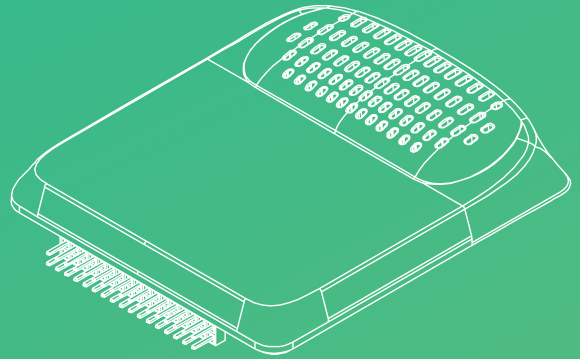


# pi-topPULSE

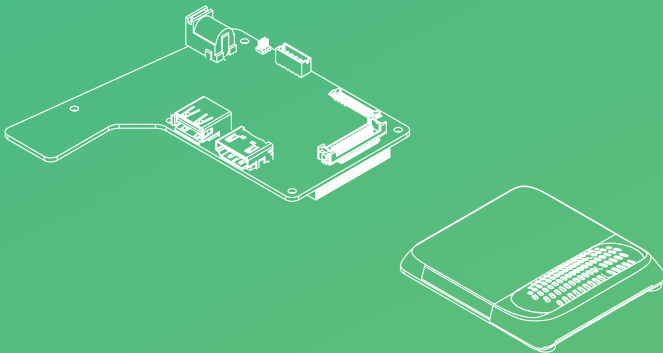
## Getting Started



### Hardware Set Up

#### In pi-top Modular Rail

- 1 Plug **pi-topPULSE** into the HUB. Ensure all pins are correctly aligned to avoid damage or malfunction. You may need to reboot your **pi-top**.



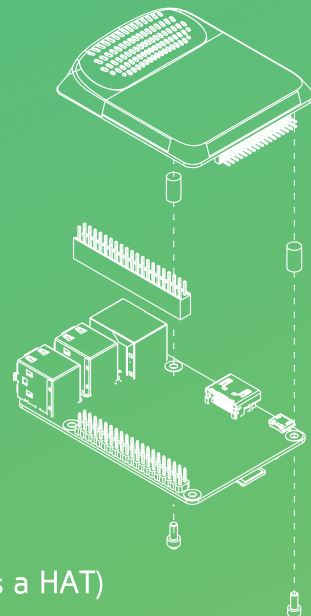
### Software Integration

To finish setting up **pi-topPULSE** (for **pi-top** Mag Rail or as a HAT) please go to:

<https://github.com/pi-top/pi-topPULSE>

#### With Raspberry Pi 3 (as a HAT)

- 1 Connect the header into **pi-topPULSE**.
- 2 Connect the Mag Spacers to the bottom mounting holes of Raspberry Pi as shown below.
- 3 Place **pi-topPULSE** onto Raspberry Pi headers, ensure all pins are correctly aligned.



# pi-topPULSE

## Technical Specifications

RGB LEDs

7x7 grid, illuminated speaker, underside ambient

Speaker

2W with I2S amplifier

Microphone

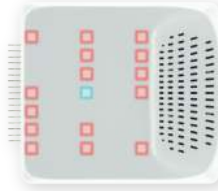
200Hz to 11KHz response, Automatic Gain Control (AGC)

## Features

- Programmable using Python
  - Amazon's cloud-based voice service compatible
- Raspberry Pi 3 HAT compatible

# Lesson Plans to explore in pi-topCODER

## FLAPPY ASTRONAUT



## SNAKE



## TETRIS



## PULSE LIGHT SHOW



## MORE LESSON PLANS IN pi-topCODER

pi-topPULSE with Amazon Alexa



## pi-topCEED

The modular all-in-one Raspberry Pi powered desktop with pi-topOS



## pi-top

The build-it-yourself Raspberry Pi powered laptop with pi-topOS



Adjustable Viewing Angles



14" HD Screen



Modular Components



10+ Hour Battery Life



13.3" HD Screen



Modular Components

Don't have pi-topOS?  
Free download at:

[www.pi-top.com/download](http://www.pi-top.com/download)

Access project based worksheets in pi-topCODER to use your pi-topPULSE to its fullest.

### We're here to help

Have a question?

Chat with experts online by emailing us at:

[support@pi-top.com](mailto:support@pi-top.com)