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# STS-Pi - Build a Roving Robot!

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- STS-Pi - Build a Roving Robot!

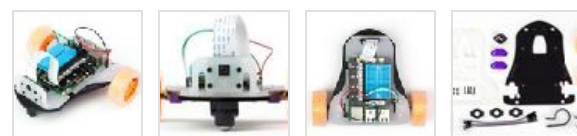
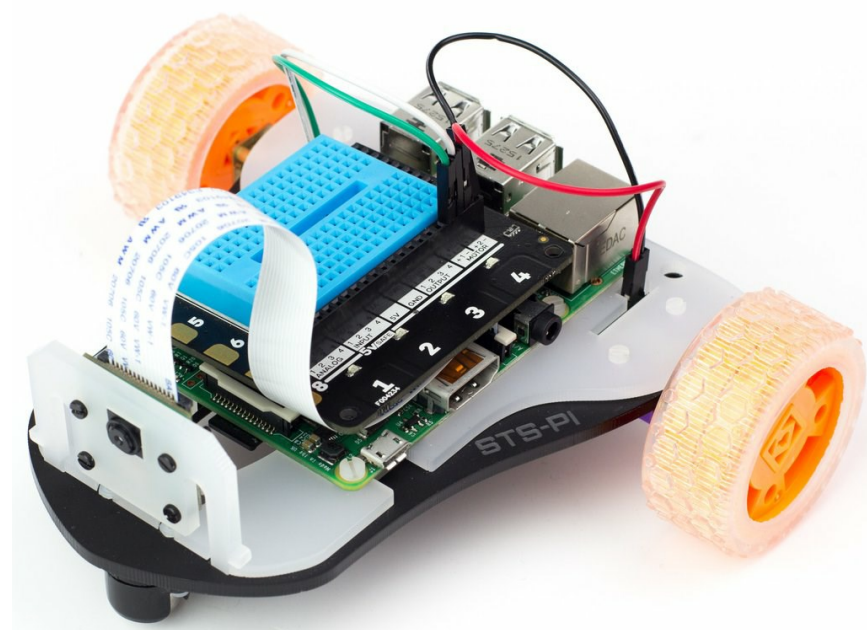
### Essential extras

- Raspberry Pi 3 B+
- Standard – Raspberry Pi Camera v2.1

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# STS-Pi - Build a Roving Robot!

5.... 4.... 3.... 2.... 1.... Turn your Raspberry Pi into a spaceship!

This robot chassis is designed to be used with our [Explorer HAT](#), [Explorer HAT Pro](#), or [Explorer pHAT](#) boards though it will work with other motor drivers!

The kit is a great way to introduce yourself to robots and controlling motors with your Raspberry Pi. It even includes a camera mount so your little robot can take pictures while it's roaming around!

There is no soldering required and the whole kit can be put together with a small flat-head screwdriver.

## Kit includes

- Laser cut chassis
- Downloaded from [Arrow.com](#)

- Raspberry Pi camera mount
- 2 x super-grippy moon-buggy wheels
- 2 x push header motors (298:1 ratio)
- 0.5" front castor wheel
- Jumper leads
- 2 x motor mounting brackets
- 2 x battery clips (battery optional and not included)
- Nuts, bolts, and other fixings

Build up your robot and program it in Python, Scratch, or whatever language you prefer! Add a USB battery pack (not included) and a WiFi dongle and you can make it roam free!

**Does not include** the Raspberry Pi, Raspberry Pi Camera, or Explorer HAT (Pro or pHAT).

Connor Plant has produced a video tutorial to help you build your STS-Pi, below.



## Reviews

★★★★★  
13 Reviews

WRITE A REVIEW

**Lefebvre Pa...** ★★★★★  
easy to build easy to program easy to play with!!  
19 days ago

**Tina Rin** ★★★★★  
Seems to work. Bought it for someone else and I just put it together and formatted an micro sd card for it and tested the camera etc.  
21 days ago

**Caesar\_1111** ★★★★★  
Very easy to assemble and following the Youtube tutorial, within 30 minutes, I got it up and running. Since I had a spare no IR filter camera with attached spots and a different size power bank, I designed some easy to print add-ons for the STS-Pi. <https://www.thingiverse.com/thing:3093797> have fun with your projects  
24 days ago

N K ★★★★★

Package arrived intact as ordered with all the components. I was able to put it together with ease with the help of the YouTube Video.

51 days ago

★ REVIEWS

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4.9 ★★★★★  
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