

The saa7134 driver

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This is a v4l2/oss device driver for saa7130/33/34/35 based capture / TV boards.

Status

Almost everything is working. video, sound, tuner, radio, mpeg ts, ...

As with bttv, card-specific tweaks are needed. Check CARDLIST for a list of known TV cards and saa7134-cards.c for the drivers card configuration info.

Build

Once you pick up a Kernel source, you should configure, build, install and boot the new kernel. You'll need at least these config options:

```
./scripts/config -e PCI
./scripts/config -e INPUT
./scripts/config -m I2C
./scripts/config -m MEDIA_SUPPORT
./scripts/config -e MEDIA_PCI_SUPPORT
./scripts/config -e MEDIA_ANALOG_TV_SUPPORT
./scripts/config -e MEDIA_DIGITAL_TV_SUPPORT
./scripts/config -e MEDIA_RADIO_SUPPORT
./scripts/config -e RC_CORE
./scripts/config -e MEDIA_SUBDRV_AUTOSELECT
./scripts/config -m VIDEO_SAA7134
./scripts/config -e SAA7134_ALSA
./scripts/config -e VIDEO_SAA7134_RC
./scripts/config -e VIDEO_SAA7134_DVB
./scripts/config -e VIDEO_SAA7134_GO7007
```

To build and install, you should run:

```
make && make modules_install && make install
```

Once the new Kernel is booted, saa7134 driver should be loaded automatically.

Depending on the card you might have to pass `card=<nr>` as `insmod` option. If so, please check Documentation/admin-guide/media/saa7134-cardlist.rst for valid choices.

Once you have your card type number, you can pass a modules configuration via a file (usually, it is either `/etc/modules.conf` or some file at `/etc/modules-load.d/`, but the actual place depends on your distribution), with this content:

```
options saa7134 card=13 # Assuming that your card type is #13
```

Changes / Fixes

Please mail to linux-media AT vger.kernel.org unified diffs against the linux media git tree:

https://git.linuxtv.org/media_tree.git/

This is done by committing a patch at a clone of the git tree and submitting the patch using `git send-email`. Don't forget to describe at the lots what it changes / which problem it fixes / whatever it is good for ...

Known Problems

- The tuner for the flyvideos isn't detected automatically and the default might not work for you depending on which version you have. There is a `tuner=` `insmod` option to override the driver's default.

Credits

andrew.stevens@philips.com + werner.leebe@philips.com for providing saa7134 hardware specs and sample board.