsym XF86AudioLowerVolume exec pactl set-sink-volume @DEFAULT\_SINK@ -2%; exec pactl set-sink-mute @DEFAULT\_SINK@ 0  
bindsym XF86AudioMute exec pactl set-sink-mute @DEFAULT\_SINK@ toggle

# **Media player controls**

(need playerctl - <https://github.com/acrisci/playerctl/releases>)

bindsym XF86AudioPlay exec playerctl play-pause  
bindsym XF86AudioNext exec playerctl next  
bindsym XF86AudioPrev exec playerctl previous

# **Sreen brightness controls**

(need xbacklight - sudo apt install xbacklight)

bindsym XF86MonBrightnessUp exec xbacklight -inc 20 # increase screen brightness  
bindsym XF86MonBrightnessDown exec xbacklight -dec 20 # decrease screen brightness

**Keyboard backlight**

Add the mactel PPA by [following these instructions](https://wiki.ubuntu.com/MactelSupportTeam/PPA).

Install packages applesmc-dkms and hid-dkms.

Reboot.

sudo vi /usr/local/bin/keyboard-backlight and add:

#!/bin/bash  
VALUE=$(cat /sys/class/leds/smc::kbd\_backlight/brightness)  
INCREMENT=32  
TOTAL=unset  
  
case $1 in  
up)  
 TOTAL=`expr $VALUE + $INCREMENT`  
 ;;  
down)  
 TOTAL=`expr $VALUE - $INCREMENT`  
 ;;  
full)  
 TOTAL=255  
 ;;  
off)  
 TOTAL=0  
 ;;  
esac  
  
if [ $TOTAL == unset ]; then  
 echo "Please specify up, down, full, or off"  
 exit 1  
fi  
  
if [ $TOTAL -gt 255 ]; then TOTAL=255; fi  
if [ $TOTAL -lt 0 ]; then TOTAL=0; fi   
echo $TOTAL > /sys/class/leds/smc::kbd\_backlight/brightness

Followed by sudo chmod 755 /usr/local/bin/keyboard-backlight.

sudo visudo and add the line:

your\_username\_goes\_here ALL=NOPASSWD:/usr/local/bin/keyboard-backlight up, /usr/local/bin/keyboard-backlight down

Go to System > Preferences > Keyboard Shortcuts.

Add new shortcuts:

Increase Keyboard Backlight Brightness/sudo keyboard-backlight up and

Decrease Keyboard Backlight Brightness/sudo keyboard-backlight down.

Set each to the correct key by clicking the key mapping box and pressing the key.

**I3 lock (altough installed already in i3-gaps script, this one fancy doe.)**

<https://github.com/meskarune/i3lock-fancy>

for i3status, install sudo apt-get install ttf-ancient-fonts

**vim -latex**

<http://lukesmith.xyz/latex>

**i3 blocks**

The blocklet playerctl leaves (null) - (null) when spotify is not started and BLOCK\_INSTANCE is set to spotify,  
i think it should disappear, when spotify is not running.

i tried fixing it by adding

ps -e | grep "${INSTANCE}" &> /dev/null

fi

if [ $? == 1 ]; then

exit 0

right after line 7, so the block disappears when spotify is stopped.  
not tested with other instances