

NEC LoopSign Deployment Guide

M-Series with Raspberry Pi4 compute module

NEC has made it very easy to deploy LoopSign to NEC.
You will need a NEC screen with the build in Raspberry Pi4 compute module

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1. What do you need

- NEC screen with Raspberry PI4 compute module

1.1 Selecting LoopSign

- NEC compute module comes with preinstalled NEC media player
- In NEC media player, select CMS and LoopSign – then select Install.
Image will now be downloaded and installed, it will take quite a while.

2. Writing LoopSign image directly to the module

You can deploy Loopsign much faster by writing the image directly to the compute module. This requires some more technical skills, but is a good option if you are to deploy many NEC screens.

2.1 Prepare with the necessary tools

Download and install Driver and software to be able to connect to the RPI4 compute module.

<https://www.raspberrypi.org/documentation/hardware/computemodule/cm-emmc-flashing.md>

Download tool for “burning” the image to the RPI4 compute module.

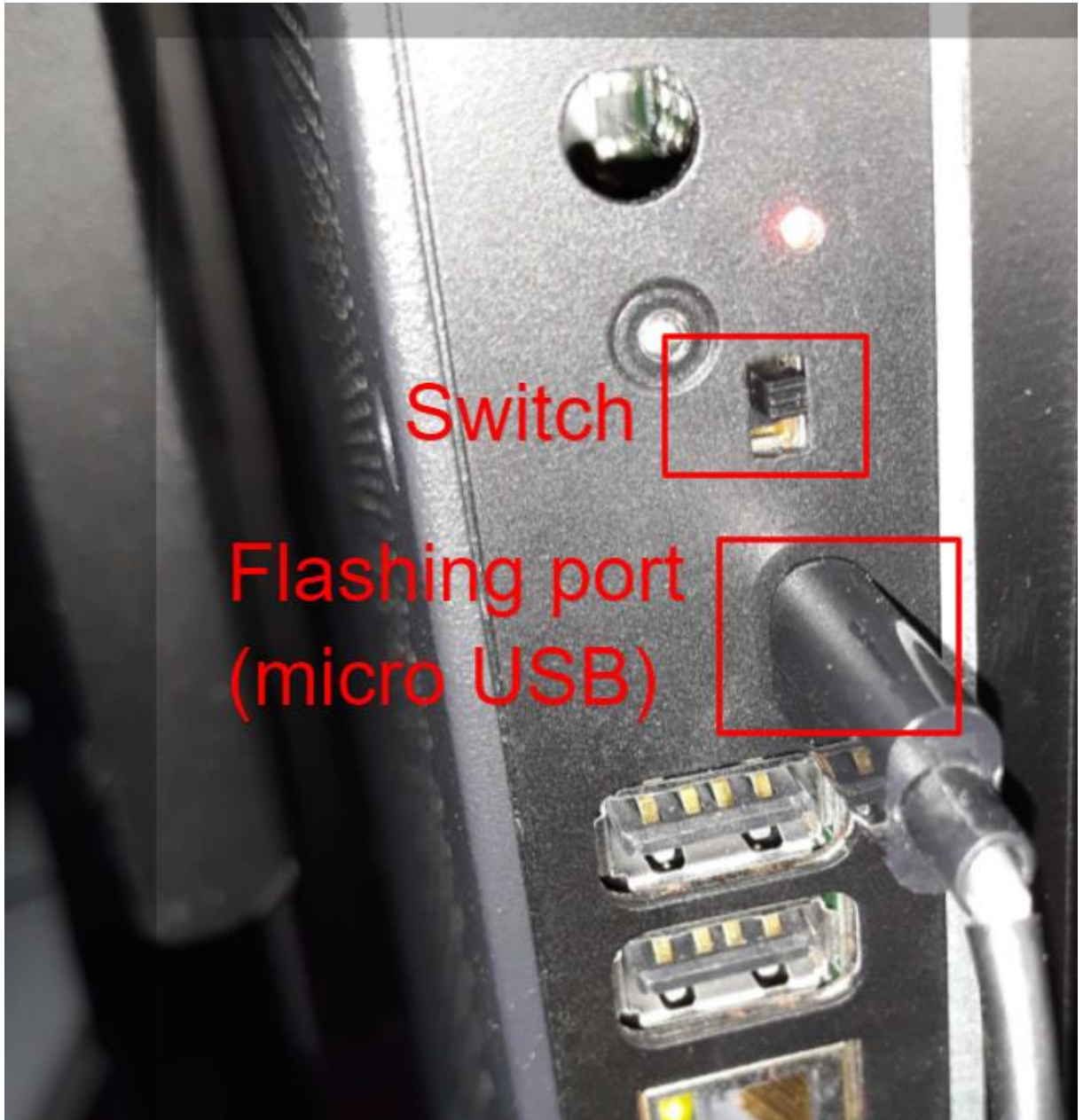
https://rufus.ie/en_US/

Download the latest LoopSign RPI4 image

Download: https://sos.loopsign.eu/LS_Image/ls_image_2024_8_pi4.img.gz

2.2 Burn the image

1. Completely turn off the display (disconnect power)
2. Flip the switch on the CM 4 module down



3. Connect your PC to the CM 4 flash port (micro USB)
4. Start RPi Boot tool (rpiboot.exe)
5. Turn the display on
6. Flash via RPi Boot with Rufus tool, wait until the flashing is done
7. Turn the display off
8. Unplug your PC
9. Flip the switch on the CM 4 module up
10. Turn the display on

3. Configure the player

Note: To configure the settings, you need to connect a USB keyboard and mouse

3.1 Configure localization (Optional)

The PI is set up with Norwegian keyboard layout and TimeZone Oslo (Central Europe)

If you like to change this do as follows:

- Start - "Raspberry Pi Configuration" from desktop 🍷
- Select "Localization" and set whatever settings you prefer.

3.2 Configure screen orientation or resolution (Optional)

By default display runs in normal "landscape" mode 1080P 60Hz

If needed this can be changed by using the desktop Application "Screen Configuration".

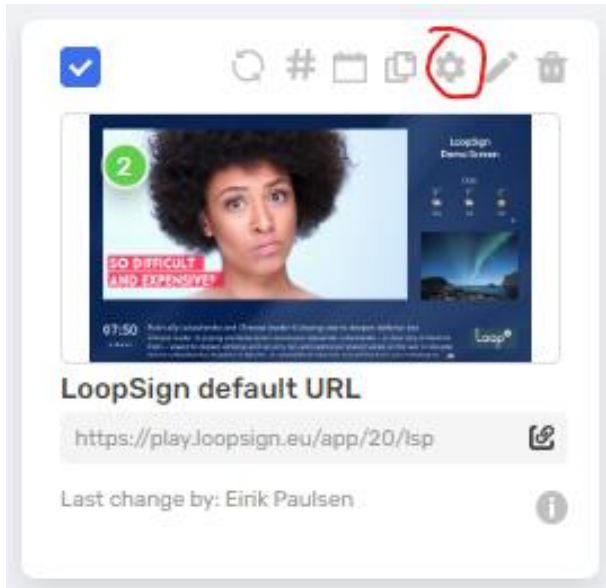
Double click on the "Screen configuration" Icon, select "Execute" then right click on HDMI1 and select orientation. Set the orientation to what you prefer.

3.3 Assign LoopSign Screen

To assign player to your LoopSign screen note the displayed HASH code and assign it to your LoopSign screen.



Login to your LoopSign account and enter "Settings" for the screen you want to assign.



Enable “Samsung Tizen or Android LoopSign Player”
Then enter the HASH code from your player.

GROUP OF SCREENS

Test screen

Samsung Tizen or Android LoopSign Player

TIZEN HASHES

83C76D5

ADD HASH +

You can add more players to same screen if you like by selecting “ADD HASH”
Remember to Save settings.