

## -HPR 100- Firmware upgrade

### - Necessary material:

- HPR 100 with 1.8.9 version or subsequent;
- SD card in FAT 16;
- Last firmware version for programmer;
- PC;

### - Previous steps:

- Two new folders will be created: *Programs* and *Channels* the first time you insert the card in the programmer. If the card is not inserted in HPR 100 yet, you should create the folders manually from the PC. These folders are important because:

In order to detect the different modules, the programmer must have saved in the *Programs* folder the files of the different groups of devices:

- HPR\_1.upg: headends HTAR / HSAR series.
- HPR\_2.upg: Modulator HAVM 100.
- HPR\_3.upg: Programmable central PV 50/2
- HPR\_4.upg: Transmodulators, regenerator, etc.



**Note:** If we do not have the database that corresponds to the module we wish to program, the programmer will not be able to detect the module.

- Download last firmware version available for your programmer. You can find at: <http://www.ankaro.com>
- Unzip the file downloaded from the web site in the "Programs" folder of the SD card. It contains:
  - HPR\_1.upg
  - HPR\_2.upg
  - HPR\_3.upg
  - HPR\_4.upg

### - Upgrading:

1. Before introducing the SD card in the HPR 100, it is necessary to introduce the updating files in the *Programs* folder of the SD card, and then to connect the HPR 100 with the SD card already inside.
2. When the programmer starts it will detect the new software version and will offer the possibility of updating the programmer.
3. Press OK to start the updating or CANCEL to leave the main menu of the device you are connected to.

ANKARO - HPR100

New Firmware:  
OK for upgrading  
CANCEL to Exit

4. If you chose to make the updating, the programmer will follow the next steps:

<pre>ANKARO          V:1.8.11 Updating Firmware Please wait</pre>	<pre>ANKARO          V:1.8.13 Updating Resources Please wait</pre>	<pre>ANKARO          V:1.8.13 Universal Programmer  28.04.2010</pre>
1. Updating Firmware	2. Updating resources	3. Updating finished