



# **Sphero RVR + littleBits Topper Kit**

## **QUICK START GUIDE**

# Getting Started

The Sphero RVR littleBits Topper Kit is the easiest way to expand on the RVR hardware. Program RVR with the Sphero Edu app, or control it through the Microsoft MakeCode and a micro:bit to bring your inventions to life. You can even create your own littleBits inventions without RVR.

## You will need:

The RVR littleBits Topper Kit

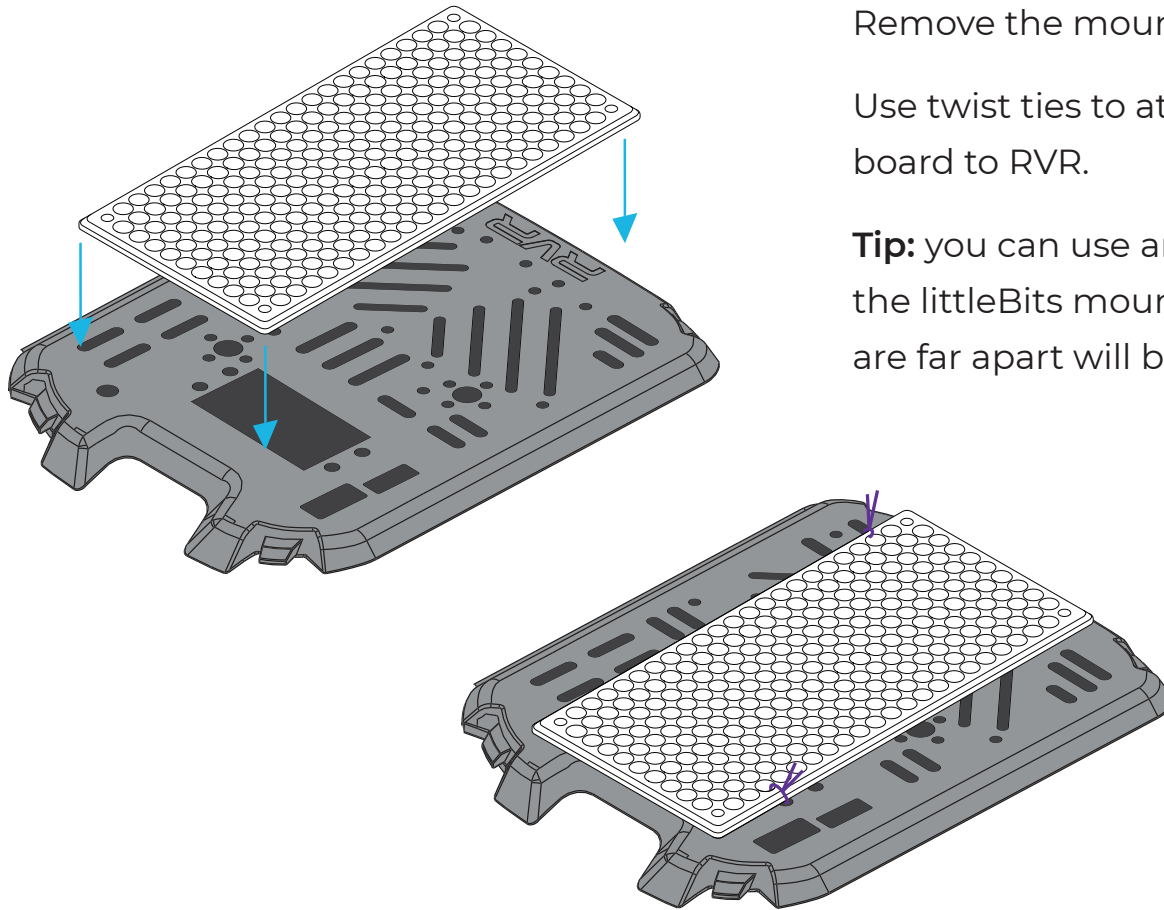
The Sphero RVR\*

The micro:bit\*

*\*Items sold separately*

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## Attach the littleBits mounting board to the RVR mounting plate



Remove the mounting plate from RVR.

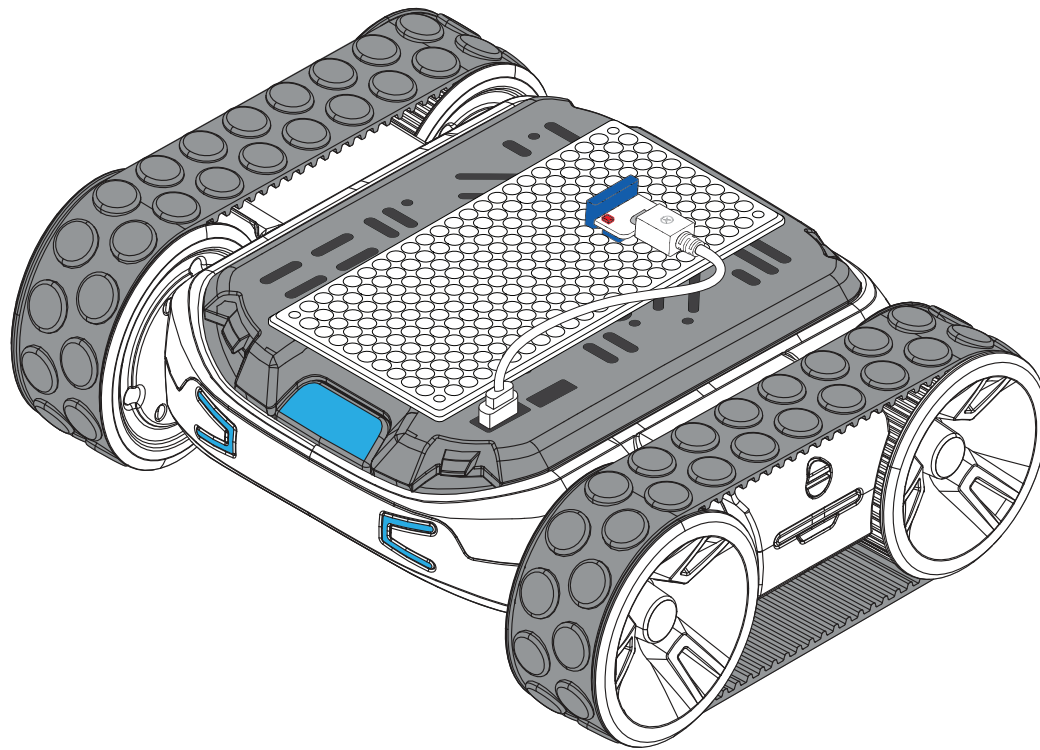
Use twist ties to attach the littleBits mounting board to RVR.

**Tip:** you can use any holes on the RVR plate and the littleBits mounting board. Connections that are far apart will be stronger.

2a

## Power

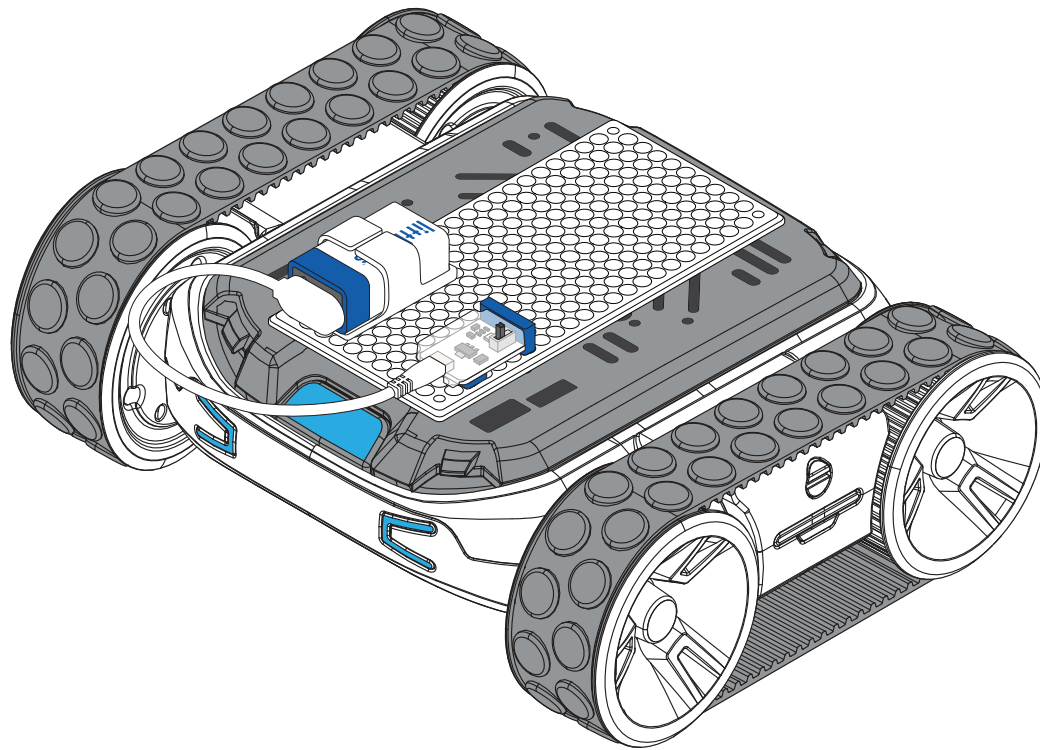
Connect the USB cable to p3 power bit and RVR



**2b**

## Power

Use the 9V battery and p7 bit to power your circuit





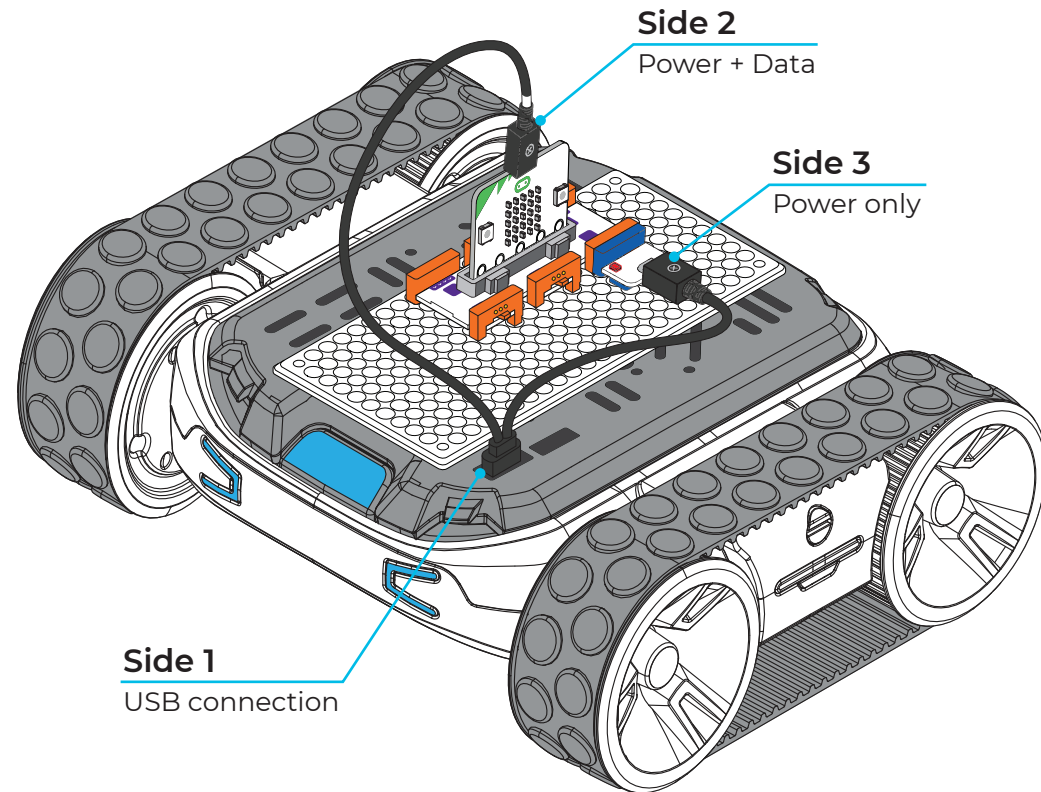
## Power

Use the micro:bit adapter and p3 + USB input from micro:bit

If using the micro:bit with the adapter, use the 12 inch USB split cable.

The USB split cable has 3 sides:

- **Side 1** goes to RVR USB port.
- **Side 2** with the white label carries both power and data, and goes to the micro:bit.
- **Side 3** without the label is power only, and goes to the littleBits p3 power bit.



For more information on the micro:bit go to [classroom.littlebits.com/kits/microbit](https://classroom.littlebits.com/kits/microbit)

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## Apps & Activities

### Download the Sphero EDU App



macOS/iOS



אנדרואיד



kindle



chrome



Windows

### Activities

**Sphero** <https://edu.sphero.com>

**littleBits Classroom** <https://classroom.littlebits.com>

**micro:bit Activities** <https://classroom.littlebits.com/kits/microbit>

**Program with micro:bit** <https://makecode.microbit.org>

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## Challenge yourself with the Sphero Global Challenge



The Sphero Global Challenge is the ultimate STEM competition and an opportunity for kids to go deeper with computational thinking, engineering, and programming skills.

Learn more at [sphero.com/pages/global-challenge](https://sphero.com/pages/global-challenge)



# What's in the Box?



p3 power



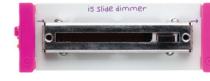
p7 power



button



remote trigger



slide dimmer



proximity sensor (2)



buzzer



number



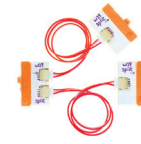
wire



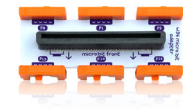
latch



servo



split



micro:bit adapter



9V battery



USB cable



mechanical arm



servo mount



hook & loop shoes



battery clip



mounting board



USB split cable



twist ties

**Questions & Troubleshooting**  
support@sphero.com

