

ANNEX 1 Firmware Upgrading through USB Memory Device

A1.1. Preliminary Information:

Your PVR firmware may be upgraded in a very easy way, through a USB 2.0 Memory Device. At front panel of the PVR you will find, behind the central tap, a female USB connector A type (it is used in "Pen Drive" memories or "USB Flash Drive").

It is very important to highlight that the memory device must be USB 2.0 or USB 2.0 HighSpeed types.

A1.2. Upgrading Procedure

To proceed with the upgrading, you must have the file with last available version, which you can download from:

<http://www.ftemaximal.com/ingles/firmware.php>

From this website, you will reach a ZIP compressed file which must be decompressed in the root folder of the USB Memory device.

This downloaded file will have the following name:

usbupdate.bin

IT MUST BE NOT ANY OTHER FILE PLACED IN THE ROOT FOLDER NAMED WITH THE SAME NAME, ALTHOUGH IT IS ONLY A PART OF THE NAME.

When you decompress the file, it may appear a second file called *forceUSBupdate* which has a special function. See the chapter A1.3 in case this file appears.

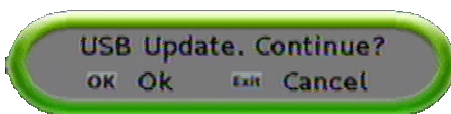
Once you have the file *usbupdate.bin* in the root folder of your memory, please proceed to connect the memory device at front USB connector of the PVR. When the PVR detects a memory device connected, it lights the USB indication in the front display, and it begins to search the information that the memory contains.



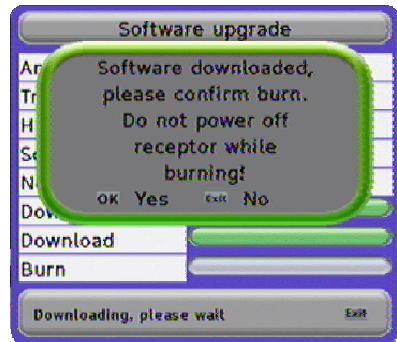
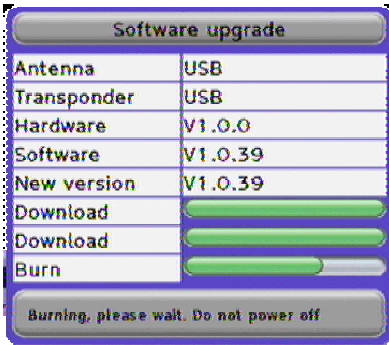
In some cases, it could be necessary to introduce the memory device 2 times. If you realise that the equipment does not response in anyway, please take out the USB memory after some seconds and plug it again. If your memory includes some sort of indicator LED (p.ex. an blinding LED), please ensure that it is not in this mode at the moment of taking out the device.

The messages which may appear in the screen could be the following ones:

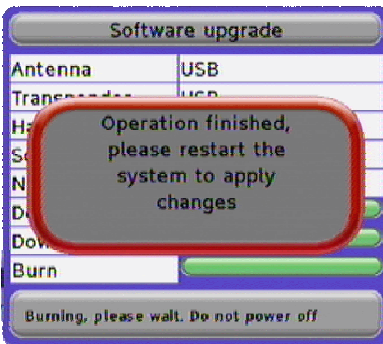
- 1.- In case of finding a correct memory which contains a firmware version:



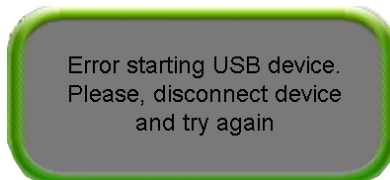
Press **OK** and your equipment will upgrade in few seconds. You will need to restart the equipment in order to the changes will be done correctly. For this, please use the main power switch of the back panel. Before switching on the equipment again, disconnect the memory device to avoid restarting again the upgrading process. The process shows the following steps:



And it finishes the process requesting a restarting of the equipment, which must be carried out through the main power switch at the back panel of the equipment:



2.- If the equipment detects whatever problem with the memory device, it could appear a message like the following one:



In this case, take out the memory and connect it again.

If the memory device is not USB 2.0 type, it appears the message showing that USB 1.x device types are not supported.

In this case, you should change the memory device you are using by another one which is compatible.

A1.3.- Forced Upgrading

In case the firmware version you have downloaded contains the file *forceUSBupdate*, the process of upgrading is the same as in the standard case. The main differences are the following ones:

- It is not necessary to press OK to accept the upgrading, PVR upgrades automatically.
- In this case, the upgrading procedure deletes the channel list stored, so, you will have to repeat the storage of the channels or to save before the configuration of your PVR (see User's Manual).

NOTE: The Firmware upgrading, in never deletes the information contained in the internal Hard Disk.