



# windowtoggle.py

```
import RPi.GPIO as GPIO
import time
from subprocess import *
GPIO.setmode(GPIO.BCM)
# GPIO Pin 25 controls the electrical relay powering the smart
screen
GPIO.setup(25,GPIO.OUT)
# GPIO Pin 24 reads the input from the motion sensor
GPIO.setup(24,GPIO.IN)
#Wait 10 seconds at least between movies
pauseTime=10
movieList=['/home/pi/Movies/CosmicWeb_43.mov','/home/pi/Movies/
Herschel_43.mov','/home/pi/Movies/CARMA_43.mov','/home/pi/
Movies/Sundial_43.mov','/home/pi/Movies/Streams_43.mov']
iMovie=0
playingState = False
GPIO.output(25,GPIO.HIGH)
while True:
    while playingState:
        # If motion detected, play next movie in list
        if (GPIO.input(24)==True):
            GPIO.output(25,GPIO.LOW)
            call(['omxplayer',movieList[iMovie]])
            iMovie=iMovie+1
            iMovie=iMovie % len(movieList)
            call('clear')
            playingState = False
        time.sleep(0.5)
    GPIO.output(25,GPIO.HIGH)
    call('clear')
    time.sleep(pauseTime)
    playingState=True
```