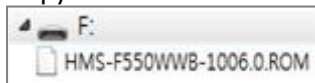


Upgrade Method by USB flash drive

[How to prepare F/W Update file via USB flash drive]

1. Download the newest firmware file onto your computer from www.samsung.com.
2. If the firmware file is compressed (*.zip), the file should be uncompressed.
(*ROM file is Backend upgrade file and *.ssp file is Frontend upgrade file)
3. Connect a USB flash drive to your computer.
4. If there are previous versions of firmware on USB flash drive, please delete them.
5. Copy the firmware file to USB flash drive. (Copy the file in USB root directory as below)



※ *.ROM file and *.ssp file must be copied to a different USB flash drive.

Please do not save them to the same USB flash drive.

※ Do not update all file at once, you can only do one at a time.

[Warning]

1. The following events may interrupt the upgrade process and **MAY RESULT IN PERMANENT DAMAGE TO THE UNIT.**
 - 1) Unplugging the power cord while upgrades are being applied.
 - 2) Power Outage while upgrades are being applied.
 - 3) Remove the USB drive while upgrades are being applied.
2. Please do not save *ROM file and *.ssp file to the same USB flash drive.
3. Please do not re-name firmware file.

We do not guarantee any defects caused by re-naming firmware file.

[How to upgrade the SAT]

1. Power on the device. Move to USB Mode by using Functio key or remote control.
2. Insert a USB drive containing the firmware upgrade into the USB port on the main unit.
3. Firmware will be upgraded automatically and then the main unit will turn off automatically after completing the firmware upgrade.
4. Once upgrading the product software is completed, the initializing is needed.
Turn off the product(standby mode) and then press stop(■) button for a while(about 5 seconds) to reset the product.
After that, you can see the "INI" message on the display.