

DATASHEET DAC+ PRO

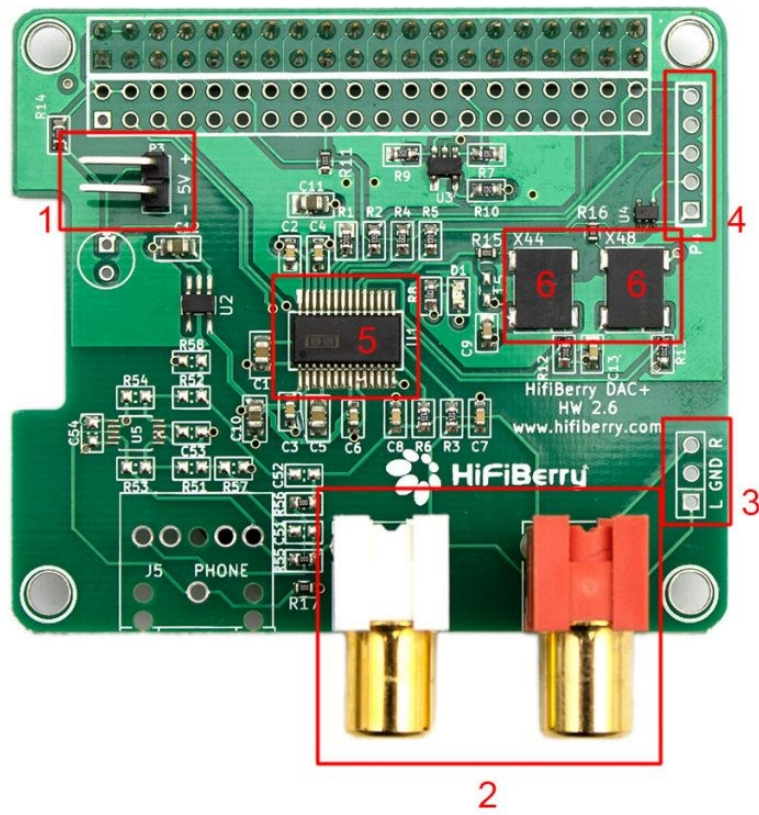
OVERVIEW

The HiFiBerry DAC+ Pro is a high-resolution digital-to-analog for the Raspberry Pi (newer models with 40 pin GPIO connector). This is a special sound card for the Raspberry Pi, optimised for one specific use case: the best audio playback

FACTS

- › Stereo output
- › Dedicated 192kHz/24bit high-quality Burr-Brown DAC (5)
- › Hardware volume control. You can control the output volume using "alsamixer" or any application that supports ALSA mixer controls.
- › Connects directly to the Raspberry Pi, no additional cables needed
- › No soldering, comes as a pre-fabricated kit. You just plug it onto the Raspberry Pi, it is conform to the Raspberry Pi hardware-attached-on-top (HAT) specification.
- › Compatible with all Raspberry Pi models with a 40-pin GPIO connector
- › Directly powered from the Raspberry Pi, no additional power supply
- › Ultra-low-noise linear voltage regulator for optimal audio performance
- › Low-jitter dual-domain clock for optimised clock decoupling from the Raspberry Pi (6)
- › HAT compliant, EEPROM for automatic configuration
- › Gold plated RCA output connectors
- › Comes with all components required to mount it. We include 4 M2.5x12mm spacers to fix the board onto the Raspberry Pi

HARDWARE



Note that the actual board might look a bit different. Layout and components might change without further notice. We do not guarantee a specific PCB layout or specific components.

CONNECTORS

1	5V (connected in parallel to Raspberry Pi 5V)
2	Analog output
3	Analog output (in parallel to RCA jacks)
4	I2S data

I2S CONNECTOR

(pin 1 is the bottom pin on the picture above)

1	GND
2	MCLK
3	BCLK
4	LRCLK

5 DATA

SPECIFICATIONS

Maximum output voltage	2.1Vrms	
DAC signal-to-noise ratio	112db	typical
DAC THD+N	-93db	typical
Frequency response	10Hz-90kHz	(-3dB)
Input gain	-12db to 32dB	
Power consumption	<0.3W	
Sample rates	44.1-192kHz	

CONFIGURATION

Overlay for config.txt:

```
dtoverlay=hifiberry-dacplus
```

MEDIA

