Official Raspberry Pi Touchscreen

Rotating the Official 7" Touchscreen

Create the following DESKTOP-file

/etc/xdg/autostart/rotate-screen.desktop

```
[Desktop Entry]
Type=Application
Name=Rotate DSI 180°
Exec=/usr/bin/wlr-randr --output DSI-1 --transform 180
Hidden=false
NoDisplay=false
X-GNOME-Autostart-enabled=true
```

Check if DSI-1 is the correct display, use `wlr-randr` to check this out.

Legacy mode (pre-TRIXIE):

[Show / Hide](#)

Comment the following line in your `/boot/config.txt` (to disable this parameter):

```
# Enable DRM VC4 V3D driver
#dtoverlay=vc4-kms-v3d
```

And add the following line to your config:

```
# rotate screen
lcd_rotate=2
display_rotate=0
```

Run chromium in kiosk mode at startup

Firstly enable autologin and boot to desktop. Therefore you can use the `raspi-config`-tool:

```
sudo raspi-config
```

Just add the following lines to the `labwc` (a Wayland compositor) config:

nano ~/.config/labwc/autostart

```
# The actual kiosk launch
```

```
# Use chromium (or chromium-browser — try both if one fails)
chromium \
    --kiosk \
    --noerrdialogs \
    --disable-infobars \
    --no-first-run \
    --start-maximized \
    --audio-buffer-size=16384 \
    --enable-features=OverlayScrollbar \
    https://your-website.com &
```

This also includes already a higher buffer size for playing streams (e.g. internet radio)

Legacy mode (X11):

Show / Hide

And then add the following line to the user's `lxsession` config:

~/.config/lxsession/LXDE-pi/autostart

```
@chromium-browser --kiosk --disable-pinch <url-to-open>
```

Sourced from: baldbeardedbuilder.com - Chromium in kiosk mode

Turn off screen automatically after a period of inactivity

To enable this "energy saving"-setting create a system service file under `/etc/systemd/system/` with the name `screenblanking.service`:

```
sudo nano /etc/systemd/system/screenblanking.service
```

Then add this content:

```
[Unit]
Description=Automatic screen blanking
After=network.target network-online.target

[Service]
Environment=DISPLAY=:0.0
RestartSec=40
Restart=always
User=pi
ExecStart=/usr/bin/xset dpms force off

[Install]
```

```
WantedBy=multi-user.target
```

Finally save the service and enable it with:

```
sudo systemctl enable screenblanking.service
```

Partially sourced from [forums.raspberrypi.com - know a command-line for turning off the screen?](#)

From:
http://fixes.brecht-schule.hamburg/ - **Fixes | Public BIT Wiki**

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