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# Flash eMMC Guide

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## Document Revisions

2025-04-25    YC    Initial Version

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## Overview

This document describes the steps to flash the Android OS on the internal eMMC storage of the VR Android board:

- VR linux board 6.x with Variscite VAR-SOM-MX8M-PLUS
- NXP UUU (Universal Update Utility) tool version 1.5.201: <https://github.com/nxp-imx/mfgtools/releases>

# 1 Steps to Flash eMMC

**Step 1.** Double-click the shortcut – “Flash\_eMMC” on the screen

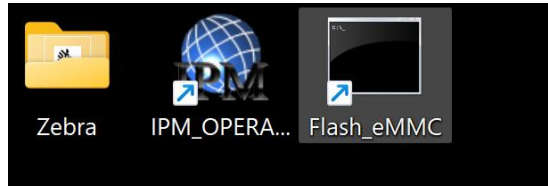


Figure 1. Click to Start the Flash

**Step 2.** In the opened command window, type the command – “dir” to check the image files as below:

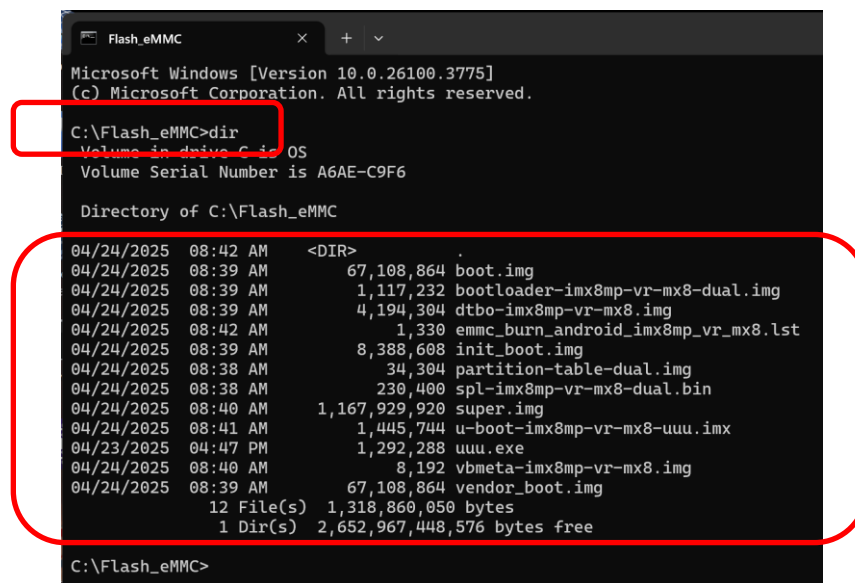


Figure 2. Check Image Files

**Step 3.** Set boot switch = 0, and remove the SD card from the slot:

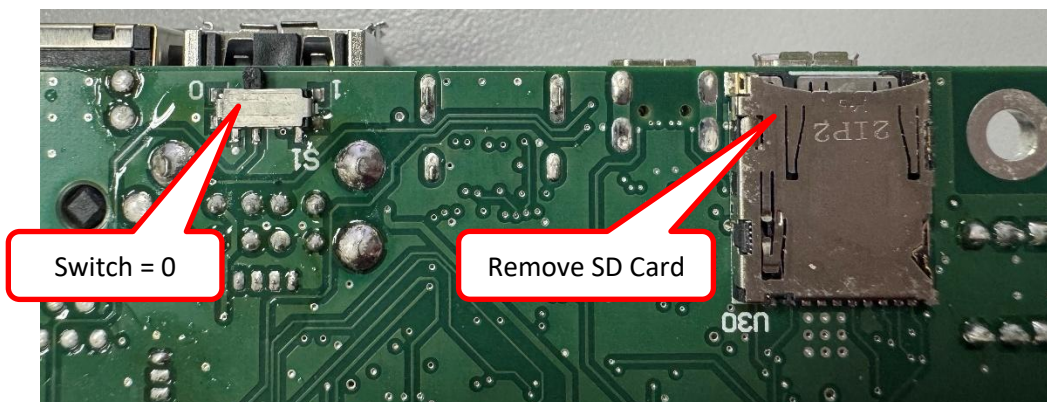
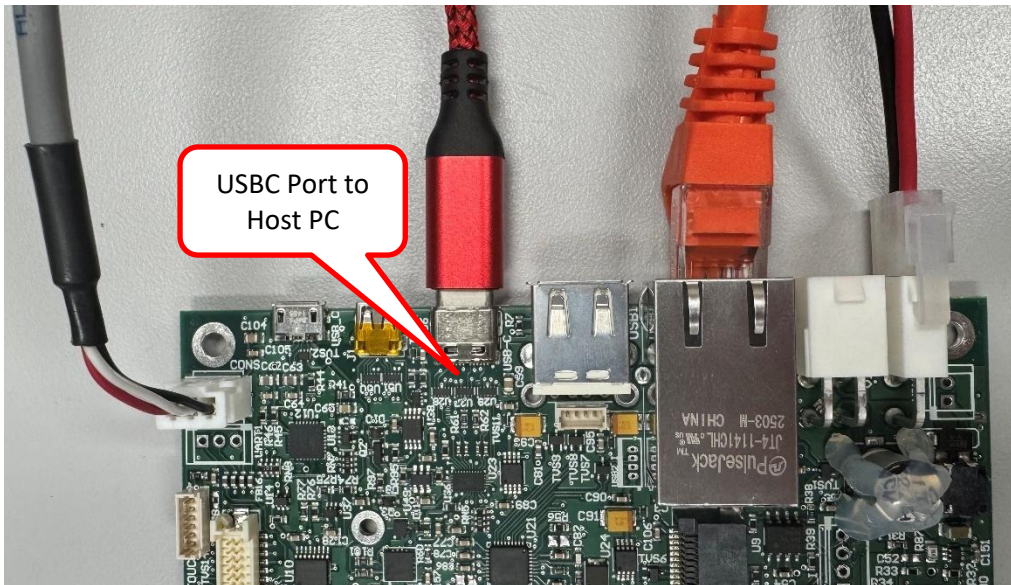


Figure 3. Set Boot Switch = 0 and Remove SD Card

**Step 4.** Connect the cable from the host Windows PC to the USB C port on the board:



**Figure 4. Connect all Cables**

**Step 5.** Turn on the power. Start the programming by the command:

```
uuu emmc_burn_android_imx8mp_vr_mx8.lst
```

```
C:\Flash_eMMC>uuu emmc_burn_android_imx8mp_vr_mx8.lst
uuu (Universal Update Utility) for nxp imx chips -- libuuu_1.5.201-0-g727fc2b

Success 0   Failure 0

1:8341-1A18B 1/ 1 [=====100%=====] SDPS: boot -f u-boot-imx8mp-vr-mx8-uuu.imx
```

**Figure 5. Start the Programming**

**Step 6.** Wait till the programming is completed.

```
C:\Flash_eMMC>uuu emmc_burn_android_imx8mp_vr_mx8.lst
uuu (Universal Update Utility) for nxp imx chips -- libuuu_1.5.201-0-g727fc2b

Success 1   Failure 0

1:8341- 28/28 [Done] FB: done
1:8341-1A18B 1/ 1 [=====100%=====] SDPS: boot -f u-boot-imx8mp-vr-mx8-uuu.imx
```

**Figure 6. Successful Programming**

**Final Step.** Turn off the power. Then set boot switch = 1, and insert the SD card:

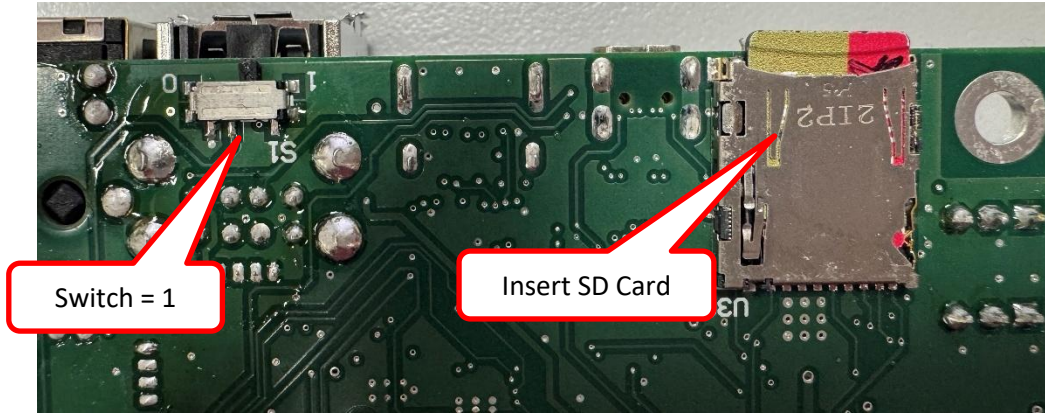


Figure 7. Set Boot Switch = 1 and Insert SD Card