

AMAZING REVIEWS  
Thousands of 5-star reviews

FREE UK SHIPPING  
for orders over – from worldwide

PIMORONI PROMISE  
30-day money-back guarantee

SAME DAY SHIPPING  
Just place your order before 2PM



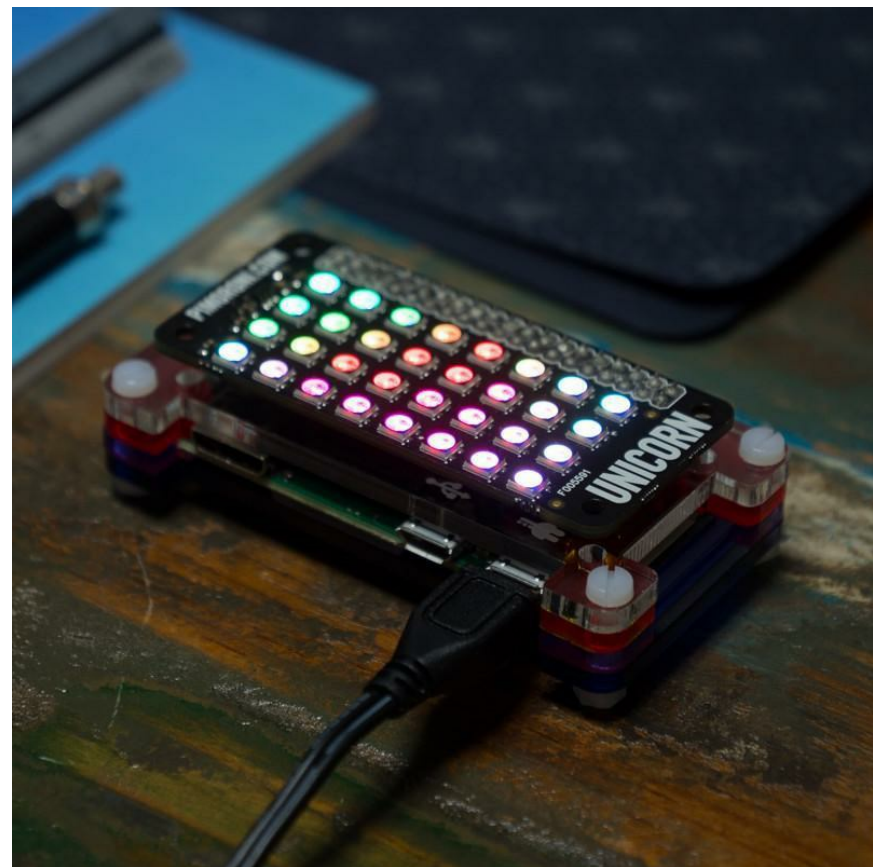
Tech Treasure for Makers

Search for a product...

Your cart is empty

[VIEW YOUR CART](#)

- RASPBERRY PI
- MICRO:BIT
- ARDUINO & CO.
- KITS
- BREAKOUTS
- PROTO
- TOOLS
- KIDS
- MORE...
- NEW!



# Unicorn pHAT

What's going to protect your beloved Raspberry Pi from an onslaught of rainbow-coloured fusion? That's right, it's Unicorn pHAT. [Read more...](#)

PIM168 In stock ★★★★★ 20 reviews

Select model all prices include VAT @ 20%

- Unicorn pHAT
- Unicorn HAT
- Unicorn HAT HD

[ADD TO CART](#)

[Log in](#) to add this product to your wishlist.



# Unicorn pHAT

What's going to protect your beloved Raspberry Pi from an onslaught of rainbow-coloured fusion? That's right, it's Unicorn pHAT.

Sporting a matrix of 32 (8 x 4) RGB LEDs and powered directly from the Pi, this is the most compact pocket aurora available.

Unicorn pHAT provides a wash of controllable colour that is ideal for mood-lighting, pixel art, persistence of vision effects, status indications, or just blasting colour into your surroundings.

## Features

- 32 RGB LEDs (SK6218 - 3.5mm x 3.5mm)
- LED data driven via DMA over PWM
- [Unicorn pHAT pinout](#)

- [Python library](#)
- **Female header requires soldering**

## Software

Unicorn pHAT uses the same [Python library](#) as Unicorn HAT, so it's super-easy to use, should automatically detect that you're using the pHAT and includes some examples written specially for Unicorn pHAT.

**Our software does not support Raspbian Wheezy.**

## Notes

- **Warning:** SK6218 LEDs are bright enough to cause eye pain, do not look at them directly when brightly lit. We recommend using Unicorn pHAT at lower brightness levels.
- **Photo-sensitivity warning:** flashing, strobing, and patterns of lights may cause epileptic seizures. Always take care and immediately stop using if you feel unwell (dizziness, nausea, affected vision, eye twitching, disorientation).
- **Power:** Unicorn pHAT works best with a >2A microUSB power supply for your Pi. We recommend [the official Raspberry Pi power supply](#).
- **Compatibility (audio):** as Unicorn pHAT uses PWM and GPIO18, it will interfere with analogue audio playback (random colour patterns and flickering). HDMI should work just fine! :D

## Reviews



20 Reviews

[WRITE A REVIEW](#)

**Jack Burton** ★★★★★

great phat using tit to make childs's silent alarm clock

56 days ago

**Amos Banni...** ★★★★★

It's got pretty coloured lights that you can easily control with some Python scripts. What's not to love? I am working on some scripts to display some status updates from various other devices on my network using the Unicorn pHAT on a Pi Zero. Very easy to use and the display looks great, especially when coupled with a pHAT diffuser. With the 8x4 matrix, I can display a graph of 8 different statuses, each in varying colours depending on their values. It looks very cool and gives me a quick at-a-glance update on my servers. Awesome stuff!

3 months ago

**George Wood** ★★★★★

Wow, this little board packs a punch. The 32 RGB LEDs are some of the brightest I've come across and they truly can create any colour on the rainbow. I would definitely recommend this li'l guy.

6 months ago

**Bruno Rebo...** ★★★★★

Please were a sunglasses even indoors if you forget to change the default

★ REVIEWS

## PIMORONI

[About Us](#)

[Customer Forums](#)

[Contact Us](#)

[Our Products](#)

## LINKS

[Shipping Information](#)

[Customer Reviews](#)

[Win a Pimoroni Gift Card!](#)

[Distributor Map](#)

## SOCIAL

[Twitter](#)

[YouTube](#)

[Facebook](#)

[Instagram](#)

## INFORMATION

[Common Questions](#)

[Refund Policy](#)

[Privacy Policy](#)

[Terms & Conditions](#)

PIMORONI LTD. 2 Manton Street, Sheffield, S2 4BA, United Kingdom Registered in England and Wales Company N°: 07510759 VAT Reg N°: GB 140 8707 21

4.9 ★★★★★  
Google  
Customer Reviews