

## Chapter 1 – Firmware upgrading procedure

### 1.1 – Introduction

To upgrade SmartyCam firmware it is important to keep in mind that **SmartyCam has got two internal processors**:

- the “**Main**” processor, managing SmartyCam operative system and all processes strictly connected to SmartyCam working mode;
- the “**Slave**” processor, managing GPS receiver, accelerometer, CAN connection.

Firmware upgrading procedure depends on the firmware version installed on the “Slave” processor: check it following the path MENU / SETTINGS / INFO.

### 1.2 – Slave processor with firmware version up to 47.04.xx

In this case firmware upgrading procedure is to be performed in two steps, because it is first of all necessary to take “Slave” processor to 47.05.xx firmware version. First step is to upgrade “Slave” processor firmware and – afterwards - “Main” processor one.

**Warning: at present SmartyCam “Slave” processor with firmware up to version 47.04.xx can be upgraded only using an AIM logger (EVO3 Pro/Pista, EVO4, MXL Pista/Pro/Pro05, MyChron4). In case an AIM logger is not available contact your AIM dealer or AIM.**

#### 1.2.1 – “Slave” processor upgrading

The firmware for “Slave” processor upgrading can be downloaded free of charge from [www.smartycam.com](http://www.smartycam.com); click “Download Area”. This page appears.



Software	Latest release	Documentation	Previous release	Release history
SmartyManager	1.01.01 (06 Aug 09)	User manual ver. 1.00	1.01.00	Download Pdf

AIM device	Latest release	Release date	Previous release	Release history
SmartyCam Slave processor firmware	47.05.02	06 Aug 09	01.00.04	
SmartyCam Slave processor firmware	47.05.02	05 Aug 09	47.05.01	Download Pdf

To download “**slave processor**” firmware:

- right click the file highlighted here above;
- select “Save target as...” option;
- select file destination folder and click on “Save”.

To upgrade “Slave” processor up to a 47.05.XX version.

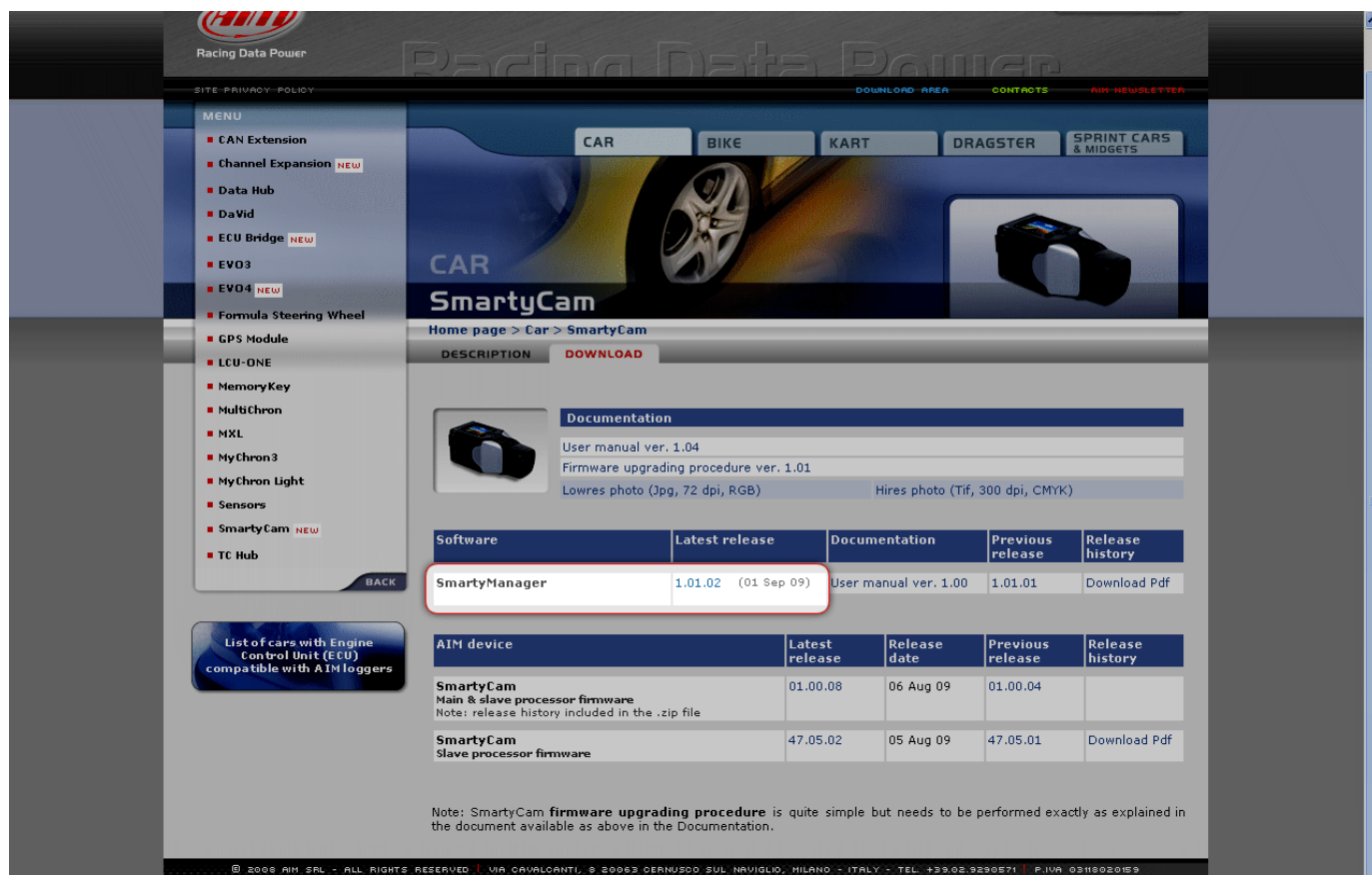
- switch SmartyCam off;
- remove the micro SD;
- connect SmartyCam to an AIM logger;
- connect the logger to the PC;
- switch the logger and SmartyCam on (using the central button);
- run “Slave processor” upgrading firmware;
- follow the instructions that appear on the PC monitor;
- power SmartyCam and the logger off;
- re-insert micro SD in SmartyCam.

### 1.2.2 – “Main” processor upgrading

To upgrade “Main” processor it is necessary to use SmartyManager software that can be downloaded free of charge from [www.smartycam.com](http://www.smartycam.com). The upgrading procedure is the same used to upgrade the firmware of SmartyCam whose slave processor has a firmware version 47.05.xx, explained in the next paragraph.

### 1.3 – Slave processor with firmware version from 47.05.01

To upgrade SmartyCam with slave processor firmware 47.05.01 or more recent versions SmartyManager software is needed. It can be downloaded free of charge from [www.smartycam.com](http://www.smartycam.com). Click “Area download” and this page appears:



The screenshot shows the website interface for SmartyCam. On the left is a navigation menu with various product categories. The main content area is titled 'CAR SmartyCam' and includes a 'DOWNLOAD AREA' section. A table lists software products, with 'SmartyManager' highlighted. Below this, another table lists AIM devices with their release dates and previous versions.

Software	Latest release	Documentation	Previous release	Release history
SmartyManager	1.01.02 (01 Sep 09)	User manual ver. 1.00	1.01.01	Download Pdf

AIM device	Latest release	Release date	Previous release	Release history
SmartyCam Main & slave processor firmware Note: release history included in the .zip file	01.00.08	06 Aug 09	01.00.04	
SmartyCam Slave processor firmware	47.05.02	05 Aug 09	47.05.01	Download Pdf

Note: SmartyCam firmware upgrading procedure is quite simple but needs to be performed exactly as explained in the document available as above in the Documentation.

Download and install SmartyManager; run it and press “Firmware upgrading” on the left vertical keyboard of the software main window.

Firmware upgrading window opens. It shows firmware download panel on top and firmware update on bottom.

The software connects automatically to AIM server (be sure that the web connection is available) and shows all available firmware versions, highlighting the latest.

Pressing the central “download selected file” button files will be downloaded in C:\Program files\AIM\SmartyConf\internet\firmup.

Firmware update panel shows two possible options:

- SmartyCam update;
- Micro SD update.

### **1.3.1 – SmartyCam update**

To update SmartyCam:

- connect the camera to the PC with the proper USB cable;
- switch it on;
- select “SmartyCam update” option;
- press “SmartyCam Connect”;
- press “Execute update” in “Firmware updating” panel;
- follow the instruction that appear on the PC monitor.

### **1.3.2 – Micro SD update**

To update the Micro SD:

- switch SmartyCam off;
- extract the micro SD;
- put it in the PC driver (or in an USB adapter in case the PC is not equipped with a micro SD driver);
- select “Micro SD update” option;
- press “Browse for Micro SD”;
- “Browse for folder” window opens;
- browse it and select the Micro SD;
- press “Execute update” in firmware updating panel;
- extract the SD from the PC;
- insert it in SmartyCam;
- switch SmartyCam on keeping the right button pressed until Linux penguin appears;
- firmware upgrading is automatically executed.
- In case an error message appears check that the micro SD is correctly inserted in SmartyCam and re-start the upgrading procedure.