

# 2.2" TFT LCD on the Odroid W

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## Preparations

- Odroid W
- uSD-Card ⇒ over 2GB or eMMC Module
- [W Docking Board with TFT LCD](#)

## Configuration

1. Building the kernel  
Please refer to [Kernel compilation for odroid-w](#)
2. Enable SPI by running:

```
sudo vi /etc/modprobe.d/raspi-blacklist.conf
```

Find the SPI line where the spi is black listed

```
blacklist spi-bcm2708
```

Comment it out by replacing it with the line below

```
#blacklist spi-bcm2708
```

3. Enable driver  
Add to file /etc/modules

```
fbtft_device name=adafruit22a verbose=0 rotate=90
```

4. Auto login and startx  
Auto login: modify file /etc/inittab

```
#1:2345:respawn:/sbin/getty --noclear 38400 tty1  
1:2345:respawn:/bin/login -f pi tty1 </dev/tty1 >/dev/tty1 2>&1
```

Auto startx: modify file /etc/rc.local

```
su -l pi -c "env FRAMEBUFFER=/dev/fb1 startx &"
```

Disable the option in /usr/share/X11/xorg.conf.d/99-fbturbo.conf

```
#          Option          "fbdev"  "/dev/fb0"
```

Console at boot: Add kernel argument to file /boot/cmdline.txt

```
fbcon=map:10
```

Save the file and reboot your Odroid W.

```
sudo reboot
```

For more information, please refer to <https://github.com/notro/fbtf/wiki>

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