

4. Firmware update

4-1 Product reset



- This describes how to reset the camera to factory default setting.

1. First turn on the power of the camera.



Fig. 4-1

2. Press the ❶ Zoom button + Shutter button and then turn the ❷ POWER off.



Fig. 4-2

3. Turn the power of the camera on again to check whether it has been reset.



Fig. 4-3

4-2 Version check



- This describes how to check the version of the current firmware of the camera.

1. Use fully charged batteries for power.
2. First turn off the power of the camera.
3. Press the ❶ Zoom button + Shutter button and then turn the ❷ Power ON.



Fig. 4-4

4. Check the version of the firmware and then turn the power off.

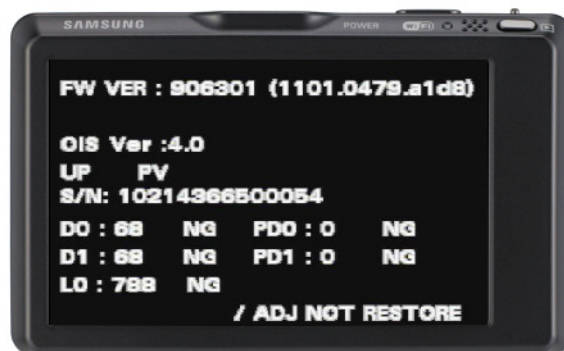


Fig. 4-5

4-3 Upgrade

◆ How to execute the firmware

The firmware is configured in the following structure.

Code area is where the execution codes to operate the camera are located, and the Partition [1:3] area is where the various resources necessary to operate the camera are saved. Among these areas, Partition 3 area is where the Defective Pixel adjustment data and Lens Shading adjustment data are saved.

User Area is where the setting values are saved through the menu when the user uses the camera, and the adjusted data through integrated process is saved.

<Table 4-1>

code	partition1	partition2	partition3	User Area
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► Reference of general version:

- As the version to update the Code + Partition [1:2] area, this protects both the adjusted data saved in the User Area and the Partition 3 area.

1. Insert the SD card containing the firmware data file and Upgrade Script file into the camera.

- * You need two files to upgrade the FW and the required files are FW data file and Upgrade Script file.
- * Because all data saved on the FLASH memory will be reset when you upgrade the firmware, back up your data before proceeding with the upgrade.

2. Use the AC adaptor or fully charged batteries for the power.

- * You can proceed with the upgrade only when the battery level is full (Icon showing full up to 3rd level).

3. Turn on the power of the camera.



Fig. 4-6

4. The version of the FW to upgrade will be displayed on the LCD screen. When you press the SHUTTER button, the FW upgrade will start.



Fig. 4-7

5. The progress of the FIRMWARE upgrade will be displayed on the LCD and the upgrade will proceed.



Fig. 4-8

6. When the upgrade is completed, the camera will automatically be turned off.

4-4 Full upgrade

◆ How to execute the FULL firmware

The firmware is configured in the following structure.

Code area is where the execution codes to operate the camera are located, and the Partition [1:3] area is where the various resources necessary to operate the camera are saved. Among these areas, Partition 3 area is where the Defective Pixel adjustment data and Lens Shading adjustment data are saved.

User Area is where the setting values are saved through the menu when the user uses the camera, and the adjusted data through integrated process is saved.

<Table 4-2>

code	partition1	partition2	partition3	User Area
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► Reference of FULL version:

- As the version to update the Code + Partition [1:3] area, this protects the adjusted data saved in the User Area but resets the Defective Pixel adjustment data and Lens Shading adjustment data. Therefore, you must recover the to previously adjusted data by readjusting or by backing up the adjusted data.
- When executing a FULL version upgrade, the adjusted data will automatically be saved to the SD card and you can upload the adjusted data back to the camera by referring to the following detail method.
- Adjusted data automatically saved to the SD card is composed of 3 files; LSCLUTO.BIN, DefectivePixel0.bin and DefectivePixel1.bin.

1. Insert the SD card containing the FULL FW data file and Upgrade Script file into the camera.

- * You need two files for FULL FW upgrade and the required files are FULL FW data file and Upgrade Script file.
- * Because all data saved on the FLASH memory will be reset when you upgrade the firmware, back up your data before proceeding with the upgrade.

2. Use the AC adaptor or fully charged batteries for the power.

- You can proceed with the upgrade only when the battery level is full (Icon showing full up to 3rd level).

3. Turn on the power of the camera.



Fig. 4-9

4. The version of the FULL FW to upgrade will be displayed on the LCD screen.



Fig. 4-10

5. When you press the SHUTTER button, the FULL FW upgrade will automatically start.

1) First the adjusted data will automatically be backed up in the SD card before the FULL FW upgrade.

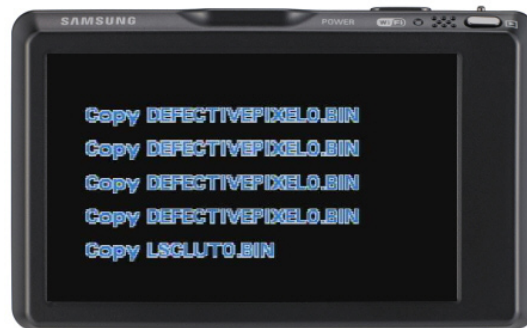


Fig. 4-11

2) Then, the FULL FW upgrade will start. (Green LED will flash)

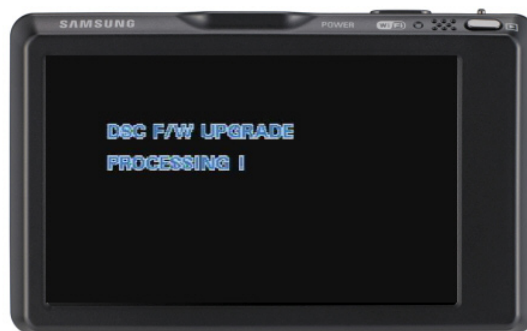


Fig. 4-12

3) When the FULL FW upgrade is complete, the camera will automatically be turned off.

6. To recover the adjusted data backed up, turn on the power of the camera again and press the shutter button (S1).

7. When you press the shutter button when the below screen is displayed, the adjusted data will be recovered.

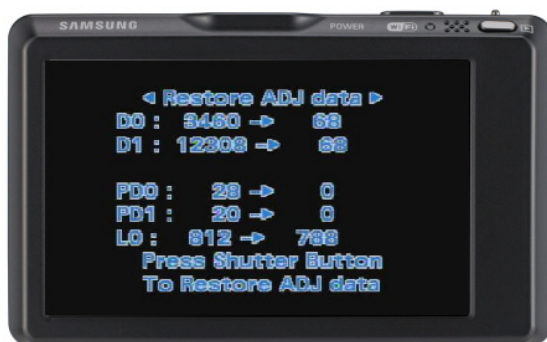


Fig. 4-13

8. When the adjusted data is recovered, the unit will standby in Power OFF condition. (Press the POWER button turn off the power.)

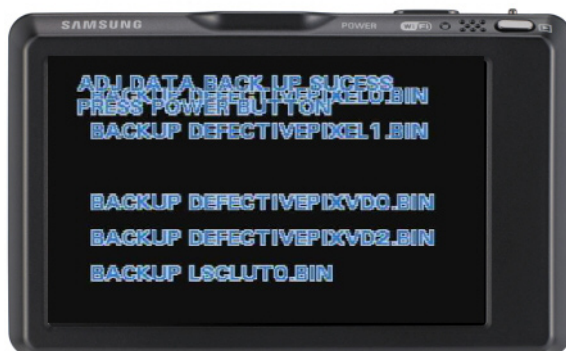


Fig. 4-14

9. Check whether the adjusted data is recovered from the screen to check the firmware version. (Each item – OK)

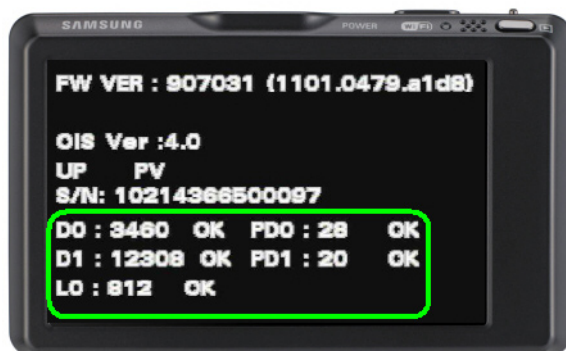


Fig. 4-15

4-5 OIS Firmware



- Description on OIS FW upgrade.

1. Insert SD card with 2 OIS FW files(.hex file, script(.txt)file) in the camera.
2. Use AC adaptor or fully recharged battery.
The firmware can be upgraded only when the battery level indicated is full (with 3 bars).
3. Turn the camera on.



Fig. 4-16

4. OIS FIRWARE PROCESS is displayed on LCD and upgrade is carried out.

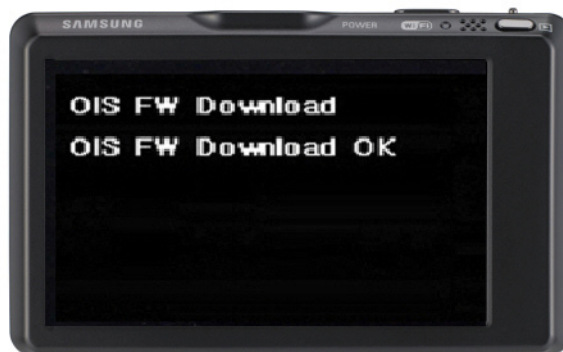


Fig. 4-17

5. Once upgrade is completed, the camera is automatically off.
Once OIS FW upgrade is completed, adjust the center of OIS.