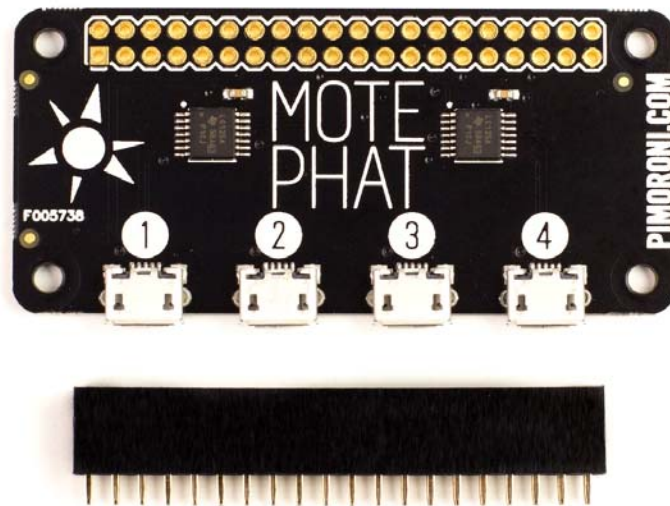# Mote pHAT

PIM216

Mote pHAT lets you run our beautiful Mote lights straight from your Pi or Pi Zero, for a super-compact setup. Connect up to 4 Mote light strips, with our Mote cables, to the 4 channels provided and away you go! That's up to 64 pixels.

The female header comes un-soldered, so you can combine Mote pHAT with our other pHATs to display sensor readings or control Mote with buttons or switches.

The MagPi said that *"Mote pHAT offers a compact, discreet way of controlling them without the need to connect to the USB port of a laptop or Pi"* and that it was *"great value"* in their four star review.

Features

- Four Mote channels (using microUSB connectors)

- Up to 64 RGB LEDs with 4 of our 16 pixel Mote strips

- 2x LC125A quadruple bus buffer gates

- Compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W

- Python library https://github.com/pimoroni/mote-phat

- **Female header requires soldering**

Software

We've put together a Python library to make using Mote pHAT really simple, and ported many of the examples from our standalone Mote library especially for Mote pHAT.
https://github.com/pimoroni/mote-phat