

## Raspberry Pi OS

This is the default OS that is provided by the Raspberry Pi foundation and comes preinstalled on the micro SD card that the Hackberry ships with.

### Raspberry Pi Zero 2W

Amend the `config.txt` with the following line:

```
dtoverlay=vc4-kms-dpi-hyperpixel4sq
```

If you mount the micro SD card on a computer, it will be located on the `bootfs` partition under `/firmware/config.txt`.

If you want to edit the file on a running Raspberry Pi (either through SSH or by attaching an external display via HDMI), it will be located under `/boot/firmware/config.txt`.

Screen blanking should be disabled by default, but it is never a bad idea to manually disable it by running `sudo raspi-config` and navigating to *Display Options > Screen Blanking*.

### Raspberry Pi 4B

### Raspberry Pi 5

### Raspberry Pi CM5

The following image is a clean install of Raspberry Pi OS. It comes with a configured `config.txt` to enable the display. Furthermore, it comes with Pi-Apps and Alacritty preinstalled. It also includes the battery voltage script.

[rpios-base-compressed.img.xz](#)

[rpios-base.checksum.txt](#)

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### External Display

If you fail to get an external display working, make sure you're using Wayland.

To do so, run `sudo raspi-config` and go to *Advanced Options > Wayland* and choose *Wayfire*, then reboot. The display should now be recognized and work automatically.

Use the Screen Configuration application to configure the orientation and arrangement.

## SDR++

It is recommended to install SDR++ by compiling it from source. Do the following:

```
# Install dependencies
sudo apt install git cmake libfftw3-dev libglfw3-dev libvolk2-dev libglew-
dev portaudio19-dev libzstd1 libzstd-dev libairspyhf-dev libiio-dev
libad9361-dev libairspy-dev librtlsdr-dev libcodec2-dev librtaudio-dev
libhackrf-dev

# Download the code
cd ~/Downloads
git clone https://github.com/AlexandreRouma/SDRPlusPlus.git

# Build
cd SDRPlusPlus
mkdir build
cd build
cmake ..
make -j4

# Install
sudo make install
```

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