⦿ sphero®

RVR+™

The Go-Anywhere, Do-Anything Robot.

RVR+ is Sphero's revolutionary take on the programmable robot and is optimized for the middle and high school classrooms and makerspaces. It's drivable right out of the box, packed with a diverse suite of sensors, and built for customization. RVR+ is a mobile platform for beginner to advanced hackers, makers, educators, and learners.

KEY FEATURES & BENEFITS

Tough and Tenacious
A powerful motor, all-terrain treads, and plenty of torque give you the freedom to drive RVR+ just about anywhere. RVR+ also features a precise, professional-level control system that won't be deterred by obstacles or uneven surfaces.

Packed with Sensors
Packed with on-board sensors including an improved color sensor allowing for more accuracy in programming RVR+ to see colors in its environment, a light sensor, infrared, accelerometer, and gyroscope.
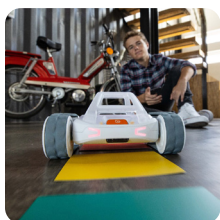
Fully Programmable
Program RVR+ with draw & drive, blocks, or JavaScript using the free Sphero Edu app. RVR+ can also be programmed using the Sphero Public SDK and API libraries for more advanced hackers and makers.

Build on It
RVR+s customizable expansion plate lets you connect with most 3rd party hardware including Raspberry Pi, micro:bit, and Sphero's 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

- RVR+ mobile robot
- Removable cover plate and expansion plate with quick-release button
- Removable, protective roll cage
- Removable and rechargeable battery
- Universal 4-Pin Expansion Port to connect third-party hardware
- 5V 2.1A USB-A onboard connectivity to power your projects
- Compatible and programmable with the Sphero Edu app
- Compatible with Sphero Public SDK

APP COMPATIBILITY

edu   macOS/iOS   ANDROID   kindle   chrome   Windows