

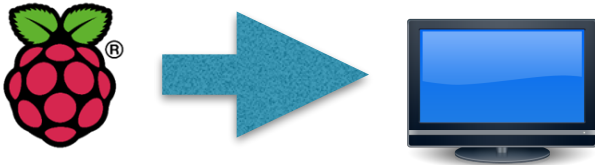
# Rasplex - Audio Settings

This document outlines the various settings for audio options in Rasplex dependent upon your equipment and the possible options for connections.

Audio settings for Rasplex can be found at Preferences -> System -> Audio output.

## 1. RPi connected via HDMI directly to TV

If your equipment is set up as follows:



SSH into the RPi and enter the following:

```
tvservice -a
```

If you see the following:

```
PCM supported: Max channels: 2, Max samplerate: 48kHz, Max samplesize 24 bits.
```

Your TV only supports 2.0 channel sound and you should configure your audio settings as follows:

Audio output device	HDMI
Number of channels	2.0
Support 8 channel DTS-HD audio decoding	Checked
Enable passthrough	Unchecked
Dolby Digital (AC3) capable receiver	Selection unavailable
Dolby Digital Plus (E-AC3) capable receiver	Selection unavailable
DTS capable receiver	Selection unavailable

If you see the following:

```
PCM supported: Max channels: 2, Max samplerate: 48kHz, Max samplesize 24 bits.  
AC3 supported: Max channels: 6, Max samplerate: 48kHz, Max rate 640 kb/s.
```

Your TV supports 2.0 PCM channel sound and 5.1 Dolby Digital (AC3) channel sound and you should configure your audio settings as follows:

Audio output device	HDMI
Number of channels	2.0
Support 8 channel DTS-HD audio decoding	Unchecked
Enable passthrough	Checked

Dolby Digital (AC3) capable receiver	Checked
Dolby Digital Plus (E-AC3) capable receiver	Unchecked
DTS capable receiver	Unchecked
Audio output channels	2.0

## 2a. RPi connected via HDMI to TV, TV connected to Amplifier via TV optical/coax output

If your equipment is set up as follows:



or

## 2b RPi connected via HDMI to Amplifier, Amplifier connected via HDMI to TV

If your equipment is set up as follows:



If you see the following:

```

PCM supported: Max channels: 2, Max samplerate: 48kHz, Max samplesize 24 bits.
AC3 supported: Max channels: 6, Max samplerate: 48kHz, Max rate 640 kb/s.
  
```

Your Amplifier supports 2.0 PCM channel sound and 5.1 Dolby Digital (AC3) channel sound and you should configure your audio settings as follows:

Audio output device	HDMI
Number of channels	2.0
Support 8 channel DTS-HD audio decoding	Unchecked
Enable passthrough	Checked
Dolby Digital (AC3) capable receiver	Checked
Dolby Digital Plus (E-AC3) capable receiver	Unchecked
DTS capable receiver	Unchecked

If you see the following:

```

PCM supported: Max channels: 8, Max samplerate: 48kHz, Max samplesize 24 bits.
AC3 supported: Max channels: 6, Max samplerate: 48kHz, Max rate 640 kb/s.
  
```

Your Amplifier supports 7.1 PCM channel sound and 5.1 Dolby Digital (AC3) channel sound and you should configure your audio settings as follows:

Audio output device	HDMI
Number of channels	5.1 (or 7.1 if you have sufficient speakers)
Support 8 channel DTS-HD audio decoding	Unchecked
Enable passthrough	Checked
Dolby Digital (AC3) capable receiver	Checked
Dolby Digital Plus (E-AC3) capable receiver	Unchecked
DTS capable receiver	Unchecked

If you see the following:

```
PCM supported: Max channels: 8, Max samplerate: 48kHz, Max samplesize 24 bits.  
AC3 supported: Max channels: 6, Max samplerate: 48kHz, Max rate 640 kb/s.  
DTS supported: Max channels: 6, Max samplerate: 96kHz, Max rate 1536 kb/s.
```

Your Amplifier supports 7.1 PCM channel sound, 5.1 Dolby Digital (AC3) channel sound and 5.1 DTS channel sound and you should configure your audio settings as follows:

Audio output device	HDMI
Number of channels	5.1 (or 7.1 if you have sufficient speakers)
Support 8 channel DTS-HD audio decoding	Unchecked
Enable passthrough	Checked
Dolby Digital (AC3) capable receiver	Checked
Dolby Digital Plus (E-AC3) capable receiver	Unchecked
DTS capable receiver	Checked

If you see the following:

```
PCM supported: Max channels: 8, Max samplerate: 48kHz, Max samplesize 24 bits.  
AC3 supported: Max channels: 6, Max samplerate: 48kHz, Max rate 640 kb/s.  
E-AC3 supported: Max channels: 6, Max samplerate: 48kHz, Max rate 640 kb/s.  
DTS supported: Max channels: 6, Max samplerate: 96kHz, Max rate 1536 kb/s.
```

Your Amplifier supports 7.1 PCM channel sound, 5.1 Dolby Digital (AC3) channel sound, 5.1 Dolby Digital Plus (E-AC3) 5.1 channel sound and 5.1 DTS channel sound and you should configure your audio settings as follows:

Audio output device	HDMI
Number of channels	5.1 (or 7.1 if you have sufficient speakers)
Support 8 channel DTS-HD audio decoding	Unchecked
Enable passthrough	Checked

Dolby Digital (AC3) capable receiver	Checked
Dolby Digital Plus (E-AC3) capable receiver	Checked
DTS capable receiver	Checked

If you see the following:

```
PCM supported: Max channels: 8, Max samplerate: 192kHz, Max samplesize 24 bits.
AC3 supported: Max channels: 6, Max samplerate: 48kHz, Max rate 680 kb/s.
DTS supported: Max channels: 6, Max samplerate: 96kHz, Max rate 1536 kb/s.
DTS_HD supported: Max channels: 8, Max samplerate: 192kHz, Max rate 8 kb/s.
```

Your Amplifier supports 7.1 PCM channel sound, 5.1 Dolby Digital (AC3) channel sound, 5.1 Dolby Digital Plus (E-AC3) 5.1 channel sound, 5.1 DTS channel sound and DTS-HD channel sound and you should configure your audio settings as follows:

Audio output device	HDMI
Number of channels	5.1 (or 7.1 if you have sufficient speakers)
Support 8 channel DTS-HD audio decoding	Checked
Enable passthrough	Unchecked
Dolby Digital (AC3) capable receiver	Selection unavailable
Dolby Digital Plus (E-AC3) capable receiver	Selection unavailable
DTS capable receiver	Selection unavailable

***Please note that the ‘Audio output channels’ relate to PCM sound only, as can be seen in the examples above, only set the numbers of channels according to how many channels your equipment supports, if you set it to a greater number you will experience missing audio channels.***

***If using ‘Support 8 channel DTS-HD audio decoding’ then some receivers will only show LPCM on the display, don’t worry, there is no degradation in audio quality.***

### 3. Transcoding DTS to AC3

The feature is new in Rasplex 1.6.0, to enable this feature configure your audio settings as follows

Audio output device	HDMI
Number of channels	2.0
Support 8 channel DTS-HD audio decoding	Unchecked
Enable passthrough	Checked
Dolby Digital (AC3) capable receiver	Checked
Enable Dolby Digital (AC3) transcoding	Checked
Dolby Digital Plus (E-AC3) capable receiver	Unchecked
DTS capable receiver	Unchecked

