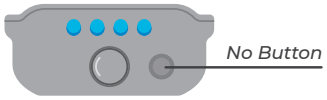
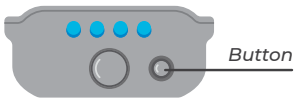
sphero RVR+

sphero RVR

	RVR+	RVR
GEAR RATIO	40:1	22.5:1
PAYLOAD	1 kg	.25 kg
TORQUE	**78% increase from RVR** Ability to climb ~30° inclines depending on surface friction	Ability to climb ~30° inclines depending on surface friction
TOP SPEED	1 m/s	2 m/s
WEIGHT	1017g (with battery); 776g (without battery)	1030g (with battery); 790g (without battery)
BATTERY	Swappable, 5,000 mAh battery. Lasts most of the school day under normal usage. Battery life will vary if powering additional hardware from the USB port. RVR+ doesn't have a button, and RVR+ can run without the battery door being locked (this is not recommended) RVR+ Battery works with RVR and vice versa.	 RVR+ Battery  RVR Battery	Swappable, 5,000 mAh battery. Lasts most of the school day under normal usage. Battery life will vary if powering additional hardware from the USB port. Original RVR Battery has a button that is depressed when the battery compartment locks - door must be locked to turn RVR on. RVR Battery works with RVR+ and vice versa.
MULTI-PACK	• 6 RVR+ robots • 6 Roll Cages • 6 sets of Color Cards • 6 Developer's Plate • 6 USB-C Charging cable • 6 Battery Door Key • RVR+ Educator Guide		• 5 RVR robots • 5 Roll Cages • 5 sets of Color Cards • 5 Developer's Plate • 5 USB-C Charging cable • 5 Battery Door Key

INCLUDED ACCESSORIES

- Roll Cage
- Color Cards
- Developer's Plate
- USB-C Charging cable
- Battery Door Key

** All accessories from RVR will work with RVR+ and vice versa*

SIZE

- Length: 184mm
- Width: 216mm
- Height: 114mm (with roll cage); 70mm (without roll cage)

SENSORS & FEATURES

- Color Sensor
- Motor Encoders
- Accelerometer
- Gyroscope
- IR Sensors
- 10 RGB LEDs
- All-terrain treads

EXPANDABLE

Sphero littleBits, micro:bit (MakeCode and MicroPython), Raspberry Pi (Python)

SOFTWARE IMPROVEMENTS

edu

New Drive to distance block -combines heading, max speed, and distance to make RVR drive

New drive controls:
RC Controls for improved accuracy