

## Chapter 1 – Firmware upgrading procedure

SmartyCam firmware upgrading procedure is quite simple but needs to be performed exactly as here explained. **SmartyCam, has two internal processors:**

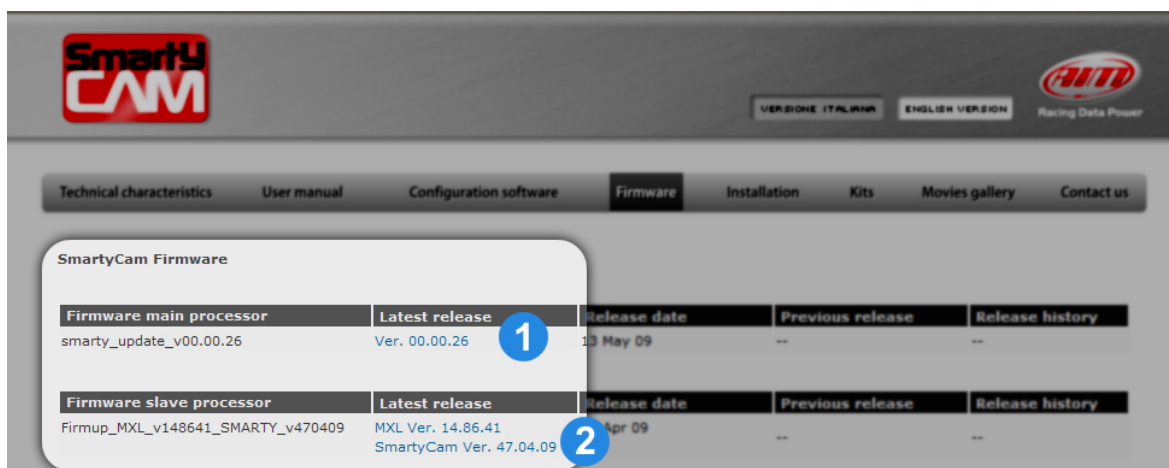
- a Main one that manages the camcorder operative system and all processes strictly connected to the Camcorder working and
- a Slave one that manages GPS receiver, accelerometers and CAN connection.

This is why a double firmware upgrade is to be performed.

**Warning: at present SmartyCam slave processor firmware can be upgraded only through an external AIM logger working as master.**

### 1.1 – Firmware download

To download SmartyCam firmware visit [www.smartycam.com](http://www.smartycam.com) and click on firmware tab bottom on the page. This page appears.



As highlighted in the above image there are two possible types of firmware:

- Main processor firmware.
- Slave processor firmware.

To know if the firmware actually installed on SmartyCam is the latest one just reach INFO PAGE on the camcorder (MENU / SETTINGS / INFO) and compare the versions with the information you can find in the web. For example, in the picture, you can see that the last main firmware is 00.00.26 and the last Slave firmware is 47.04.09.

To download **main processor** firmware:

- right click on the file (“1” in the above image);
- select “Save target as” option;
- select file destination folder and click on save button;
- a “.zip” file is saved (for instance “**smarty\_update\_v00.00.30.zip**”)
- it is necessary to switch it to a “.run” file using compression/ decompression software (like Winzip or WinRAR): right click on the file and select “extract” option;
- a “**smarty\_update\_v00.00.30.run**” file comes out and it is necessary to copy it on SmartyCam (paragraph 1.2.1)

To download **slave processor** firmware:

- right click on the file (“2” in the above image) according to the master logger SmartyCam is slave of;
- select “Save target as” option;
- select file destination folder and click on save button.

## 1.2 – Firmware upgrading

SmartyCam firmware upgrading procedure is to be performed in two steps.

### 1.2.1 – Main processor firmware upgrading

- switch SmartyCam off;
- remove the Micro SD from it;
- insert the micro SD in the PC driver
- copy the main processor firmware upgrading file on the micro SD, using a normal Windows Explorer (for example “**smarty\_update\_v00.00.30.run**”);
- remove the micro SD from the PC reader and insert it into the SmartyCam;
- Power SmartyCam on and keep pressed **the right button** until Linux Penguin appears;
- firmware upgrading starts automatically;
- when the procedure has successfully ended a confirmation message appears.

### 1.2.2 – Slave processor firmware upgrading

- switch SmartyCam off;
- remove the micro SD from it;
- connect SmartyCam to an AIM logger working as its master;
- connect the logger to the PC;
- switch both logger and SmartyCam on (using the central pushbutton);
- run slave processor Firmup;
- follow the instruction that appears on the PC monitor;
- Switch off SmartyCam and its master logger;
- Re-insert the micro SD in SmartyCam;

Now the whole system is upgraded.