SETTING UP A RASPBERRY PI ZERO AS A SLIDESHOW EXHIBITOR

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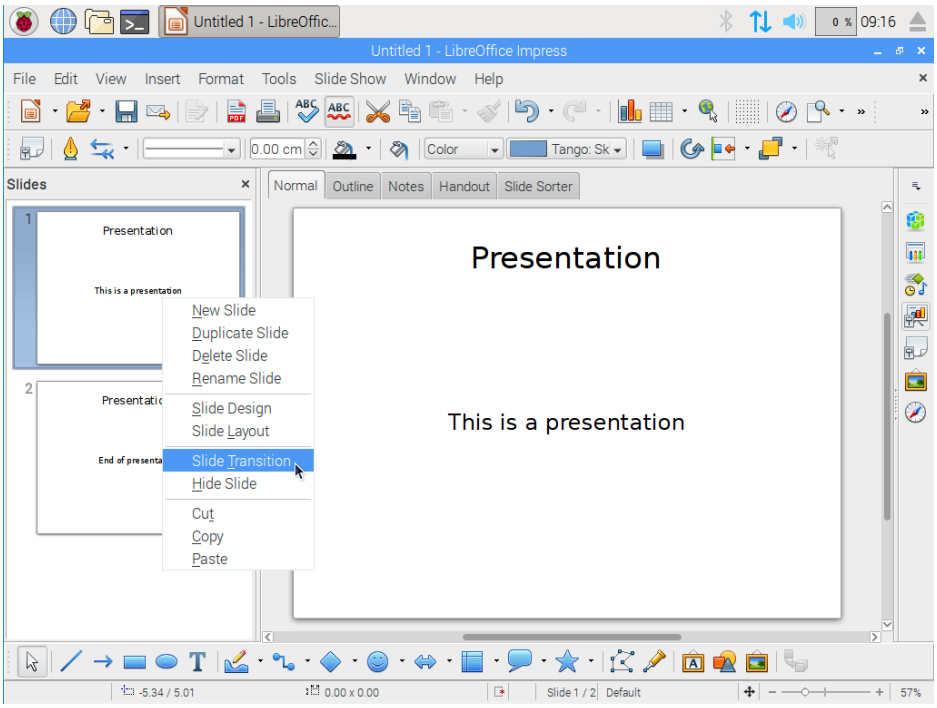
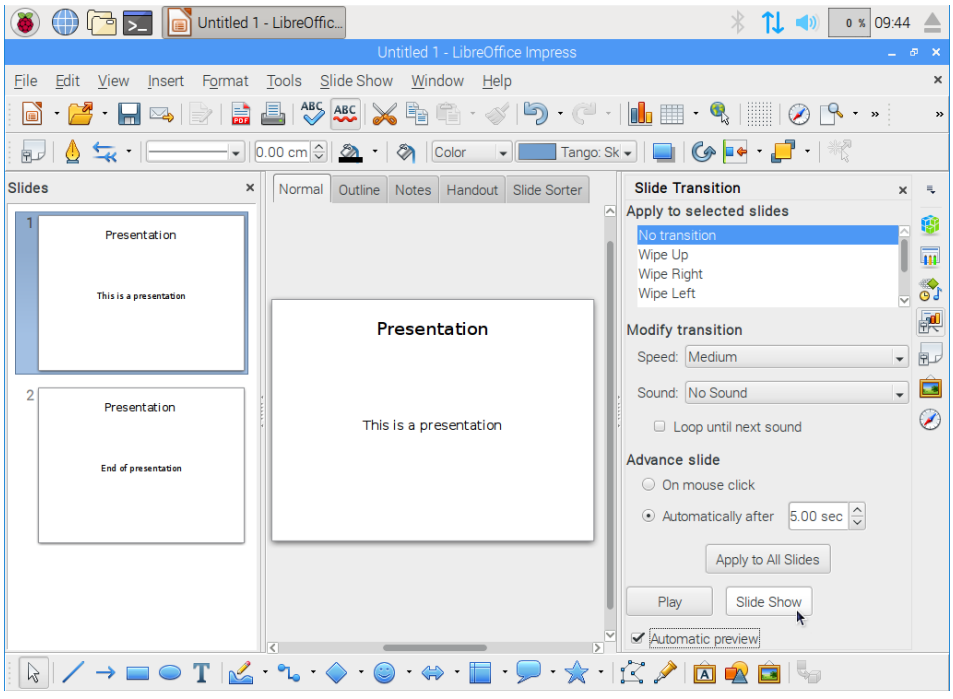
SETTING UP AN AUTOMATIC SLIDE SHOW

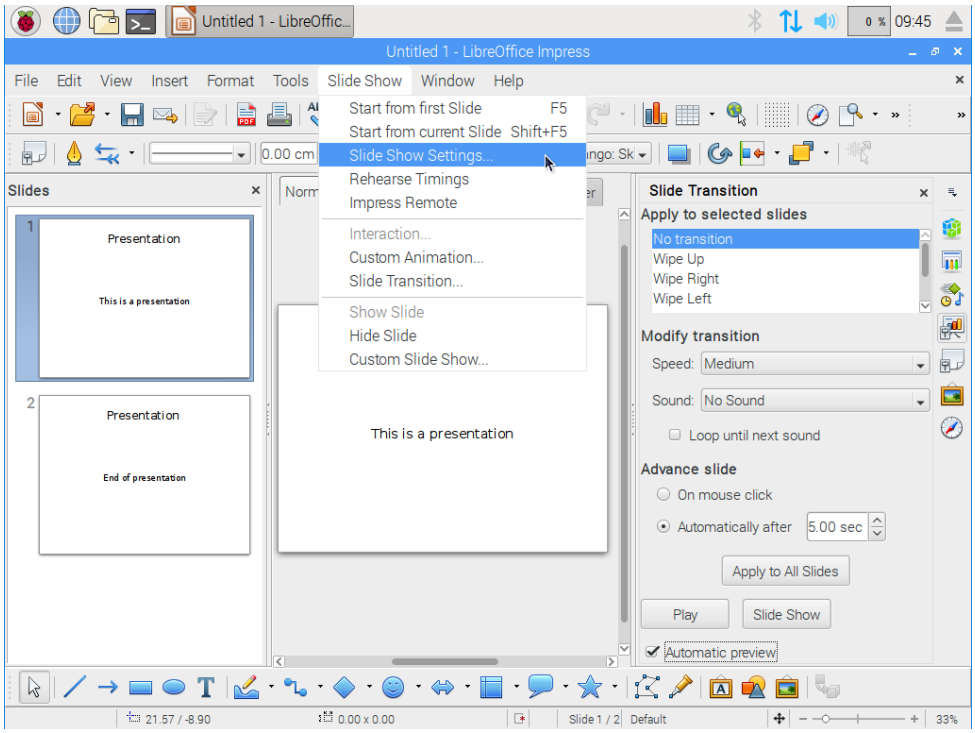
Open your selected slideshow presentation with **LibreOffice Impress**, then right-click on any slide and click on **Slide Transition**



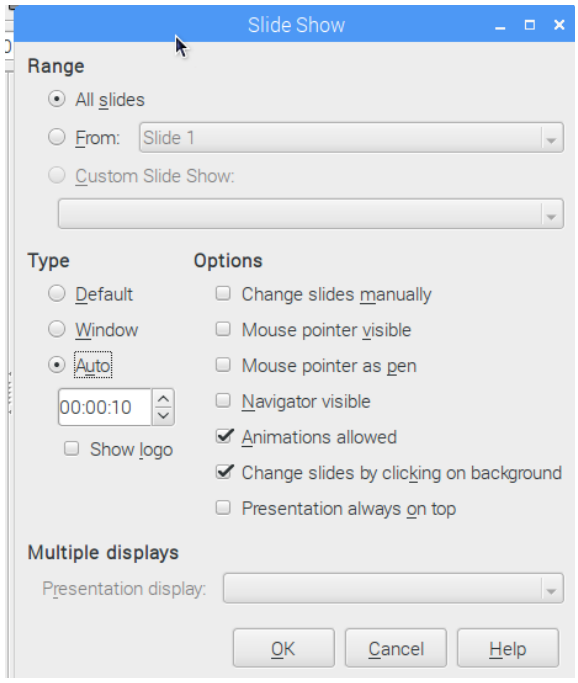
In the **Slide Transition** panel on the right, check **Automatically after** under the **Advance slide** section and set the timer to whatever time you want your slides to advance automatically (I will set it up to 5 sec for the moment), then click on **Apply to All Slides**.



Now click on **Slide Show** under the toolbar and then click on **Slide Show Settings**.



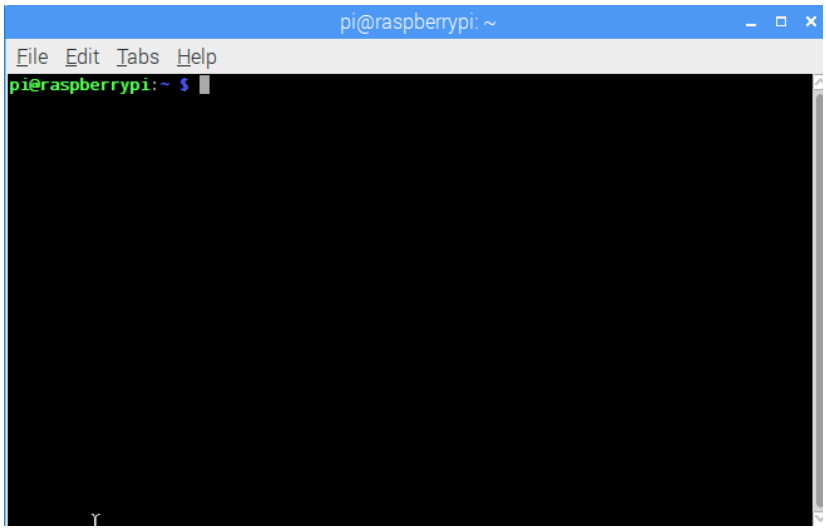
Under **Type**, click on **Auto**, and set the timer to 00:00:00 (Else an ugly countdown will show up everytime after the slide show finishes and before it starts again). If you want to set up any transitions whatsoever you can do that now or just click on OK if you‘re done.



Click on **Save** or press Ctrl + S to save your slide show settings and you‘re good to go! Save on your home folder for easy access later on.

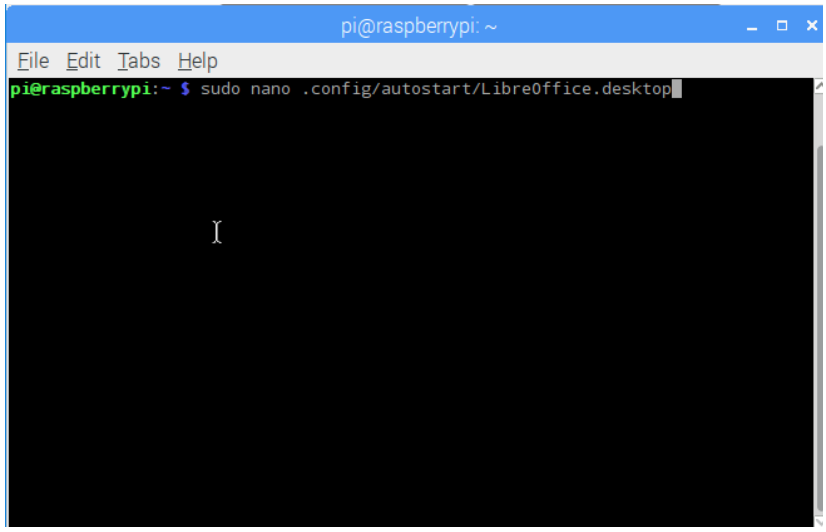
START A SLIDE SHOW ON BOOT

We are going to do a little tinkering with the Linux terminal now. In order for the presentation to run just as you plug your Pi Zero in we need to create a file to specify that it‘s going to run once the Pi Zero gets to the desktop. Open a Terminal by pressing **Ctrl + Alt + T** or just by clicking on the icon above



ls .c

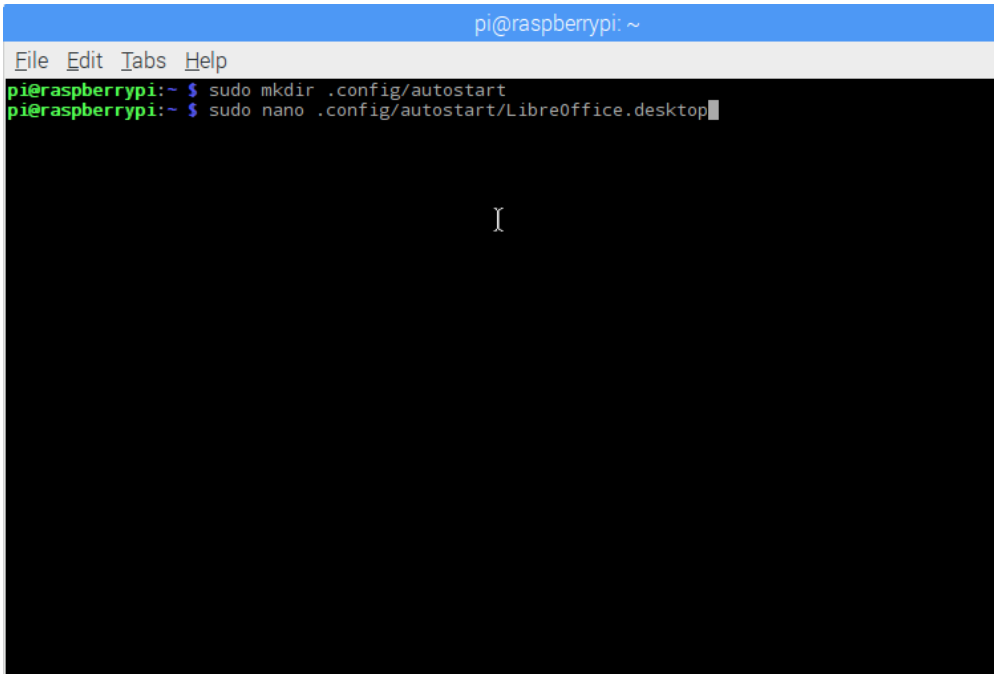
We need to create a **.desktop** file, which will indicate which and how programs run after the system finishes booting up to the desktop. I will create a file called **LibreOffice.desktop**, although you can call it whatever you want as long as the file‘s got the **.desktop** extension. Write **sudo nano .config/autostart/Libreoffice.desktop** on the terminal and press Enter.

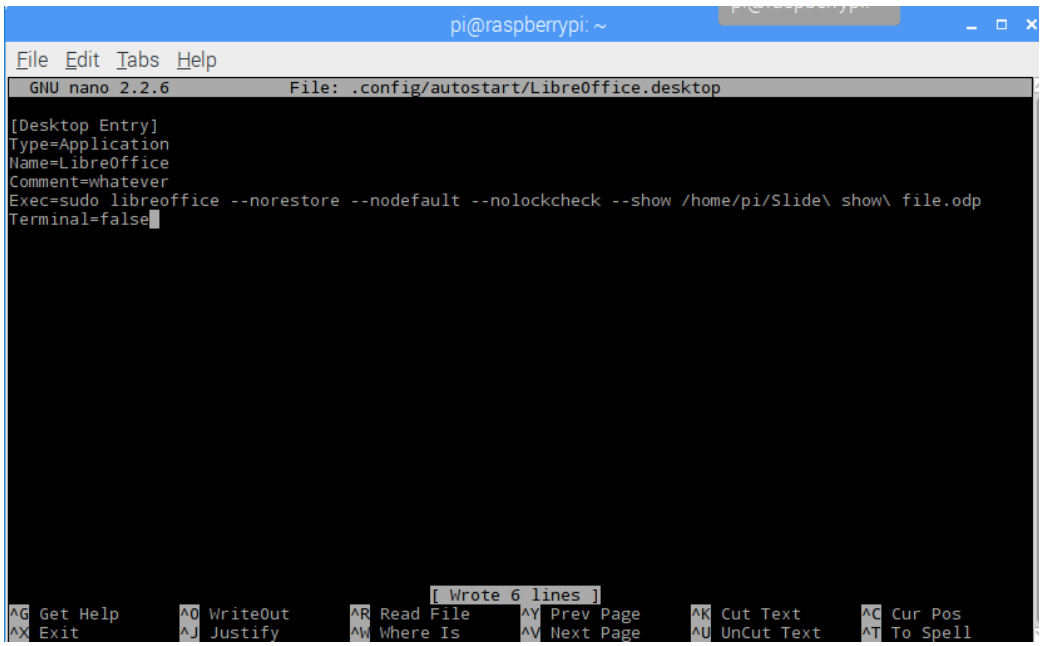


The file will have the following structure. Change it as you see fit.

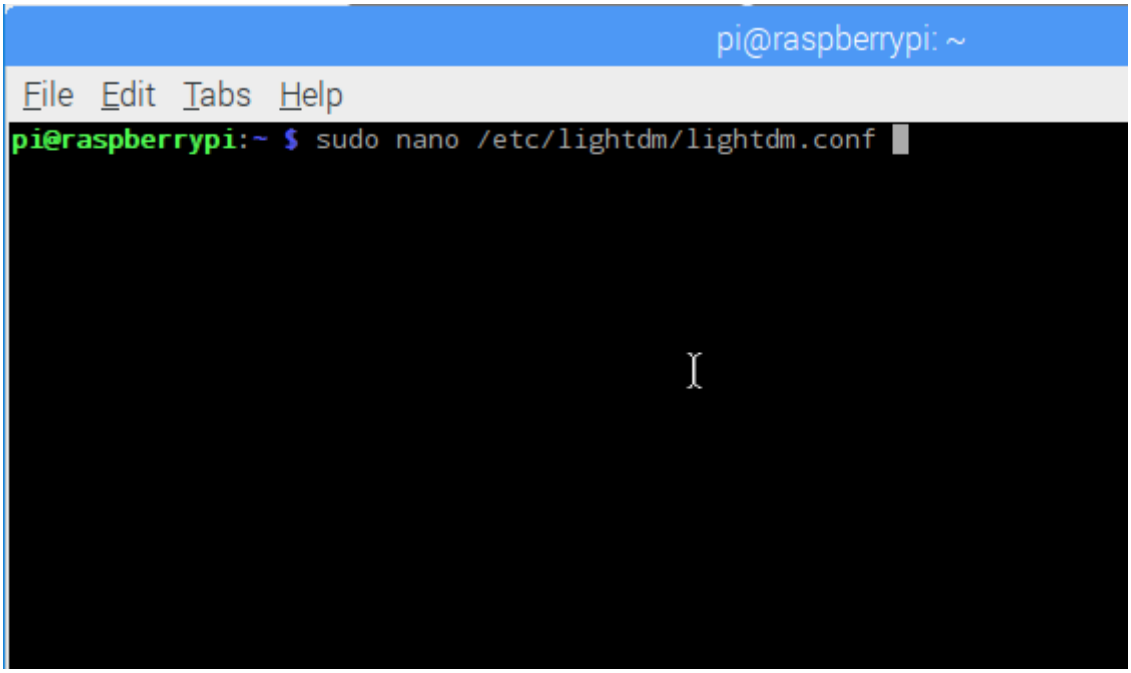
```
[Desktop Entry]
# The type as listed above
Type=Application

# The name of the application
Name=LibreOffice

# A comment which can/will be used as a tooltip. This is optional.
Comment=This will run a slideshow automatically

# The executable of the application. Here we will pass all the arguments that
we need so that the slide show runs automatically. Change the file location to
wherever your slide show is and if your slide show‘s file name contains spaces
it must be written with backslashes before the spaces.
Exec=sudo libreoffice --norestore --nodefault --nolockcheck --show
/location/of/your/file.odp

# Describes whether this application needs to be run in a terminal or not
Terminal=false
```

When you‘re done press **Ctrl + O** to save the file and then press **Ctrl + X** to exit. If it tells you there‘s no such file or directory you‘ll need to create the **autostart** folder by exiting nano (Press **Ctrl + X)** and write **sudo mkdir .config/autostart**, then go back to the aforementioned nano command (Tip: Press the arrow key up to browse the history of the commands you have input).

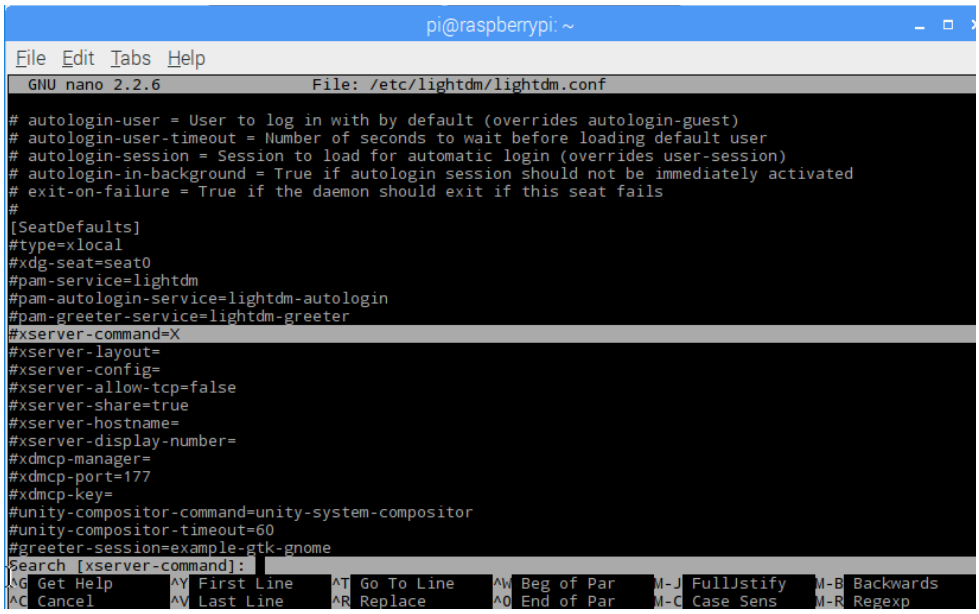




We will need to tweak something else before we‘re done. By default Raspbian (the OS running on the Pi Zero) will shut the screen down after ten minutes of inactivity, unfortunately the slide show won‘t count as activity so we need to change that. In the terminal write **sudo nano /etc/lightdm/lightdm.conf** and press Enter.

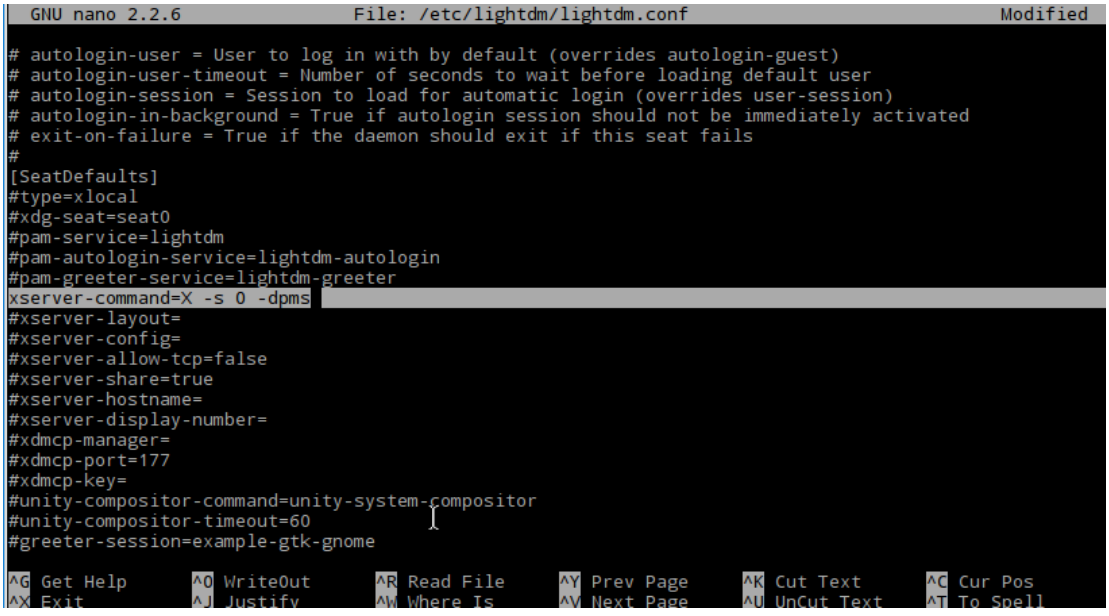


Search for the line **xserver-command** under **[SeatDefaults]**. Tip: You can search lines in nano by pressing **Ctrl + W** and writing the line you want to find.



Change the line to the following:

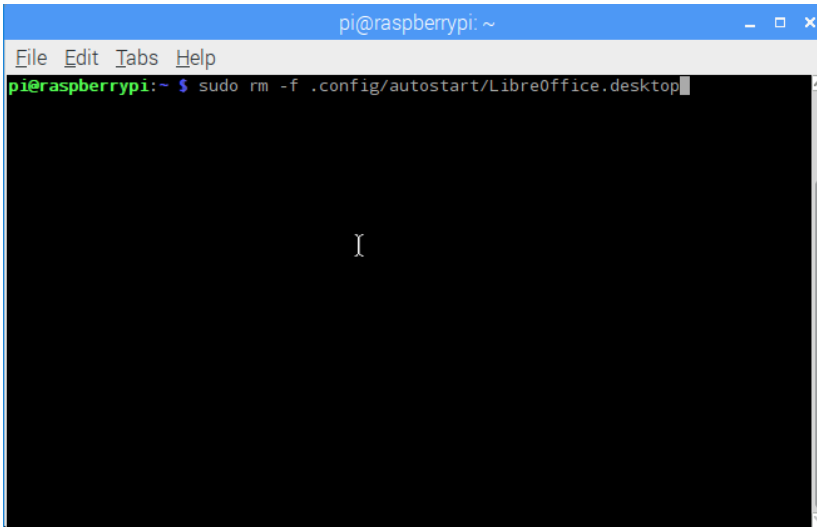
```
xserver-command=X -s 0 -dpms
```



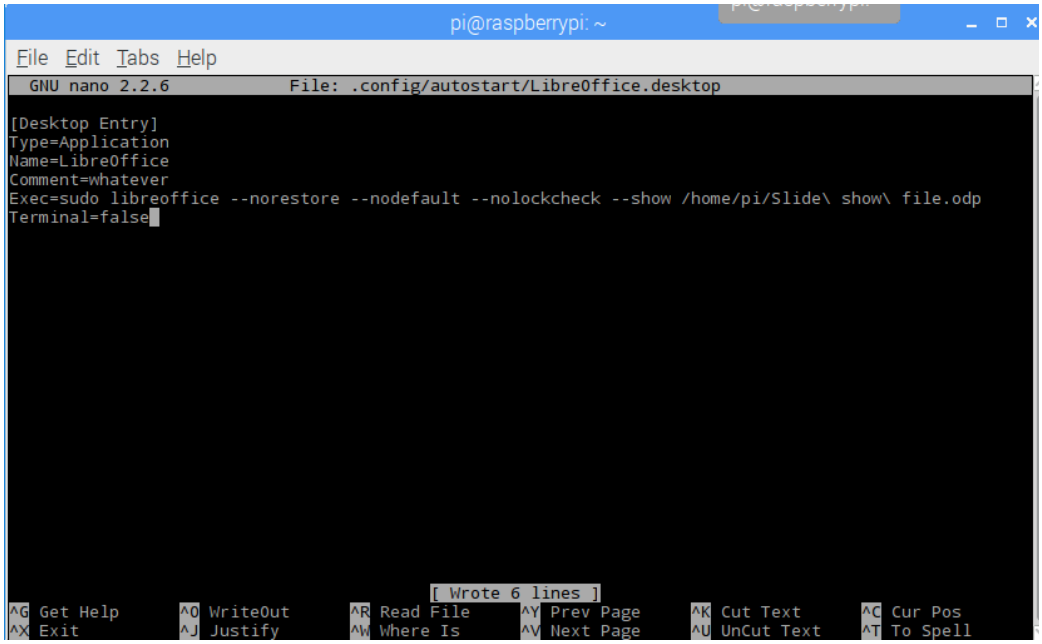
Press **Ctrl + O** to save and **Ctrl + X** to exit. Now whenever you boot your Pi Zero it will start you slide show automatically.

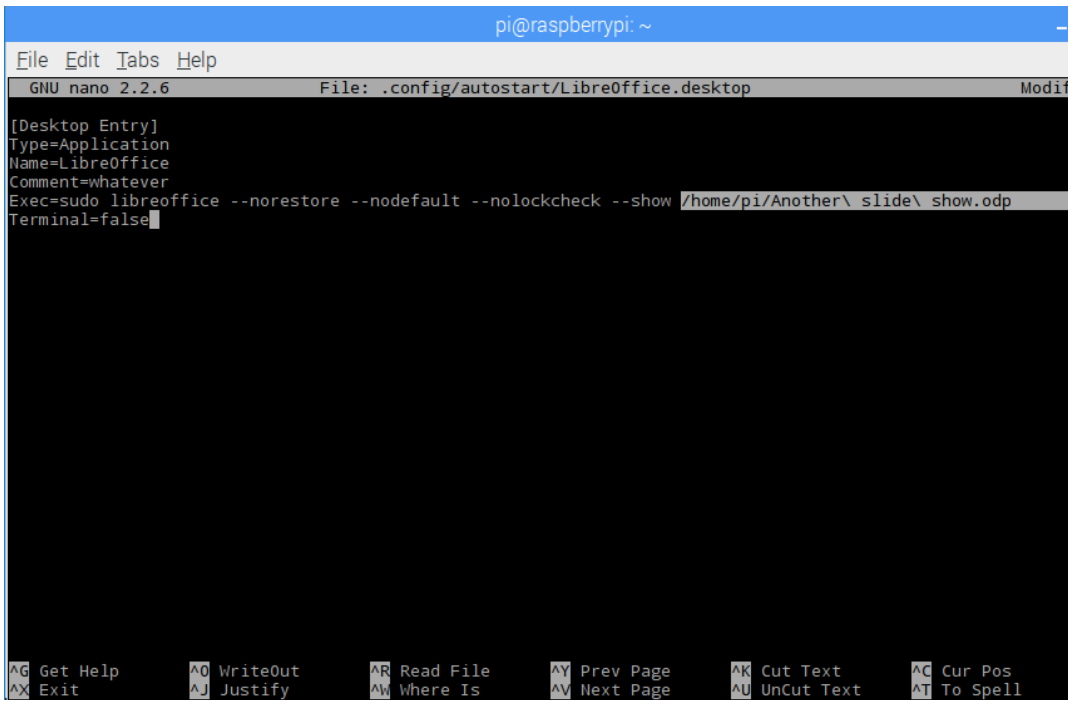
I DON‘T WANT THE SLIDE SHOW TO RUN ON BOOT ANYMORE/I WANT TO CHANGE THE SLIDESHOW

That‘s pretty easy! You can just remove the file we created earlier if you don‘t need it anymore by opening up a terminal and writing **sudo rm -f .config/autostart/Yourfile.desktop** then pressing Enter.



If you just want to change the slide show you want to start automatically open the desktop file with nano and change the location of the file:




pi@raspberrypi: ~
File Edit Tabs Help
GNU nano 2.2.6 File: .config/autostart/LibreOffice.desktop Modif
[Desktop Entry]
Type=Application
Name=LibreOffice
Comment=whatever
Exec=sudo libreoffice --norestore --nodefault --nolockcheck --show /home/pi/Another\ slide\ show.odp
Terminal=false
^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell