

**STAR
WARS**™

Disney

BB-8



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BB-8™
APP-ENABLED DROID

 built by sphero

Orbotix Inc. BB-8™ App-Enabled Droid™ Model: R001

Trade Name: sphero

Technical Specifications

Retail Unit (Gift Box) Contents

BB-8™ App-Enabled Droid™ Robotic Ball	Qty 1
Induction Charging Cradle	Qty 1
Micro USB cable.....	Qty 1
Legal guide.....	Qty 1

Sphero Robotic Ball Contents

Polycarbonate Shell	Qty 1
Polycarbonate Chassis.....	Qty 1
Brushed DC Motors.....	Qty 2
Polyurethane Wheels.....	Qty 2
Delrin Wheels/Wheel Hub	Qty 4
RoHS and REACH Compliant PCB.....	Qty 1
Toy Safe Lithium-Ion Batteries.....	Qty 2
Copper Receiving coil (please refer to Figure 3-5).....	Qty 1
Plastic UV coated magnetic head with embedded roller wheels	Qty 1

Sphero Cradle Contents

ABS Plastic Top Cover	Qty 1
ABS Cradle Base.....	Qty 1
RoHS and REACH Compliant PCB.....	Qty 1

Sphero Electrical Specifications

Power

3.7v 350mA Li-Ion Batteries In Series	Qty 2
Inductive Charging Base	

Radio Emissions

Intentional Radiator, Bluetooth 4.0, 2.4GHz
Antenna Patter is Monopole
with Ground reflecting plane at <10dB antenna gain

Visible Light Emissions

RBG LEDs 1000 mcd (Max)	Qty 2
Blue LED 50mcd	Qty 1

Sphero Cradle Electrical Specifications

Power

5vDC 550mA Input from USB cable

RF Output Power Specification

Class 2, 5.6mW (7.5dBm), 10 meters
Frequency 2402MHz-2480MHz
RF modulation: GFSK

Package Dimensions/Weight

135.89 × 125.98 × 231.90mm (L×W×H)
2.24lbs/1.016047kg