

New Configuration of Analog Video- and Audio-outputs on the dBox

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1. Problems with the present setup

For background, see [this article](#). In short, the present setup is based on the setup file `scart.conf`, which simply is a too simpleminded mechanism for handling all cases. No possibility exists for selecting between CVBS and SVideo output on the VCR-Scart. This improvement, to control, neutrino, and the saa-driver fixes those problems, and is believed to be a more sane basis for further development.

The configuration file `scart.conf` has been replaced by [io-config.xml](#), allowing a much more fine-grained control of the AV-Switch. In particular, the user can, from the Neutrino GUI, select between SVideo and CVBS-Output on the VCR-Scart. Due to restrictions in the hardware, SVideo for the VCR can only be selected if SVideo or CVBS is selected for the TV-Scart. Using "YUV + VBS" no (color) video output to the VCR is possible. However, the ultimate goal is *not* to give the user "ultimate freedom", but to "do it right". The configuration file is a means for changing the behavior without recompilation. Ideally, when we have gathered sufficiently much information, it should go away.

Other improvements:

- The LIRC Patch, allowing LIRC actions when switching between 4:3 and 16:9 aspect ration, has been included. This is the patch from [here](#).
- FBLK is now inactive when selecting YUV as video format. (See [this thread](#).) (It is simply wrong to force a TV into RBG-mode with FBLK when no RGB is there, makes everything green (like in "[The Matrix](#)"...).)

2. Download

[Download diff to the source](#). For a short time only, there is an [neutrino-jffs2.img1x-image](#) and a [neutrino-jffs2.img2x-image](#) with the patch available. These are based on the CVS stand from 2006-01-05. Just for testing purposes; does not even contain boot logos.

3. Configuration file

The configuration file [io-config.xml](#) goes into the directory `/var/tuxbox/config`. (It replaces `scart.conf`.) It is an XML-file, and even comes with a [DTD](#)! The syntax is defined by the DTD, and the semantics should be clear after reading the [background article](#).

As I wrote above, the goal is that the configuration file eventually should go away. Therefore, if you discover that my values are not right for you, please report, preferably in the [forum](#).

4. Interoperability with other patches

This patch contains the LIRC-Patch for control. It conflicts with, and replaces, the saa-patch.