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pHAT BEAT

The ultimate audio add-on for your Pi! pHAT BEAT gives you high-quality, digital, amplified, stereo audio and 16 beautiful little RGB LEDs, in two rows of 8, that are ideal as a VU meter, and 6 buttons to control your audio. [Read more...](#)

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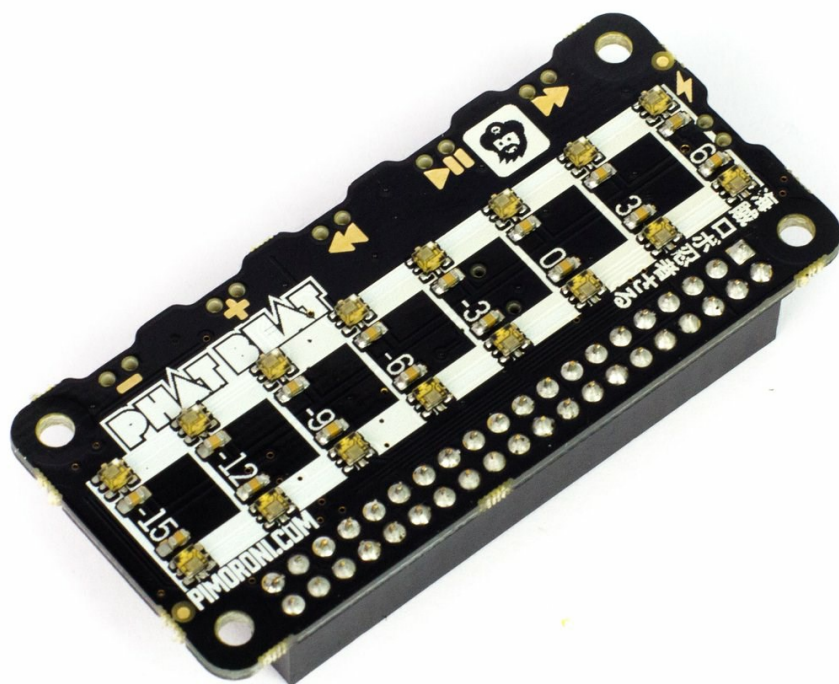
pHAT BEAT

Essential extras

- pHAT Diffuser
- 3" Speaker 4Ω (5W)

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pHAT BEAT

The ultimate audio add-on for your Pi! pHAT BEAT gives you high-quality, digital, amplified, stereo audio and 16 beautiful little RGB LEDs, in two rows of 8, that are ideal as a VU meter, and 6 buttons to control your audio.

We've taken the I2S mono DAC and amplifier that we used on [Speaker pHAT](#) and [Picade HAT](#) and... added a second one for stereo goodness. There's a nifty little DIP switch on the bottom of the board that lets you select either mono (left and right are blended through both channels) or stereo playback. The clip-in terminals make it super-simple to wire in your speakers.

The two rows of 8 APA102 RGB LEDs make the perfect VU meter, but can be coded to do whatever you wish, like displaying the steps on a step sequencer [Drum HAT](#) or [Piano HAT](#) or just pulsing in time with the beat. Downloaded from [Arrow.com](#)

The six buttons on the edges of pHAT BEAT are linked direct to GPIO, and can be used for whatever you wish, although we've suggested some uses on the board, like rewind, play/pause, fast-forward, volume up and down, and power.

Use pHAT BEAT to create a gorgeous little radio for your desk, to stream music from iPhone with Airplay, or turn it into a collaborative Slack-controlled Spotify player for your office!

Features

- dual I2S DAC/amplifiers for stereo audio (MAX98357A)
- 3W per channel
- 2x push fit speaker terminals
- DIP switch to select blended mono or stereo modes
- 16 RGB LED pixels (APA102) in 2 rows of 8
- 6 edge-mounted push buttons
- [pHAT BEAT pinout](#)
- Compatible with Raspberry Pi 3B+, 3, 2, B+, A+, Zero, Zero W
- Software installer and ALSA VU meter plugin
- [Python library](#)
- Female header requires soldering

Software

We've created a nifty one-line installer to get your pHAT BEAT set up in the blink of an eye. It'll reconfigure your ALSA audio to route it out through pHAT BEAT and install our VU meter plugin to display the volume levels in real time (although you can disable this and code the LEDs yourself).

Our software does not support Raspbian Wheezy.

Notes

The dimensions of pHAT BEAT are 65x30x7.5mm.

Reviews



6 Reviews

WRITE A REVIEW

Anonymous ★★★★★

38 days ago

Matthew Sage ★★★★★

Bought this to "upcycle" and old radio found at my Nans. This + raspberry pi zero W helped create a cheap Airplay speaker with a retro look

4 months ago

Jon Schwar... ★★★★★

Everything went well, most important step is the soldering and would recommend flux to anybody just to let the flow easier, both boards seem resistant to my iron even cranked up with full heat. The software setup w/VLC is good on the one script ran it took care of everything for me. Maybe for an advanced linux person this would take 30 minutes to complete but allow yourself 2-3 hours realistically

8 months ago

Mike T. ★★★★★

Something I discovered after getting this board is that you you can only drive speakers directly because of the way the MAX98357A works. You can't use the output to drive another amplifier, so my plan to use it as a DAC with my existing hi-fi needs a rethink. I may cut the I2S traces and just use a different DAC and so I can still use the LED VU meter.

★ REVIEWS

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