

# LCD Backlight

Most drivers use the *fbtft* backlight support to control backlight. This is enabled if there is a 'led' gpio present.

These drivers will have backlight power control exposed in the sysfs filesystem.

```
# Turn off backlight
echo 1 | sudo tee /sys/class/backlight/*/bl_power

# Turn on backlight
echo 0 | sudo tee /sys/class/backlight/*/bl_power
```

Brightness is currently not supported (need a kernel PWM driver).

## Give all users backlight control permissions

/etc/udev/rules.d/backlight-permissions.rules

```
SUBSYSTEM=="backlight",RUN+="/bin/chmod 666
/sys/class/backlight/%k/brightness /sys/class/backlight/%k/bl_power"
```

## Backlight control outside of FBTF

Wiring Pi can be used to dim the backlight.

```
sudo gpio mode 7 write
# Turn Off LCD backlight
sudo gpio write 7 0
# Turn On LCD backlight
sudo gpio write 7 1
```

## References

\* [Backlight](#)

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