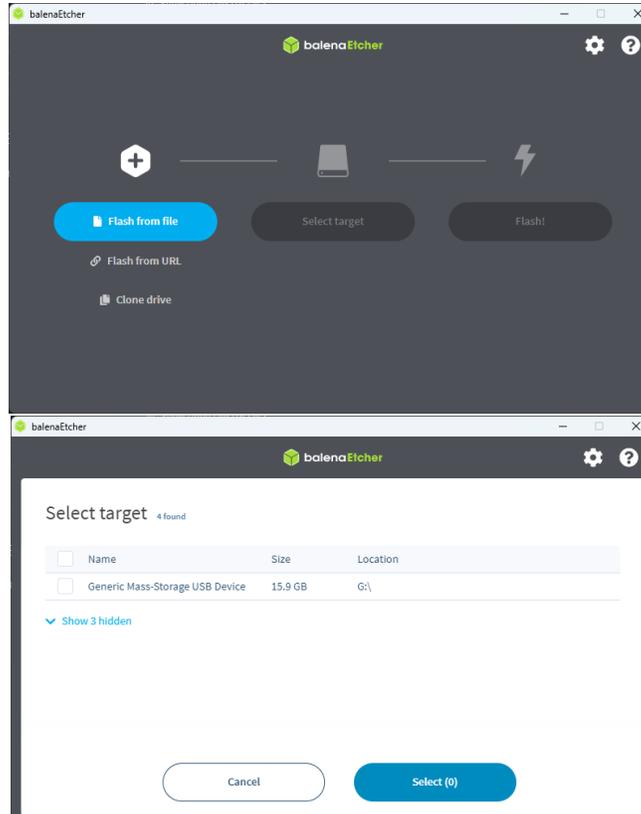# SD CARD CREATION

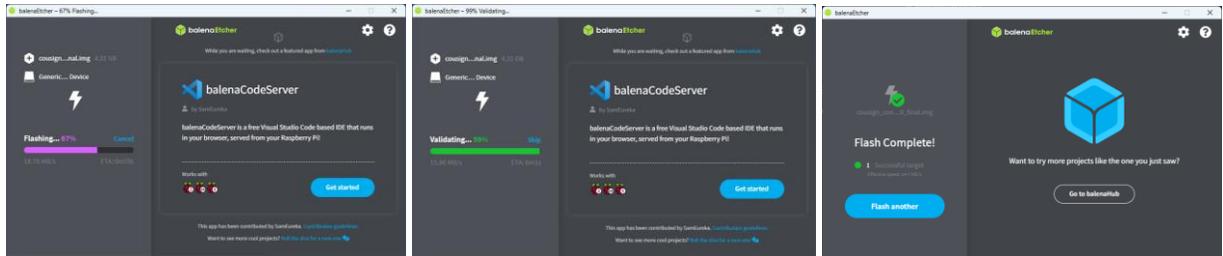## Cousign Controller SD Card Creation Instructions

Below are the steps necessary to create a new SD card for your Cousign network controller from an image (.img) file. The steps below assume you are using balenaEtcher on a supported operating system to perform the SD card flash. Alternative sd imaging tools are available and equivalent.

1. **Download** the latest Cousign Controller Image file from our Dropbox link (*.img):
   COUSIGN CONTROLLER IMAGES
2. **Install** balenaEtcher from https://www.balena.io/etcher/
3. **Insert** a new blank SD card 8GB or larger. You may need a USB dongle or some other method of connecting your SD card to your computer.
   WARNING: If your SD card contains data, it will be overwritten with no option for recovery.
4. **Launch** balenaEtcher
5. Select **Flash** from File and choose the target .img you wish to write to the sd card
6. **Select** target device. balenaEtcher will filter system drives by default. Ensure your card is listed as a USB mass storage device

7. Click **Flash**

If prompted to verify "Do you want to this app to make changes to your device?" Choose Yes. The target SD card will be flashed and verified.

balenaEtcher will automatically eject the media when validation is complete. Your new sd card is ready for use.

8. Close balenaEtcher and **Remove** SD card from your computer

!! POWER DOWN YOUR SIGN BEFORE CONTINUING !!

9. **Replace** any existing SD card in your Cousign network controller with your newly minted card
10. Apply power to the sign and **wait 3 minutes** for the device to configure itself.
11. Using the device select buttons on your IR remote control, **select** a numeric display, flex matrix display, or the scrolling message on your safety scoreboard.
    Only these devices are capable of displaying the IP address of your sign.

If your sign contains only RGB lights or Stoplights please contact your IT department to lookup the IP address of your sign in the DHCP reservations.
Default host name: **cousign-controller**

12. Once your display is selected, press **ENTER ENTER ENTER** on the remote control.
13. **Write** down the IP address that scrolls across the currently selected display.
14. **Navigate** to http://xxx.xxx.xxx.xxx (replace xxx.xxx.xxx.xxx with values from sign)

If the IP address does not scroll, you may be able to navigate to http://cousign-controller or http://cousign-controller.local depending on your network and host computer.

FOR NETWORK CONTROLLER OPERATING INSTRUCTIONS PLEASE SEE

https://www.cousign.com/support#3