

# Reflash Blue Pill devices

If your Blue Pill device has become totally unresponsive - you cannot contact it in any way - the solution may be to 'reflash' the entire system software.

NOTE: For this procedure you need the assistance from SKAARHOJ Customer Support !  
Please contact: [support@skaarhoj.com](mailto:support@skaarhoj.com)

ALERT: This procedure will ERASE ALL configurations on the device.

## REQUIREMENTS

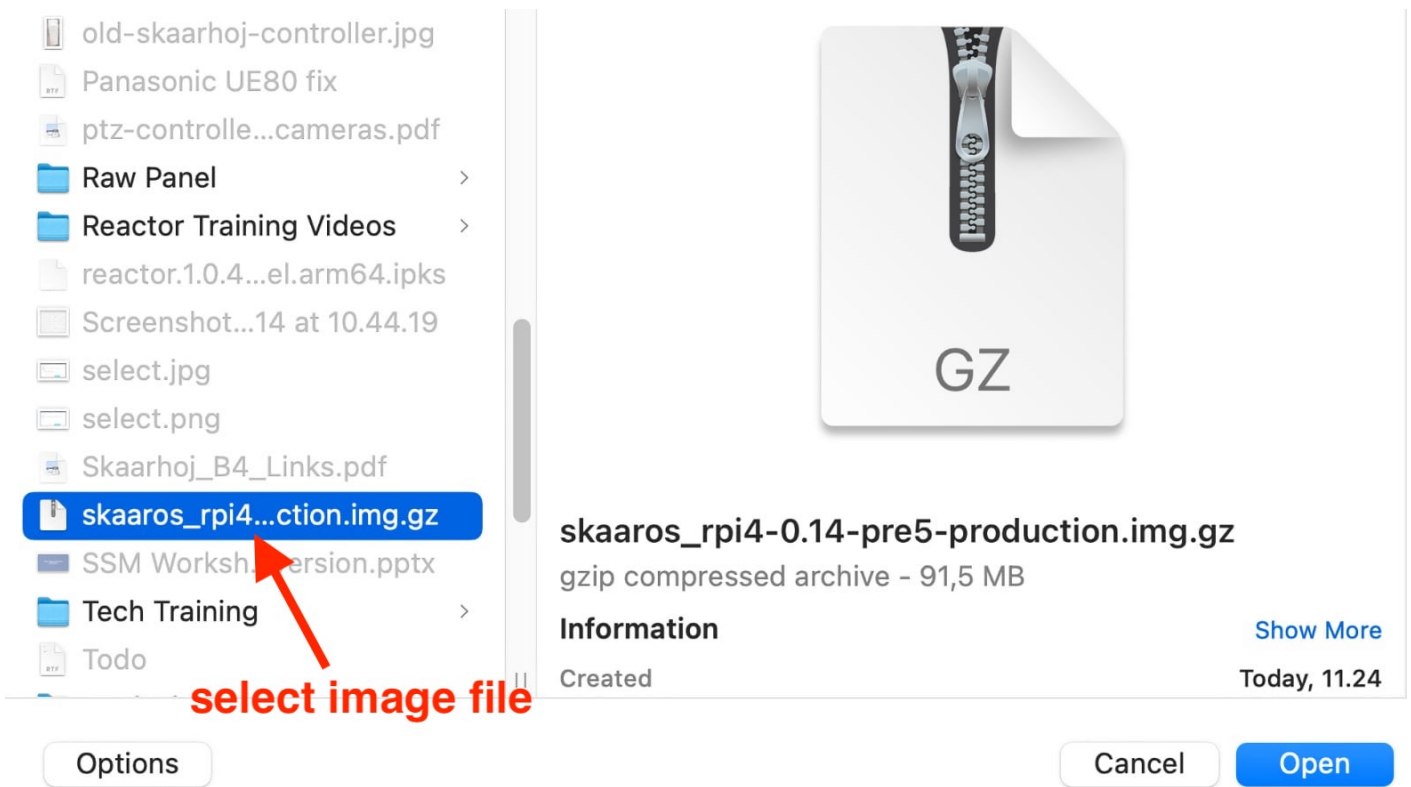
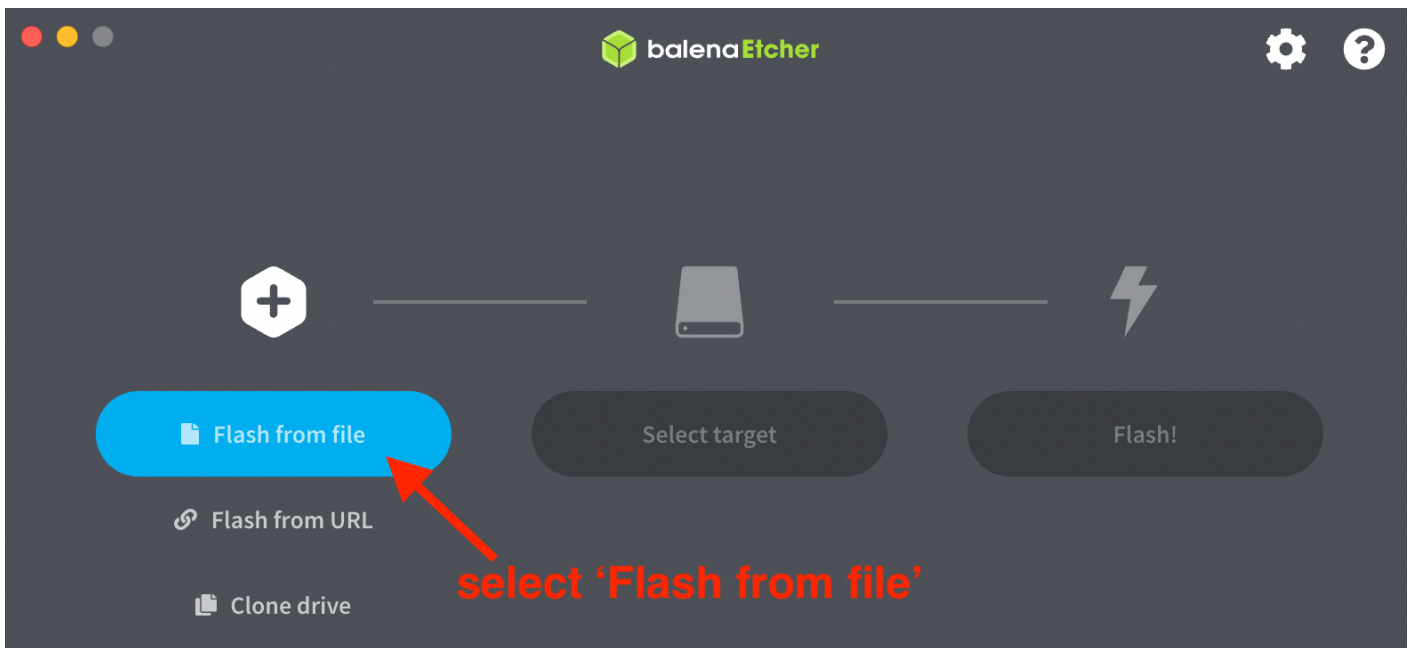
You need the following software:

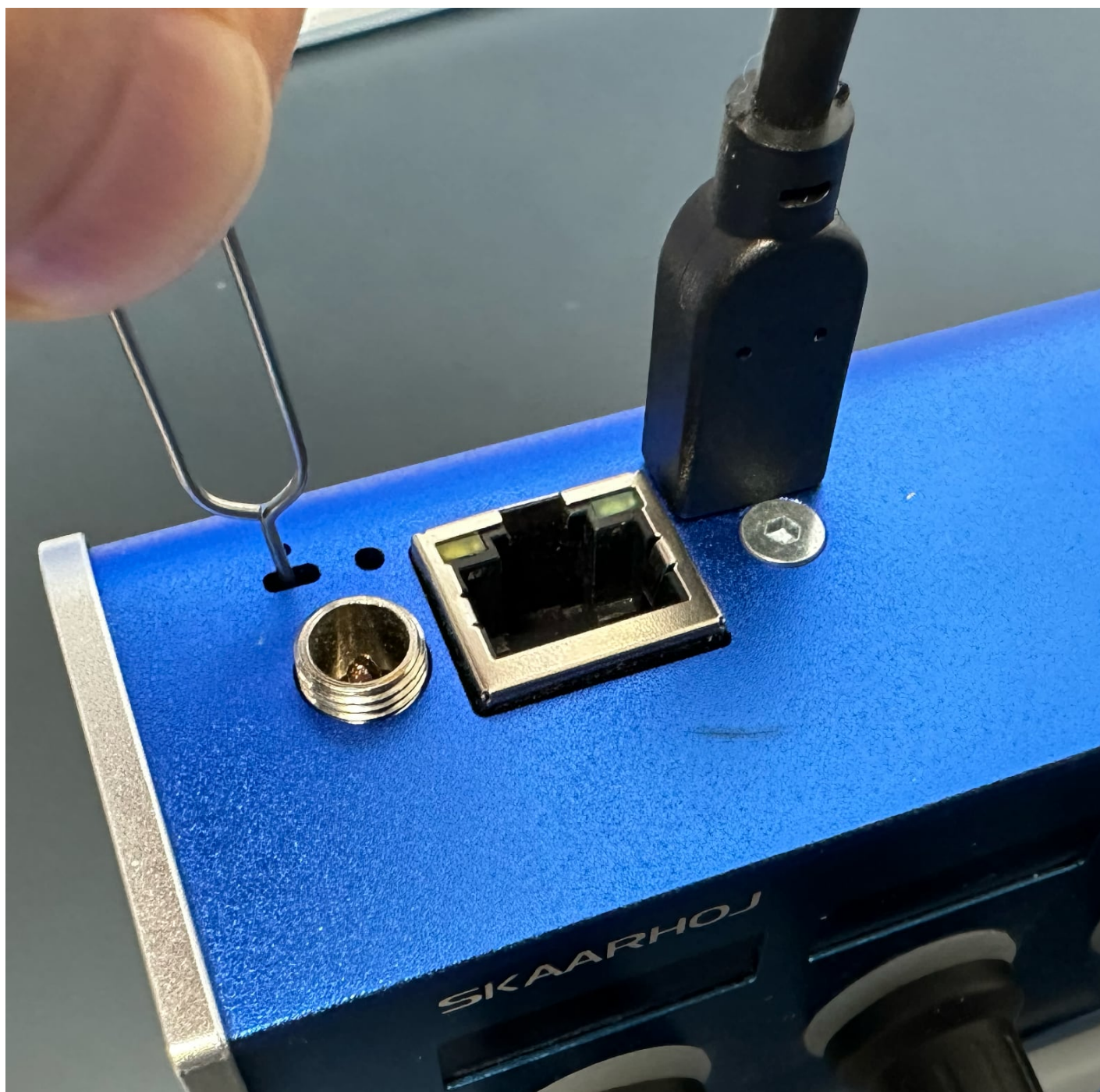
- BalenaEtcher version 1.18 or later <https://www.balena.io/etcher/> (free download)
- skaarOS image file (this can only be obtained from SKAARHOJ Customer Support)

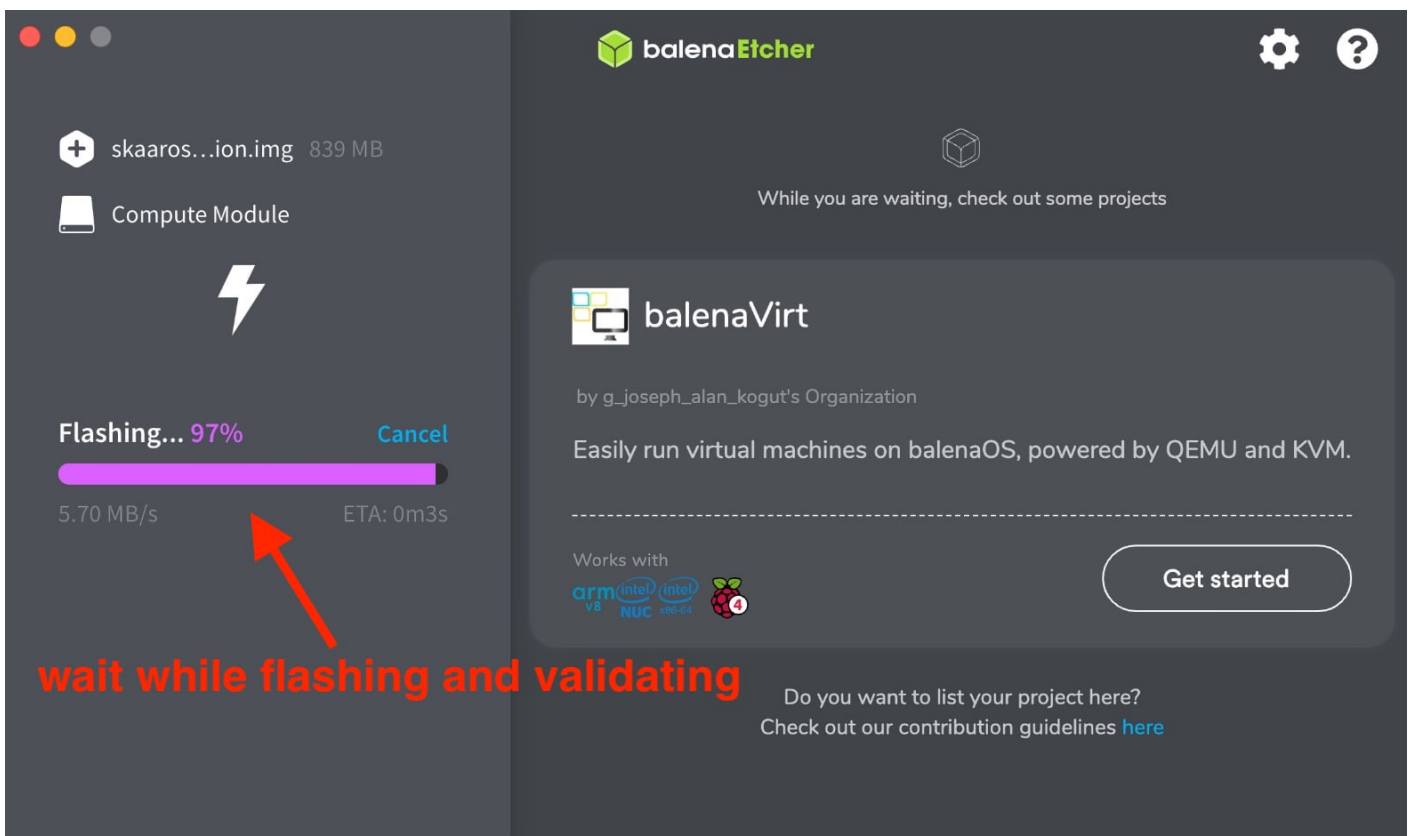
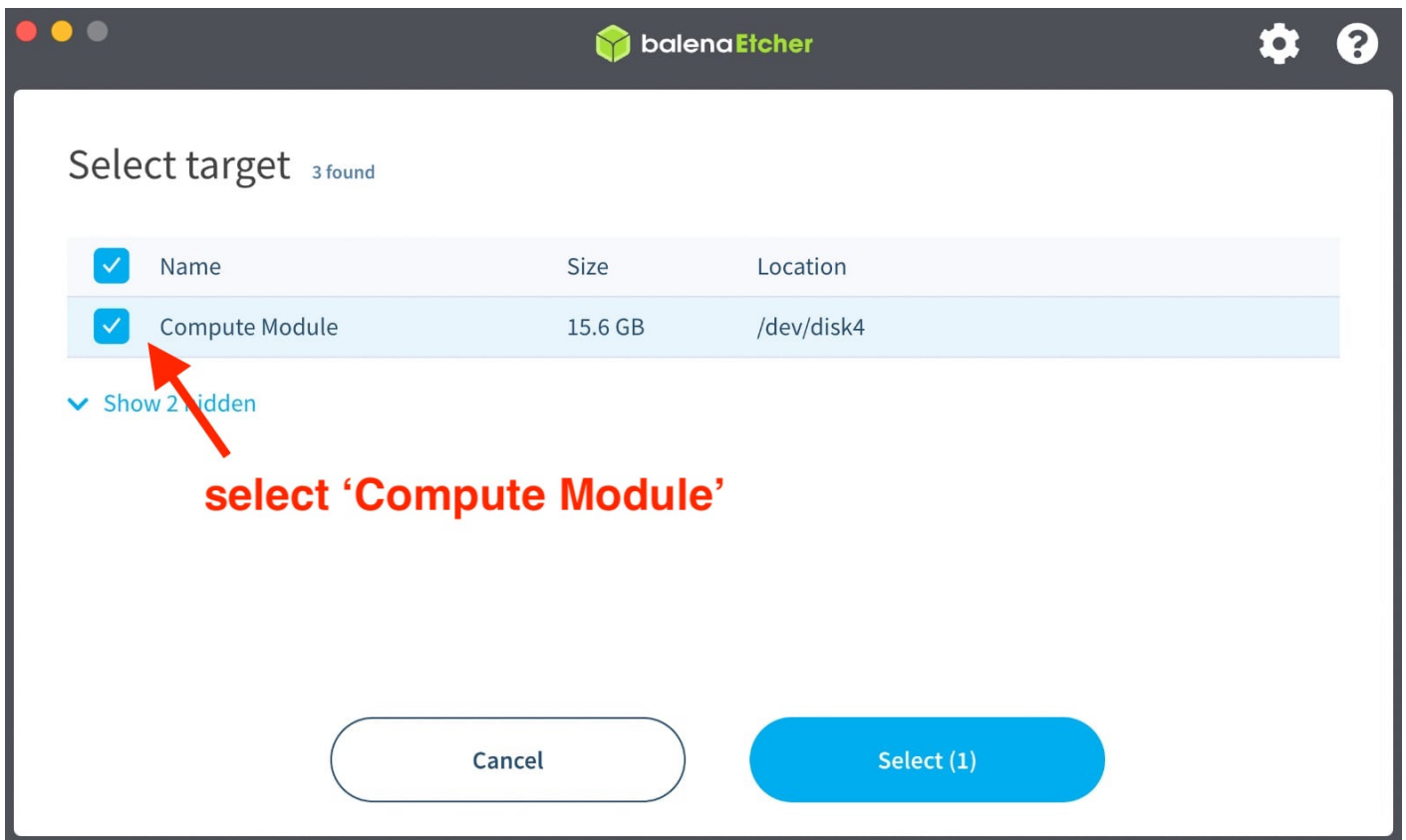
## PROCEDURE

1. make sure you have the 'skaarOS' image file ready on your Desktop (you get this file from SKAARHOJ Customer Support)
2. open BalenaEtcher app (remember, this must be version 1.18 or later)
3. click 'Flash from file' > select the 'skaaros\_xxxx' image file from the Desktop (pic 1 and 2)
4. click 'Select target'
5. connect Blue Pill device to computer via USB > hold paperclip pressed in the configuration hole on the device > connect power (PSU or PoE) to device (pic 3)
6. when you see 'Compute Module' in BalenaEtcher, remove paperclip
7. select 'Compute Module' > click 'Select' (pic 4)
8. click 'Flash!' > enter computer password > wait approx 5 min (pic 5)
9. after flash procedure is done, quit BalenaEtcher
10. disconnect USB and power from Blue Pill device > connect power again to reboot (will take approx 0,5-1 min)

The Blue Pill device should start up, and display the DHCP IP address it can be found at.  
- For initial setup we recommend a network with DHCP server -



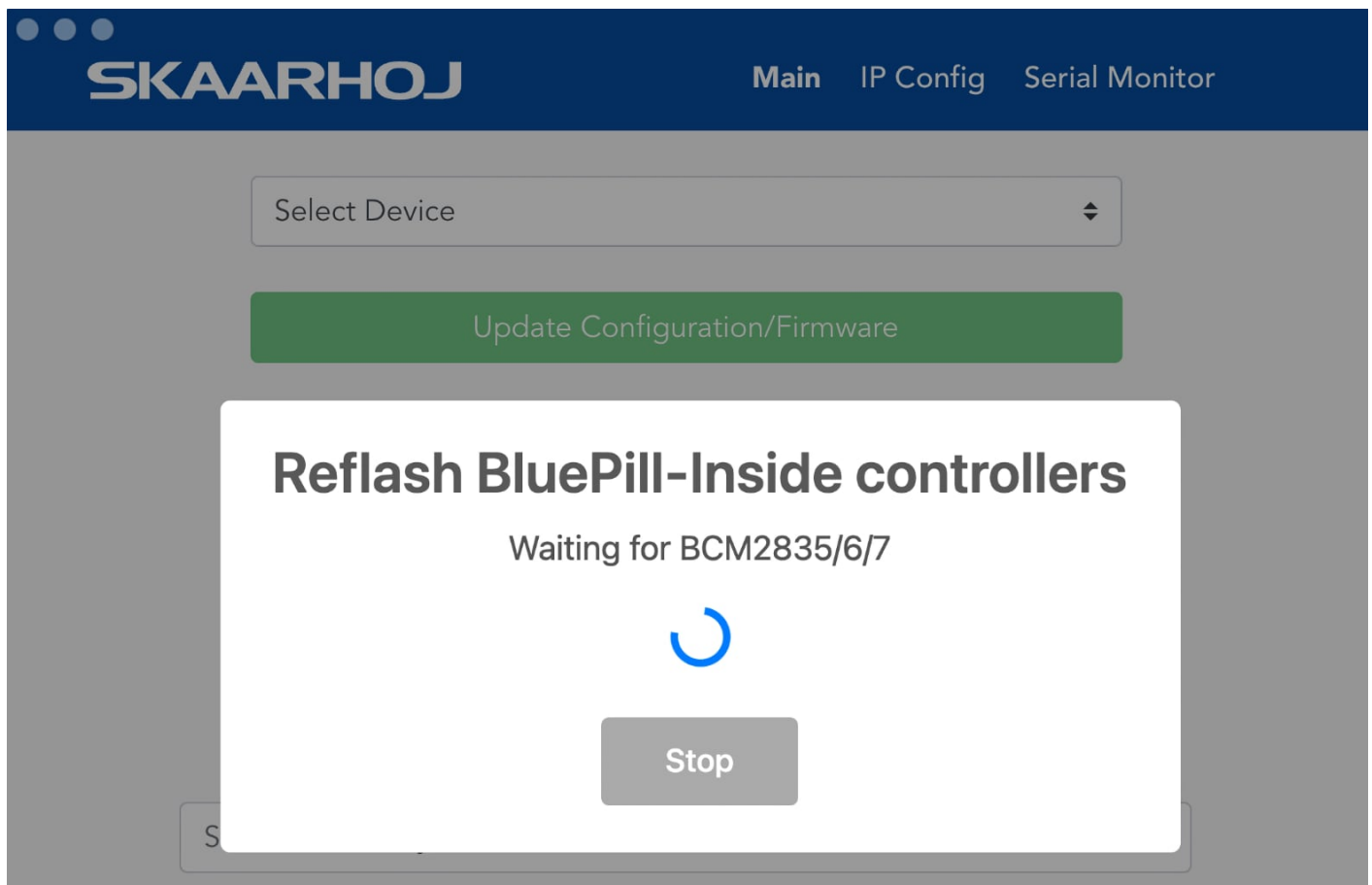




OLD INSTRUCTIONS : IF DEVICE NOT FOUND

- You will most likely NOT follow these instructions anymore -  
If the 'Compute Module' is not found in step 6 please follow these steps:

1. quit BalenaEtcher app
2. open SKAARHOJ Updater app
3. press keys '[Shift][Option][Cmd] R' (Mac) or '[Shift][Ctrl][Alt] R' (Win) to enable the 'Reflash BluePill-Inside controllers' mode (pic 1)
4. connect Blue Pill device to computer via USB > hold paperclip pressed in the configuration hole on the device > connect power (PSU or PoE)
5. when you see the device is connected (device x-xx.x is ready) you release the paperclip (pic 2)
6. return to the procedure guide above. Follow all steps, except step 5 and 6, where you insert paperclip and power up device



Select Device

Update Configuration/Firmware

## Reflash BluePill-Inside controllers

device 2-2.1.4 is ready



Stop

after connecting,  
it writes 'is ready'

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