

SB35 Development Platform Flash Tool Download User's Guide

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Version 1.0

Document Revisions

Date	Revision Number	Document Changes
08/2021	1.0	Initial version

Table of Contents

1	Overview	4
2	Preparation.....	4
3	Download Android Images for SB35	4
3.1	Linux Flash Tool Download	4
3.2	Windows Flash Tool Download.....	8
4	Troubleshooting	8
5	Reference	8

1 Overview

This tutorial guides new developers how to download the images with the MTK flash tool to i350 based SB35 development board.

2 Preparation

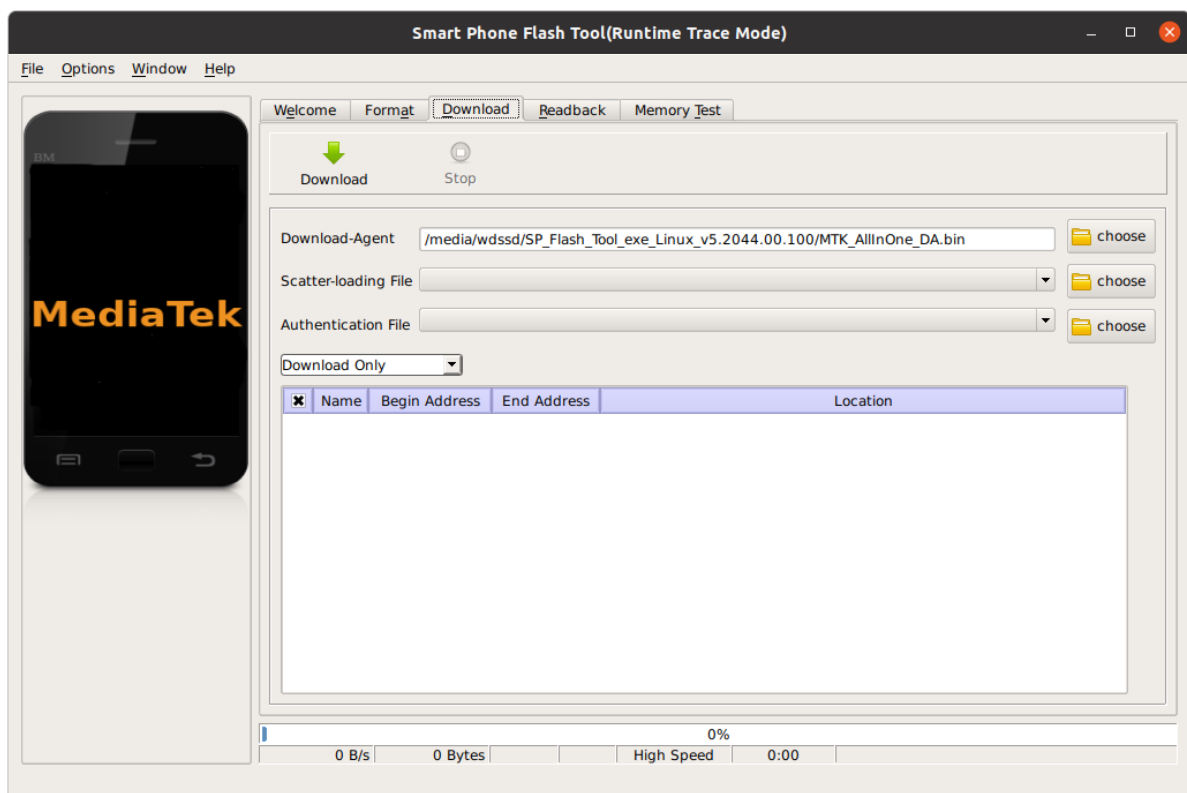
Flash tool supports Ubuntu and Windows OS.

- Driver_Auto_Installer_EXE_v5.1632.00.zip (VCOM driver for Win7/8/10)
- SP_Flash_Tool_exe_Windows_v5.2044.00.000.zip (For Windows)
- SP_Flash_Tool_exe_Linux_v5.2044.00.100.zip (For Ubuntu)

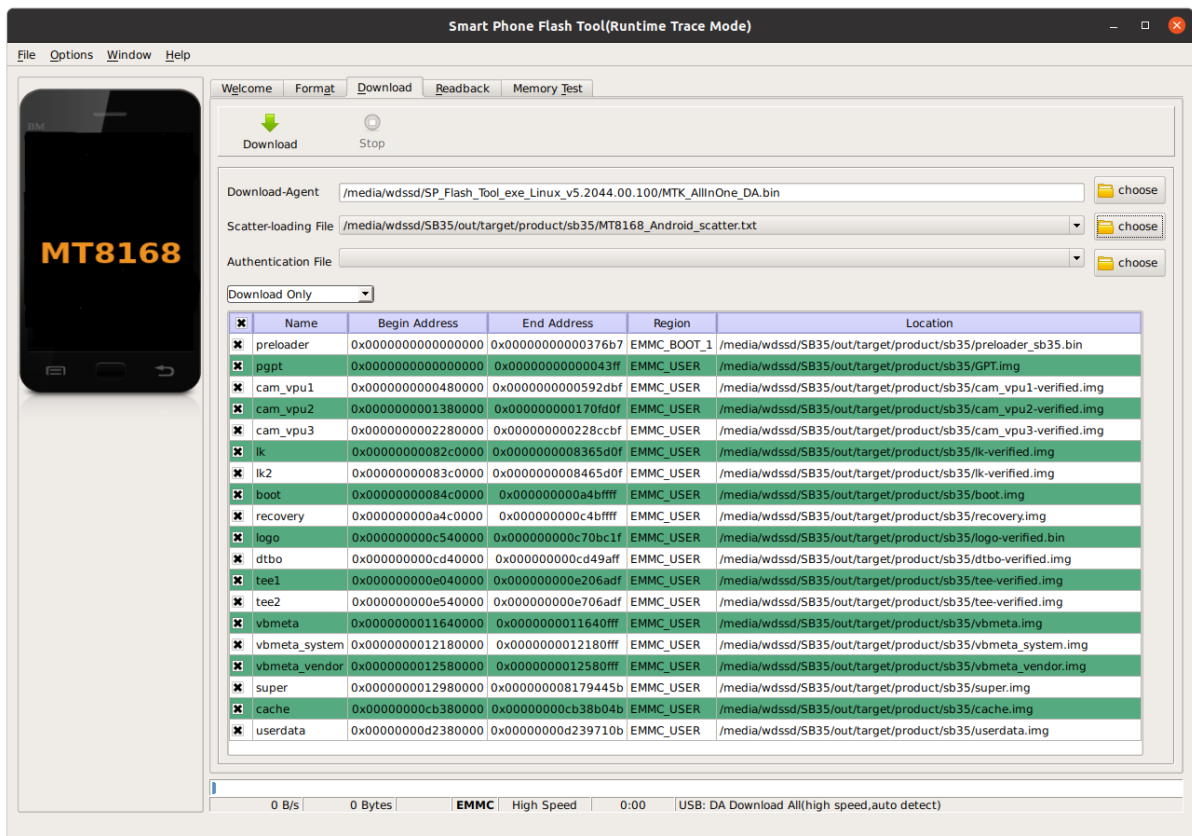
3 Download Android Images for SB35

3.1 Linux Flash Tool Download

- Extract " SP_Flash_Tool_exe_Linux_v5.2044.00.100.zip " and run "flash_tool". Linux flash_tool doesn't require any extra driver.



- Point SW image by click "Scatter-loading" button and choose the file "MT8168_Android_scatter.txt" in SB35 image folder.

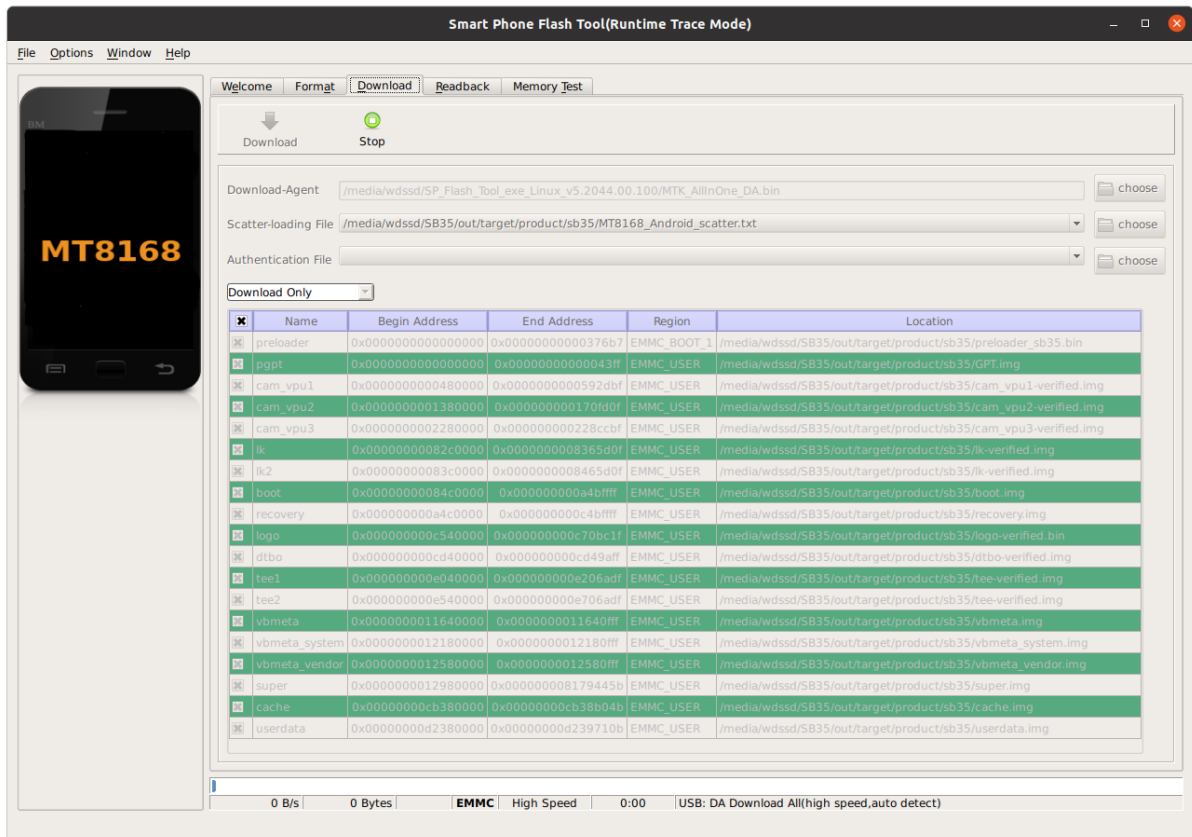


Make sure the mode is "Download Only". However, in engineer development stage, partition table may change due to requirement. If this case happens and show below message, please change the mode to "Firmware Upgrade".

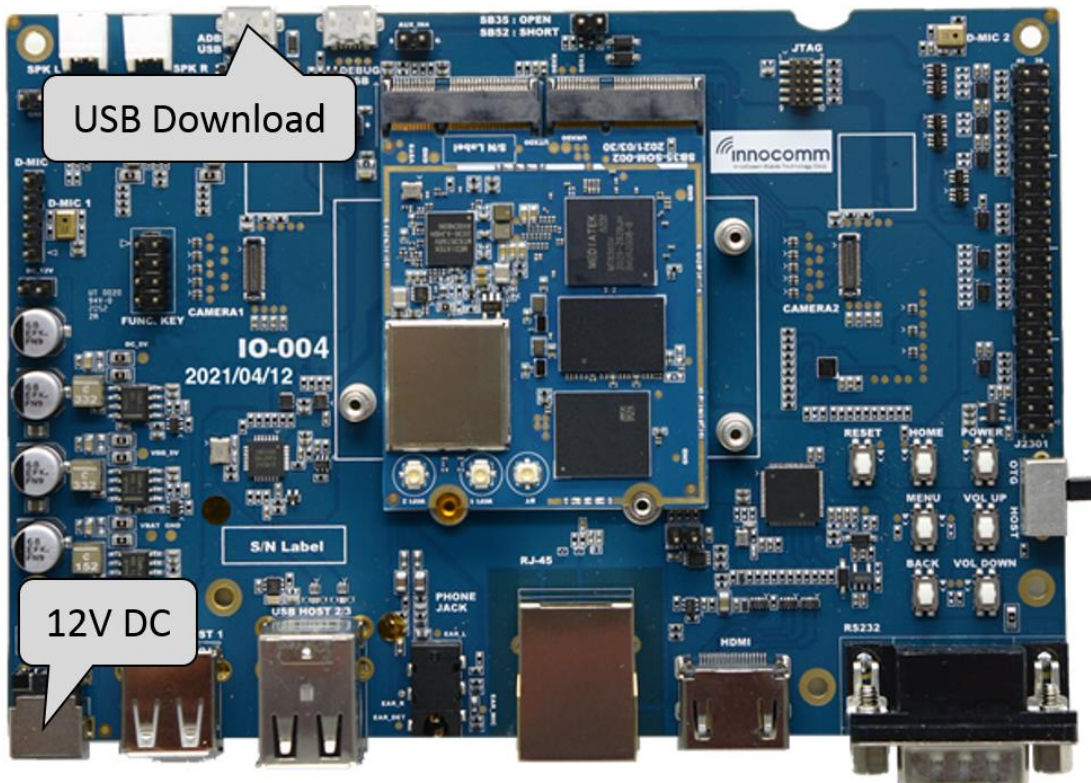


DON'T select "Format All + Download", it will permanently erase your NVRAM data, such as serial no., ethernet mac address ...

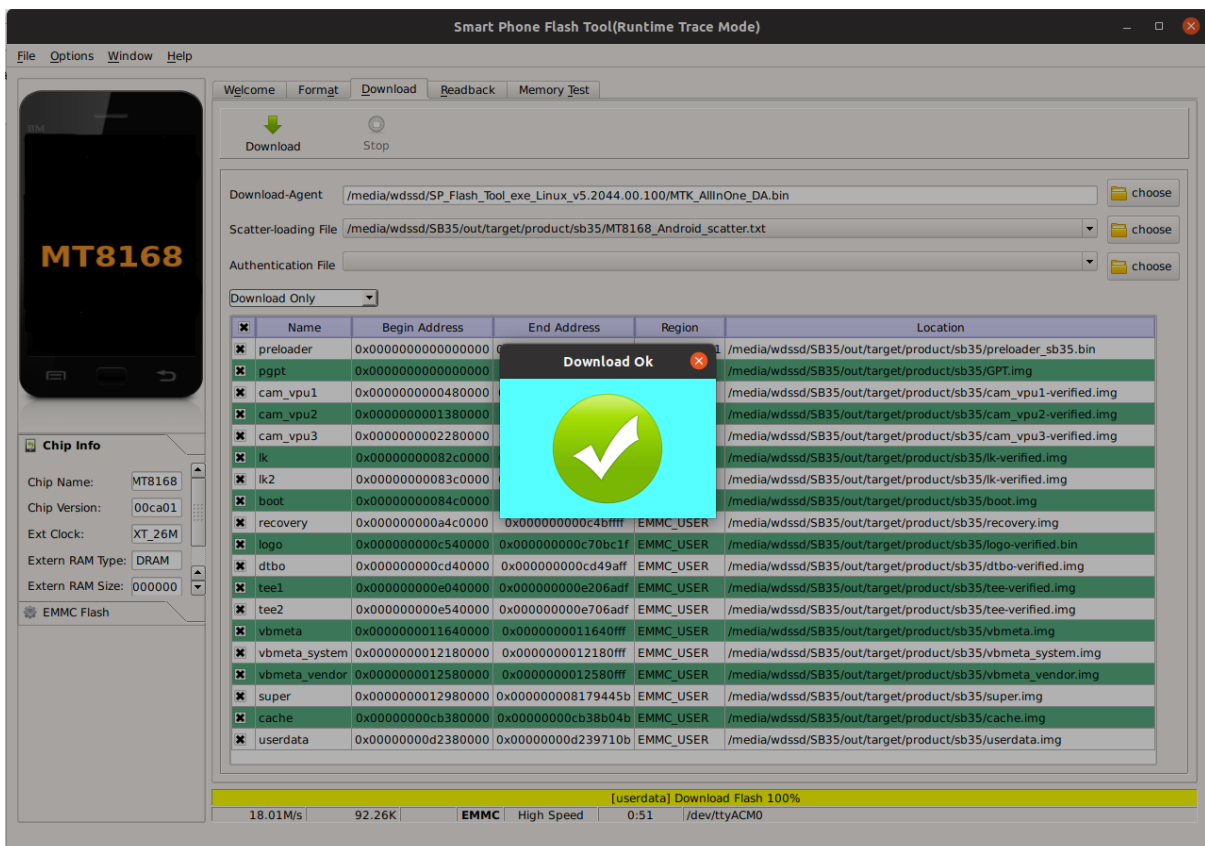
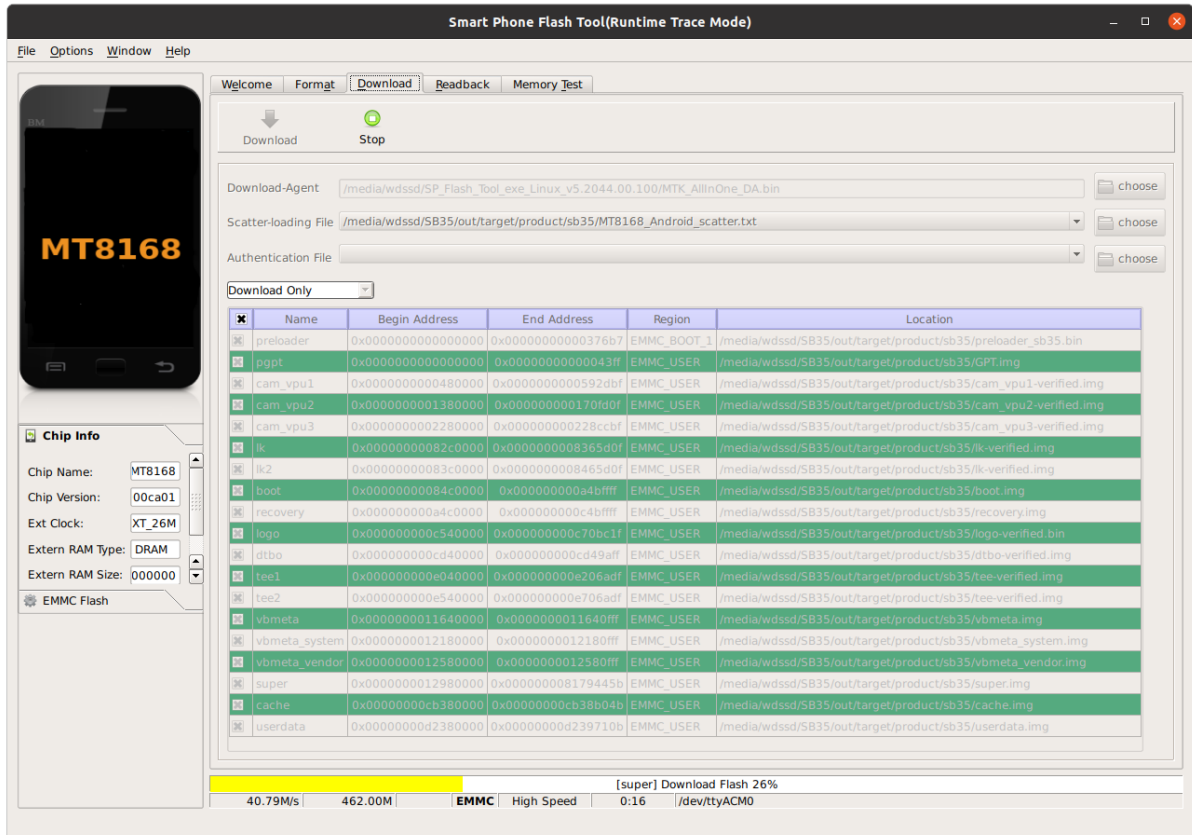
- Press "Download" icon.



Plug USB cable to SB35, then plug 12V power adaptor to SB35.



- Flash will start as below. After re-flash done, flashtool will show “Download Ok”.

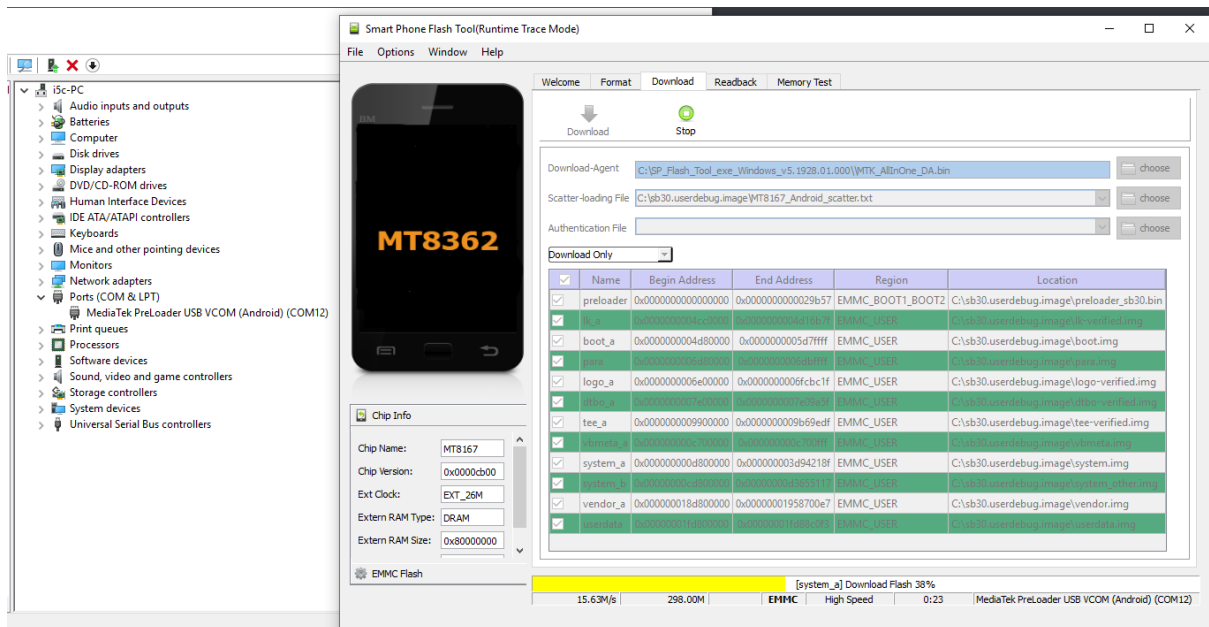


You may need to purge modemmanager if you can't start the download process.

\$ sudo apt-get purge modemmanager

3.2 Windows Flash Tool Download

- Extract “Driver_Auto_Installer_EXE_v5.1632.00.zip” and run “DriverInstall.exe” if no driver installed yet.
- Extract “SP_Flash_Tool_exe_Windows_v5.2044.00.000.zip”.
- Run “flash_tool.exe”.
- Follow the same download procedures as [3.1 Linux Flash Tool Download](#)
- If your Windows Driver is installing properly, you can find USB VCOM (COMxx) port in Windows Device Manager during the download.



4 Troubleshooting

If you see the error message while downloading, please try more times and repeat the following steps (Step 2 ~ Step 5)

1. Run flash_tool
2. Remove power cable. (Android device power off)
3. Flash tool press “Download” icon. (Download Only)
4. Connect the micro USB cable to your PC and Android device.
5. Connect power cable. (Android device power on)
6. Download will start.

5 Reference

- SB35-Android_User_Guide.pdf