Sphero®

RVR™

THE GO-ANYWHERE-DO-ANYTHING
PROGRAMMABLE ROBOT

Out of the box, RVR is fun to drive, customize, and program with the Sphero EDU app. Built-in features like color recognition, light sensor, IR, and a universal expansion port open up a world of possibilities for creativity, learning, and fun.

Connect third party hardware, such as a Raspberry Pi, Arduino, or MicroBit and then power them up with the onboard 5V power source. Build the robot of your dreams and then take it anywhere. RVR is the ultimate canvas for your creativity.

Launch Date: October 2019

FEATURES & TECHNOLOGIES

Removable, rechargeable USB C battery allows you to recharge quickly and even add a backup battery for continued use.

All terrain for both indoor and outdoor use allows you to take your RVR into the great outdoors, climb obstacles, and experiment in a wide range of environments.

Advanced control system allows for extremely precise, vector-based driving. The robot even corrects for unexpected obstacles.

Expansion Port allows users to go beyond the onboard sensors and connect 3rd party hardware like Raspberry Pi, Arduino, and MicroBit.

Color sensors allow RVR to detect and mimic RGB values of the surface it drives over or write programming variables based on the color detected.

Infrared sensors allow bot to bot communication, swarm programming, robot follow and evade with other RVRs or even a Sphero BOLT.

Customizable LED lighting allows for vibrant visual feedback and customizations.

Ambient light sensors allow users to write programming variables based on LUX value detected. Users could start a program when lights in the room are turned on or off or they could program RVR to drive when a flashlight is held up to it.

APP COMPATIBILITY

edu   macOS   iOS   ANDROID   kindle   chrome   Windows

PRODUCT POSITIONING

Approachable & Easy to use.

Customizable & Expandable.

Experience for every stage of learning and expanding knowledge.

Fills a void in the market for functionality and price.

Start coding and building right out of the box.

Connect 3rd party hardware such as Raspberry Pi, Arduino, and Microbit.

THIRD PARTY PARTNERSHIPS

SparkFun Advanced Kit includes everything you need to get RVR moving autonomously, including a Raspberry Pi Zero W and camera.

SparkFun Basic Kit includes an expansion set of sensors to the Sphero RVR platform.

TECH SPECS

What's in the Box?

1 RVR
1 Roll cage
1 expansion mounting plate
1 USB-A to USB-C charging cable
1 expansion port cable

Packaging Details

Dimensions: 275 L x 213 W x 177 H mm
Weight: 6kg
Master pack qty: 6

UNIVERSAL EXPANSION PORT   LIVE SENSORS   2+ HOUR PLAYTIME   REMOVABLE BATTERY   BLUETOOTH CONNECTION   RGB LEDs