

Raspberry Pi - Kiosk

Configure kiosk mode

clear chrome cache

```
rm -rf ~/.cache/chromium ~/.config/chromium
```

New one <https://reelyactive.github.io/diy/pi-kiosk/>

<https://github.com/debloper/piosk>

Change hostname if not already done

```
sudo hostnamectl set-hostname ???  
sudo reboot
```

Install the following

```
sudo apt install xdotool unclutter
```

Create a kiosk file

```
sudo nano /home/pi/kiosk.sh
```

Paste the following in for chromium

```
#!/bin/bash  
  
xset s noblank  
xset s off  
xset -dpms  
  
unclutter -idle 0.5 -root &  
  
sed -i 's/"exited_cleanly":false/"exited_cleanly":true/' /home/pi/.config/chromium/Default/Preferences
```

```
sed -i 's/"exit_type":"Crashed"/"exit_type":"Normal"/' /home/pi/.config/chromium/Default/Preferences

#/usr/bin/chromium-browser --noerrdialogs --disable-infobars --kiosk https://www.raspberrypi.com/
https://time.is/London &

#/usr/bin/chromium-browser --no-sandbox --window-size=1024,768 --kiosk --window-position=0,0
https://hdrcameras.onling.com:5001/webman/3rdparty/SurveillanceStation/?launchApp=SYNO.SS.App.VideoView
erVue.Instance&SynoToken=W9ZwQIG7NiF1Q &

#/usr/bin/chromium-browser --window-size=1080,720 --kiosk --window-position=0,0
https://www.hammerdownrange.com/lobby/index.php &

/usr/bin/chromium-browser --window-size=1080,720 --kiosk --window-position=0,0
https://www.hammerdownrange.com/lineup/lineup.php &

while true; do
    xdotoool keydown ctrl+Tab; xdotoool keyup ctrl+Tab;
    sleep 10
done
```

Paste the following in for firefox

```
# Disable screen blanking and power management (works on both X11 and Wayland via xwayland compatibility)
xset s noblank
xset s off
xset -dpms

# Hide mouse cursor (unclutter works best on X11; if you're on pure Wayland, see notes below)
unclutter -idle 0.5 -root &

# Optional: Clean any crash flags (Firefox is more forgiving, but harmless to keep)
sed -i 's/"exited_cleanly":false/"exited_cleanly":true/' ~/.mozilla/firefox/*.default*/prefs.js 2>/dev/null || true

# Launch Firefox in kiosk mode
# -kiosk      → Fullscreen kiosk (hides UI, prevents exiting easily)
/usr/bin/firefox --kiosk --private-window
https://synology.onling.com/webman/3rdparty/SurveillanceStation/login.cgi?SynoToken=nQhMc44EQyoEpeg &

# Optional: Cycle tabs / refresh every 10 seconds (your original behavior)
# If you only have one URL, you can comment this out or change it to a refresh instead
while true; do
    # Send Ctrl+Tab to cycle tabs (if you open multiple tabs)
    xdotoool keydown ctrl+Tab; xdotoool keyup ctrl+Tab;
```

```
sleep 10  
done
```

Make it executable

```
sudo chmod 777 /home/pi/kiosk.sh
```

Make a service file to auto startup

```
sudo nano /lib/systemd/system/kiosk.service
```

Paste the following in

```
[Unit]  
Description=Firefox Kiosk Mode  
After=graphical.target  
Wants=graphical.target  
  
[Service]  
Type=simple  
Environment=DISPLAY=:0  
ExecStart=/home/pi/kiosk.sh  
Restart=always  
RestartSec=5  
User=pi  
WorkingDirectory=/home/pi  
  
[Install]  
WantedBy=graphical.target
```

Make it so it auto starts and start it

```
sudo systemctl enable kiosk.service  
sudo systemctl start kiosk.service
```

Revision #6

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