

This Mojave 10.14.5 beta fix is intended for MacBookPro mid 2010 with dualGPU Graphics Nvidia 330 and IntelHD and it is needed for:

- Brightness HUD F1/F2 control backlight function
- Sleep function
- MUX Switching among two GPUs
- Zero the random KPs
- Stabilize a better power management resulting in lower CPU/GPU Temperatures

This fix eventually could be applied to any dualGPUs Mac (minimum with a Penryn Core2Duo CPU).

Applying this fix also to a single GPU Mac doesn't affect nothing bad, so it can be used too.

After executed the script, in order to make it completely functional, follow these next steps:

Replace the GPUWrangler framework booting from single user mode, after the power-on chime hold CMD+S , when you land into the Shell type one line at once:

```
mount -uw /
```

```
cd /System/Library/PrivateFrameworks
```

```
ls GPUWrangler.*
```

(Checking that you have two GPUWrangler folders means you are in the right mount point)

```
mv GPUWrangler.framework GPUWrangler.backup
```

```
mv GPUWrangler.framework2 GPUWrangler.framework
```

```
exit
```