



# sphero RVR+ Programmable Robot Multi Pack Instruction Manual

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## sphero RVR+ Programmable Robot Multi Pack



## Product Information

The RVR+ Multi-Pack is a set that includes 6 RVR+ robots and accessories, designed to engage up to 18 students. It can be supplemented with additional individual RVR+ robots to accommodate more students. The

product offers endless possibilities for classroom activities and teaching coding and computer science. The free Sphero Edu app, compatible with macOS and iOS, contains hundreds of lessons specifically designed for the RVR+. Advanced programmers can also utilize the Public Sphero SDK and connect third-party hardware capabilities with Python.

RVR+ introduces a new form-factor, color sensing technology, infrared communication, and the ability to expand with 3rd party hardware. It features a 4-pin UART and an onboard power source, allowing students to connect and run third-party hardware such as a Raspberry Pi, BBC micro:bit, or Sphero's own littleBits. The RVR+ Educator Guide provides tips for a successful rollout of RVR+ in the classroom, as well as various activities to enhance learning. The RVR+ Multi-Pack brings Sphero's revolutionary take on the programmable robot to the entire class with 6 RVR+ robots and RVR+ Educator Guide. They're drivable right out of the box, packed with a diverse suite of sensors, and built for customization. RVR+ is expandable and made for novice to advanced programmers in 6th–12th grades.

## Product Usage Instructions

1. Ensure you have the RVR+ Multi-Pack set which includes 6 RVR+ robots and accessories.
2. Download and install the Sphero Edu app from the App Store or macOS.
3. Follow the app instructions to connect your RVR+ robot to your device via Bluetooth.
4. Explore the hundreds of lessons available in the Sphero Edu app to teach coding and computer science using the RVR+.
5. If you are an advanced programmer, consider utilizing the Public Sphero SDK and connecting third-party hardware capabilities with Python.
6. To expand the capabilities of your RVR+, use the 4-pin UART and onboard power source to connect and run third-party hardware such as a Raspberry Pi, BBC micro:bit, or Sphero's littleBits.
7. Refer to the RVR+ Educator Guide for tips on successfully implementing RVR+ in your classroom and for additional activities.

## KEY FEATURES & BENEFITS

### • Engage the Entire Class

Engage up to 18 students with 6 RVR+ robots and accessories. Supplement the Multi-Pack with individual RVR+ robots to accommodate more students.



### • Endless Classroom Possibilities

The free Sphero Edu app contains hundreds of lessons to teach coding and computer science with RVR+, and advanced programmers can level up with the Public Sphero SDK and connect third-party hardware capabilities with Python.



- **Teach with Confidence**

The RVR+ Educator Guide contains tips for successful rollout of RVR+ in your classroom as well as activities.



- **Expandable Platform**

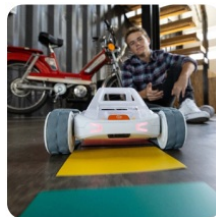
RVR+ features a 4-pin UART and an onboard power source, allowing students to connect and run third-party hardware like a Raspberry Pi, BBC micro:bit, or Sphero's very own littleBits.



## ACTIVITIES

- **Meet RVR**

Explore the new form-factor, color sensing technology, infrared communication, and the capabilities of expanding with 3rd party hardware.



- **Ball Launcher**

Using RVR+ & littleBits, create a mobile ball launcher with an input Bit that will be used to play a game.



- **A"MAZE"ing RVR Color Sensor**

Get the green light to explore colors and understand how RVR+ uses its color inside conditionals.



## TECH SPECS

- 6 RVR+ robots

- RVR+ Educator Guide
- 6 removable and rechargeable batteries
- 6 removable, protective roll cages
- 6 expansion mounting plates
- 6 USB-A to USB-C charging cables
- 6 expansion port cables
- 6 sets of color cards
- Compatible and programmable with the Sphero Edu app
- Compatible with Sphero Public SDK

## APP COMPATIBILITY



macOS/iOS



ANDROID



kindle



chrome



Windows

## Documents / Resources

	<p><a href="#">sphero RVR+ Programmable Robot Multi Pack</a> [pdf] Instruction Manual  RVR_MULTIPACK_EN_0, RVR, RVR Programmable Robot Multi Pack, Programmable Robot Multi Pack, Robot Multi Pack, Multi Pack</p>
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