sphero
RVR™

The Go-Anywhere, Do-Anything Robot.

If you can imagine it, RVR can do it. Our most capable and versatile robot ever, RVR's programmable tread chassis is an expandable platform that can be transformed into almost any kind of robot by students of all ages and programming backgrounds.

KEY FEATURES & BENEFITS

All-Terrain

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

RVR's on-board sensors include a color sensor, light sensor, IR, magnetometer, accelerometer, and gyroscope. Navigate RVR through a color maze or tap into IR to play with bot-to-bot communication.

Fully Programmable

Advanced programming capabilities using the Sphero Edu app and advanced blocks, JavaScript, or even our public SDK library.

Third Party Hardware

RVR's 4-pin UART expansion port is designed to work with most 3rd party hardware, including Raspberry Pi, Arduino, 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

- Removable cover plate and developer plate with quick-release button
- Removable, protective roll cage
- Removable and rechargeable battery
- Universal 4-Pin Expansion Port to connect to any 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