

## Hi-Fi-Pi N2

### **Description**

The world's first automatic DAC for Raspberry Pi microcomputer with built-in DSP and unique controller allows to playback true Hi-Res premium quality audio without resampling. No additional drivers and OS rebuild needed. Hi-Fi-Pi N2 DAC2.1 is connected to 40-pin GPIO connector of Raspberry Pi1 Model B+, Raspberry Pi2, Raspberry Pi3 or Raspberry Pi4 without soldering and does not require auxiliary power supply.

### **Features**

Module is completely assembled, programmed and ready to be used with any 40-pin Raspberry Pi microcomputer

Volumio / OSMC / Max2Play / RuneAudio / Moode / PiCorePlayer / PiMusicBox / OpenELEC / Roon Ready compliant

Slave mode

No additional drivers and "config" file changes needed

Based on two PCM5242 ICs with the latest generation DAC architecture and DSP

PCM data format: I2S

4 audio channels

Differential DirectPath™ ground biased outputs

4.2V RMS ground-centered differential outputs

Signal-to-noise ratio: 114 dB

Dynamic range: 114 dB

THD+N at -1 dB: -94 dB

Sampling frequencies: 44.1 kHz, 48 kHz, 88,2 kHz, 96 kHz, 176.4 kHz, 192 kHz

Resolution: 16, 24 or 32 bits for each sampling frequency

Automatic resolution / frequency selection in accordance to resolution / frequency of input audio stream

Possibility of downloading user projects created by means of PurePath Studio and ChipStudio

Power supply voltage: 5 V

### **Programmed adjustments**

Volume: 0 ... -82 dB

Balance:  $\pm 22$  dB

Bass (100 Hz):  $\pm 5$  dB

Treble (4 kHz): 0 ... -10 dB

Subwoofer channels cutoff frequency: 50 Hz

SuperBass mode: 40 Hz cutoff frequency, +10 dB

Mute: -82 dB, all channels

Mute state indication: LED blinks at frequency 8 Hz

SuperBass mode indication: LED is on

## Connection and regulation

