

The saa7134 driver

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Card Variations:

Cards can use either of these two crystals (xtal):

- 32.11 MHz -> .audio_clock=0x187de7
- 24.576MHz -> .audio_clock=0x200000 (xtal * .audio_clock = 51539600)

Some details about 30/34/35:

- saa7130 - low-price chip, doesn't have mute, that is why all those cards should have .mute field defined in their tuner structure.
- saa7134 - usual chip
- saa7133/35 - saa7135 is probably a marketing decision, since all those chips identifies itself as 33 on pci.

LifeView GPIOs

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- LifeView FlyTV Platinum FM (LR214WF)
 - GP27 MDT2005 PB4 pin 10
 - GP26 MDT2005 PB3 pin 9
 - GP25 MDT2005 PB2 pin 8
 - GP23 MDT2005 PB1 pin 7
 - GP22 MDT2005 PB0 pin 6
 - GP21 MDT2005 PB5 pin 11
 - GP20 MDT2005 PB6 pin 12
 - GP19 MDT2005 PB7 pin 13
 - nc MDT2005 PA3 pin 2
 - Remote MDT2005 PA2 pin 1
 - GP18 MDT2005 PA1 pin 18
 - nc MDT2005 PA0 pin 17 strap low
 - GP17 Strap "GP7"=High
 - GP16 Strap "GP6"=High
 - 0=Radio 1=TV
 - Drives SA630D ENCH1 and HEF4052 A1 pinsto do FM radio through SIF input
 - GP15 nc
 - GP14 nc
 - GP13 nc
 - GP12 Strap "GP5"= High
 - GP11 Strap "GP4"= High
 - GP10 Strap "GP3"= High
 - GP09 Strap "GP2"= Low
 - GP08 Strap "GP1"= Low
 - GP07.00 nc

Credits

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