

Please check the versions of Linux kernel and Petitboot before setting ODROID-Vu8M, update firmware blobs if required.

Petitboot

Version of Petitboot must be **v20220424** or later.

Linux kernel version

```
$ dpkg -s linux-image-4.19.219-odroid-arm64 | grep -i version
Version: 4.19.219-202204111511~focal
```

Configuration

Linux & Android

It is necessary to add **display_vu8m** to the line starts with **overlays=** in **config.ini** to enable DSI port. The change will affect after rebooting.

```
$ cat /boot/config.ini
[generic]
...
overlays="i2c0 i2c1 display_vu8m"
...
```

Change the VU8M orientation in Android

The default orientation is portrait mode, you can change orientation to landscape.

```
$ adb remount
# busybox vi /fat/config.ini
...
overlays="i2c0 uart0 spi0 display_vu8m"
user_def_args="orientation=landscape"
...

# busybox vi /vendor/default.prop
...
ro.surface_flinger.primary_display_orientation=ORIENTATION_270
...
```

Petitboot

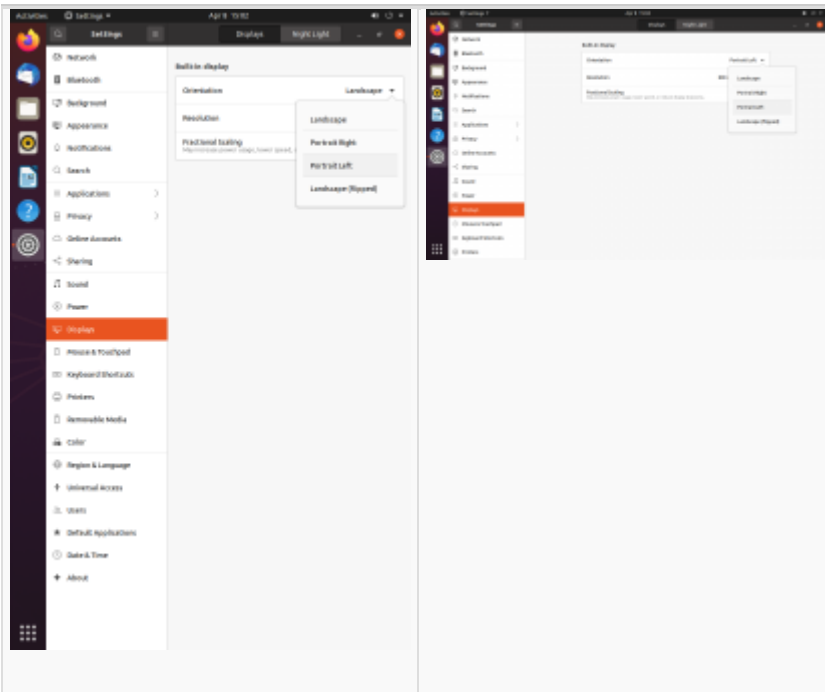
Apart from adding **display_vu8m** to **config.ini** for Linux or Android OS, it's also necessary to let Petitboot to use ODROID-Vu8M otherwise Petitboot will appear in HDMI display. Run this in the command line of Petitboot (select 'Exit to shell' in the menu).

```
fw_setenv panel display_vu8m
```

Display rotation

Gnome Desktop

Open **Settings** → **Displays**, and change select the display orientation at **Orientation**.



Gnome login screen

In order to change the orientation of log in screen of Gnome Desktop, it's required to copy the monitor setup as well.

```
sudo cp ~/.config/monitors.xml /var/lib/gdm3/.config/
```

```
sudo reboot
```

Dual Display Mode in Android

You can use the ODROID-Vu8M for Dual display in the Android.

🔍 Search apps



Calculator



Calendar



Camera



Clock



Contacts



Explorer



Files



Gallery



Kodi



Lightning



Music



Odroid Settin...



Search



Settings



Sound Recor...



Superuser



Terminal Emu...



thingsGpioEx...



Updater



Video



WebView Bro...



Apps & notifications
Recent apps, default apps



Display
Wallpaper, sleep, font size



Sound
Volume, vibration, Do Not Disturb



Storage
8% used - 118 GB free



Privacy
Permissions, account activity, personal data



Location
On - 1 app has access to location



Security
Screen lock



Accounts
No accounts added



Accessibility
Screen readers, display, interaction controls



Screenshot
Screenshot



System
Languages, gestures, time, backup



About tablet
odroidm1



← System



Languages & input
Android Keyboard (AOSP)



Gestures



Date & time
GMT+00:00



Backup
Off



Reset options
Network, apps, or device can be reset



Multiple users
Signed in as Owner



Developer options



Updater
Updated to Android 11

Developer options



On



Adaptive notification priority



Adaptive notification ranking



Standby apps

Force allow apps on external

Makes any app eligible to be written to external storage, regardless of manifest values



Force activities to be resizable

Make all activities resizable for multi-window, regardless of manifest values.



Enable freeform windows

Enable support for experimental freeform windows.



Force desktop mode

Force experimental desktop mode on secondary displays



Enable freeform sizecompat

Allows sizecompat apps to be in freeform



Reset ShortcutManager rate-limiting

AUTOFILL

Logging level

Debug

Max requests per session

10





Developer options



On



Adaptive notification priority



Adaptive notification ranking



Standby apps

Force allow apps on external

Makes any app eligible to be written to external storage, regardless of manifest values



Force activities to be resizable

Make all activities resizable for multi-window, regardless of manifest values.



Enable freeform windows

Enable support for experimental freeform windows.



Force desktop mode

Force experimental desktop mode on secondary displays



Enable freeform sizecompat

Allows sizecompat apps to be in freeform



Reset ShortcutManager rate-limiting

AUTOFILL

Logging level

Debug

Max requests per session

10

