

PiBox - Bug #300

tvservice stopped working

23 Mar 2014 18:28 - Hammel

Status:	Closed	Start date:	23 Mar 2014
Priority:	Immediate	Due date:	
Assignee:	Hammel	% Done:	100%
Category:	02 - GPU Firmware	Estimated time:	0.00 hour
Target version:	0.9.0		
Severity:	01 - Critical		
Description			
<p>I get this when I run any of the /opt/vc/bin programs:</p> <pre>1. ./tvservice -s [E] Failed to initialize VCHI (ret=-1) 1. ./vchiq_test -s abcd -f 1 Functional test - iters:1===== iteration 1 ===== vchiq_test: 615: vchiq_initialise(&instance) != VCHIQ_SUCCESS</pre> <p>I ran strace on the latter and got this:</p> <pre>open("/dev/vchiq", O_RDWR) = -1 ENOTCONN (Transport endpoint is not connected)</pre> <p>I think the problem here is that I upgraded to the 3.10.y kernel but didn't rev the RPi firmware. I need to rev the latter and try again, then try rev'ing the kernel to HEAD and see if that's working yet. Previously it was thought it wasn't working because of boot problems with usb drivers, but that may not really be the case.</p>			

Associated revisions

Revision db44d6ad - 25 Mar 2014 20:25 - Hammel

RM #300: Bump to "master" for the GLES libraries and tools.

Revision ad1d3ca3 - 25 Mar 2014 20:27 - Hammel

RM #300: Bump to "master" for the firmware blobs.

History

#1 - 24 Mar 2014 20:16 - Hammel

- % Done changed from 0 to 10

Updated rpifw to master. Ran **tvservice -s** and got a slightly different result:

```
# ./tvservice -s
vchiq_lib: Incompatible VCHIQ library - driver version 6 (min 3), library version 2 (min 2)
[E] Failed to initialize VCHI (ret=-1)
```

Not sure what this means but a google search seems to say its not a problem. But tvservice still doesn't work. So I'm upgrading the vchiq libraries (gles target) and trying again.

#2 - 25 Mar 2014 20:24 - Hammel

- *Status changed from New to In Progress*

- *% Done changed from 10 to 80*

That did the trick. When I run **tvservice -s** now I get the correct output.

```
# /opt/vc/bin/tvservice -s
state 0x120016 [DVI DMT (83) RGB full 16:9], 1600x900 @ 60Hz, progressive
```

Now I can go back to RM#240 and see if this displays useful info when the HDMI is not plugged in.

Still need to check in the updates. Then I'll close this issue.

#3 - 25 Mar 2014 20:29 - Hammel

Updates pushed upstream.

I want to do one more clean build of the whole system (sans toolchain) to make sure this is actually fixed correctly. I know bumping to master for the gles and rpi firmware is the fix, I just want to make sure it's been done correctly in the build.

#4 - 26 Mar 2014 19:59 - Hammel

- *Status changed from In Progress to Closed*

- *% Done changed from 80 to 100*

Verified - a new build comes up just as expected and tvservice works.

Closing issue.