

Enable the Raspberry Pi CODECS

If you have purchased the CODEC licenses from the Raspberry Pi store (<http://www.raspberrypi.com/>) To enable the CODECs on your device by add the following lines to the *config.txt* file in the FAT partition (*/boot*) of your SD card. Perform the following starting at the "username@raspberrypi" prompt.

- **sudo nano /boot/config.txt**

Add the following lines to the end of the *config.txt* file

- **decode_MPG2=0x12345678**
- **decode_WVC1=0x12345678**

To verify that the CODECs are now enabled, performing the following commands from the will report their respective status. Perform the following starting at the "username@raspberrypi" prompt.

- **vcgencmd codec_enabled MPG2**
- **vcgencmd codec_enabled WVC1**

Query the Raspberry Pi CODEC Status

The Raspberry Pi CODEC status can be reported during system startup by creating the following script and including it in the initialization script sequence. Perform this from the shell prompt.

- **sudo nano /etc/init.d/codec-status**

Add the following to the */etc/init.d/codec-status* file:

```
1. #! /bin/sh
2. ### BEGIN INIT INFO
3. # Provides:           Multimedia CODECs
4. # Required-Start:    $local_fs
5. # Required-Stop:    $local_fs
6. # Default-Start:    2 3 4 5
7. # Default-Stop:     0 1 6
8. # Short-Description: Status of Multimedia CODECs
9. ### END INIT INFO
10.
11. case "$1" in
12.   start)
13.     echo " "
```

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```
14.     echo "Raspberry Pi CODEC status: "  
15.     echo "  
16.     # Report status of MPEG2 CODEC  
17.     vcgencmd codec_enabled MPG2  
18.     # Report status of VC-1 CODEC  
19.     vcgencmd codec_enabled WVC1  
20.     echo "  
21.     ;;  
22. esac  
23. exit 0
```

Change the file *owner* to *root* (which is standard ownership for *init* files).

- **sudo chown root:root /etc/init.d/codec-status**

Change the file *modifier* (attributes) to allow execution.

- **sudo chmod 755 /etc/init.d/codec-status**

Add the script, *"/etc/init.d/tightvncserver"*, to the default runlevels.

- **sudo update-rc.d codec-status defaults**

update-rc.d responds with → *update-rc.d: using dependency based boot sequencing*

The Raspberry Pi CODEC status will now be automatically reported after a reboot.