

Flashing Libreboot

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Building a bootable Devuan fro ISO

- Get the Devuan ASCII (based on Stretch) ISO netinstall - [here](#)
- Install in VirtualBox
- Install Devuan ASCII in VirtualBox
 - Make sure to include console productivity and SSH server options
- Use the DevSus script at <https://notabug.org/dimkr/devsus>

Get a pre-built Devuan ISO image

- Go to <https://archive.org/details/devuan-jessie-c201-libre-2GB>

Devuan installation from bootable USB

- Insert the USB key
- Boot the system, you should see Libreboot prompt with boot options. Use Ctrl-U to boot from USB
- Once at the login prompt, login as root (no password)
- `dd if=/devuan-jessie-c201-libre-16GB.img of=/dev/mmcblk0 bs=50M`
- Turn off the system, remove the USB key
- Turn it on again, you should now have a login prompt

Connect to your network

The image does not include drivers for the on-board wifi as they are proprietary. You will need a USB wifi adapter such as those from ThinkPenguin.com. An Atheros AR9271 based adapter was used in this example (USB ID 0cf3:9271)

- Insert your USB adapter on the right port
- Verify a new interface is available:
 - `# ip a`
- Generate a configuration file for wpa_supplicant and verify its content:
 - `# wpa_passphrase MYSSID passphrase >`
`/etc/wpa_supplicant/wpa_supplicant.conf` - there will be no prompt to type, just type your wifi password and press Enter.
 - `# cat /etc/wpa_supplicant.conf` to check the newly generated config file
- Assuming your interface is wlan0, connect to your network like this:

- `# wpa_supplicant -B -i wlan0 -c /etc/wpa_supplicant/wpa_supplicant.conf`
- `dhclient wlan0`

The connection should now be up, check with `ip a` or `ping yahoo.com` for example.

From: <https://dulib.re/wiki/> - **Le Goût du Libre**

Permanent link: https://dulib.re/wiki/doku.php/installation_debian_sur_chromebook_asus_c201

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