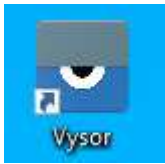# Flashing Firmware on Gemini

Description:

This document provides guidance on how to flash the firmware on Gemini

Preparation:

1. Mini USB cable with data transmission capability.
2. MicroSD card with SD card reader (File System: **FAT32**)
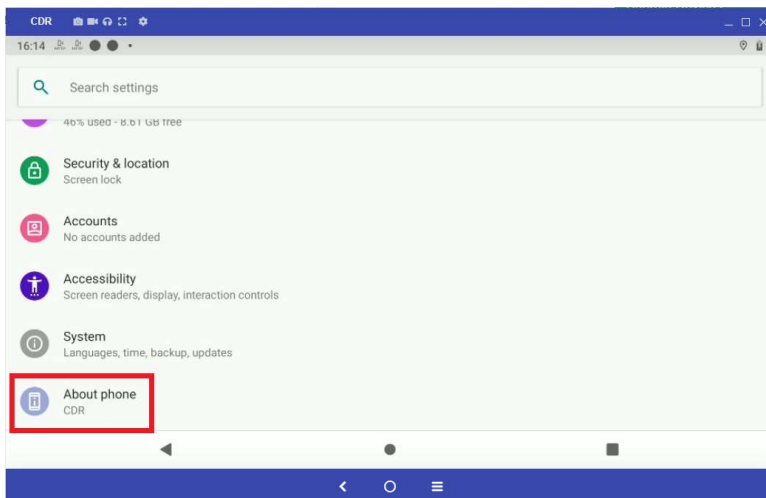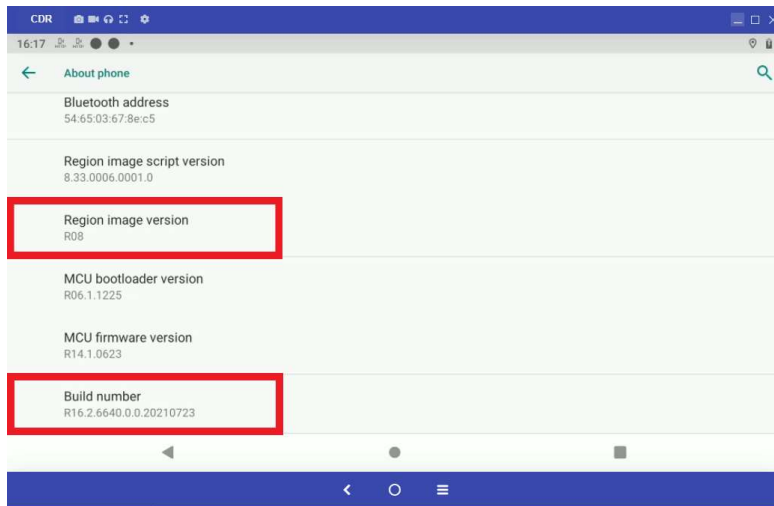3. Software: Vysor or any other Android mirroring tool.

https://www.vysor.io/download/?return=https%3A%2F%2Fwww.vysor.io%2F

4. Firmware file

Base Image Update Procedures:

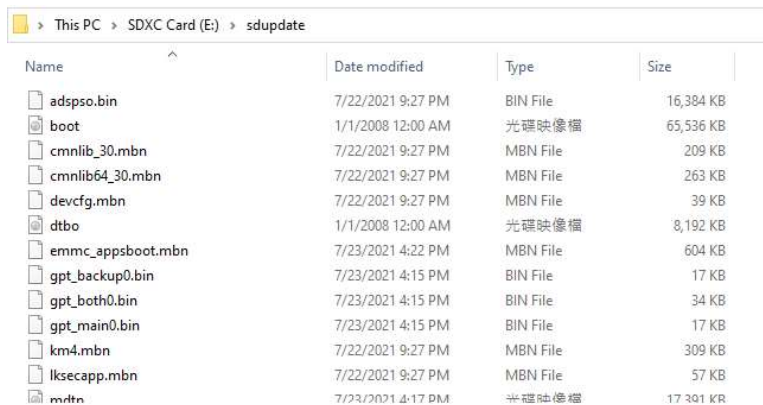1. Confirm the current firmware by checking the setting using Vysor.

2. You can see the region version and base version here.

3. **Disconnect the power of Gemini. The update can only be initiated during the boot up process.**

4. Read the SD card on PC and create a folder named "sdupdate".

5. Unzip and place the firmware files into the "sdupdate" folder.

6. Safely eject the SD card and insert it back to the Gemini.

7. Power on the device, LED will start blinking in green. This process takes about 3 – 5 minutes. Do not remove power until the update has been completed at this point.

8. When LED is in solid green remove the SD card.

9. LED changes into blue and will reboot for a few times. (roughly 3-5 minutes)

10. Confirm the version in setting using Vysor.

Region Image Update:

The procedures are the same. The only different is the LED status during the update.

1. LED blinks in green when device is powered on.

2. LED in solid blue then remove the SD card.

3. Device will reboot a few times to complete the update.

4. Confirm the version in setting using Vysor for Region image

Troubleshoot

If you are not able to connect the device via Vysor, please check the Device Manger in Windows to ensure the device has been detected by the OS.