



# 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.



# The-Go-Anywhere-Do-Anything Programmable Robot\_

## 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.

## 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, Microbit, and littleBits.

## 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?

5 RVRs

5 Roll cages

5 expansion mounting plates

5 USB-A to USB-C charging cables

5 expansion port cables

### Packaging Details

Dimensions: 433 L x 178 W x 477 H mm

Weight: 10kg

Master pack qty: 1

## APP COMPATIBILITY



macOS



iOS



Android



Kindle



Chrome



Windows



UNIVERSAL  
EXPANSION PORT



LIVE  
SENSORS



2+ HOUR  
PLAYTIME



REMOVABLE  
BATTERY



BLUETOOTH  
CONNECTION



RGB  
LEDs