

# FreeBSD Tweaks

Maybe useful to some...

## Git

1. 'git log' output does not show colored output
  - can see the escape sequence
  - so, as user, type

```
git config --global core.pager "ls -r"
```

## Network Configuration

**Note** DHCP client is `dhclient` - simply run `dhclient <interface>` when booting to console and using something like USB tethering.

Configure (wireless) network interface (in case was not done during installation)

- FreeBSD has network interface name - based on the driver name (e.g. `sis`, `re`)
  - to find this, use `pciconf -lv`
- for normal wired connection (e.g. `re0`), add to `'rc.conf'`

```
ifconfig_re0="DHCP"
```

- for a wireless connection (e.g. `ath0`), add in

```
wlan_ath0="wlan0"  
ifconfig_wlan0="DHCP"
```

- for a secured wireless connection (e.g. WPA protected), add in

```
wlan_ath0="wlan0"  
ifconfig_wlan0="WPA SYNCDHCP"
```

also, append `'/ etc/wpa_supplicant.conf'`

```
network={  
    ssid="the_ssid"  
    psk="the_psk"  
}
```

- not sure why but `wlan0` was not auto-created?
  - from official handbook, do `ifconfig wlan0 create wlandev ath0`
  - to start up and scan, do `ifconfig wlan0 up scan`
  - or just scan, do `ifconfig wlan0 list scan`

## Graphics

Driver for ASUS E5450 Graphics Card (based on Radeon 5450?)

- install driver

```
pkg install -y xf86-video-ati
```

- to load on startup, edit rc.conf:

```
kld_list="radeonkms"
```

For Intel Graphics (Asus H81M-K Motherboard)

- install driver

```
pkg install -y xf86-video-intel
```

- to load on startup, edit rc.conf:

```
kld_list="i915kms"
```

- install something? (for kernel?)

```
pkg install -y drm-kmod
```

- some older ones require drm-fake-kmod instead

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