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Summary of NEO build process on MacBook Pro:

Prepare the uSD:

- Burn base image on uSD using Etcher. Suitable base image for NEO:
  /Users/jimadams/ConnectBox/ImageBuild/Base Images-NEO/
  Armbian_21.08.1_Nanopineo_buster_current_5.10.60.img
- eject uSD

- Put uSD in target (NEO) and boot
- Connect serial terminal to NEO
- Start serial terminal session: "screen /dev/cu.usbserial-1460 115200"
- New root password: Atdpxxx
- Repeat root password: Atdpxxx
- Default shell: <CR>
- New account: <Ctrl-C>
- root@nanopineo:~# passwd
- New password: connectbox
- Retype new password: connectbox
- root@nanopineo:~# mkdir .ssh
- root@nanopineo:~# cd .ssh
- root@nanopineo:~# touch authorized_keys
- root@nanopineo:~# chmod 600 authorized_keys
- root@nanopineo:~# ifconfig. (NOTE eth0 address… like 10.0.0.40)
- MacBook-Pro-2021: ~$ ssh pi@10.0.0.40 // where "40" is address
- root@nanopineo:~# cd .ssh
- root@nanopineo:~/.ssh# echo '[text of id_rsa.pub] ' >> authorized_keys
- root@nanopineo:~/.ssh# exit
- MacBook-Pro-2021: ssh root@10.0.0.40 // should login without needing pw
- root@nanopineo:~# exit

The build:

- MacBook-Pro-2021: ~ $ cd ~/Documents/GitHub
- MacBook-Pro-2021: ~ $ connectbox-tools/deployment/make_cb.py
- N
- <return>
- <enter command line string (optional)>
- 10.0.0.40
- At about 3 minutes into the build, you are asked if you want to allow a reboot… answer "yes"
- At this point the build begins and hopefully will complete in about half an hour
- If the process stops due to reboot, start it again at "The build" and answer "no" to the query of reboot

Post Process:

- Wait until the target (NEO) competes the power down then pull the uSD from the target
- Put the uSD in a USB adaptor and put in the RPi-4 (Mac won't do the next step)
- RPi: lsblk // should see sda/sda1
- RPi: umount /dev/sda1
- RPi: cd /home/pi/connectbox
- RPi: sudo connectbox-tools/deployment/shrink-image.sh /dev/sda. Images/<theName>.img
- (the image shrink will take about 20 minutes)
- Here you can pull the uSD and try it out
- RPi: xz -k <theName>.img // will shrink the image to .xz format