Evo Classroom Kit — Technical Specifications

Product Name	Evo Classroom Kit
Description	The Evo Classroom Kit comes with up to 18 Evo robots, up to 18 Dual-tip Color Code marker packs, bot stickers, wireless charging cradle and accessories and is used to teach coding and robotics to primary and secondary students.
Key Features	1. Bluetooth® Low Energy (30 ft. range) 2. Proximity sensors 3. Optical sensors* for detecting lines and Color Codes 4. LED lights 5. Built-in speaker 6. Strong polycarbonate shell 7. New feature firmware updates 8. Rechargeable LiPo battery (60 min. charge time) Proximity sensors, LED lights and built-in speaker are programmable using Ozobot Blockly or Python.
Device Compatibility	Ozobot Evo robots can be coded screen-free with color codes, or online using Ozobot Blockly or Python. For coding with Ozobot Blockly, use a computer (recommended for Bluetooth loading) or tablet (excluding mini tablets). The following devices work best with Ozobot Blockly: • Chromebook (Chrome OS mid-2016 or later) • Apple Mac (macOS 10.13 or later) • Windows 10 (V.20H2 or later) • iOS tablets (2015 / iOS 13 or later) • Android tablets (2017 / API 24 or later) For using Ozobot Blockly with the Evo App, we recommend tablets and smartphones with these specs or higher: • iOS (2017 / iOS 13 or later) • Android (2017 / API 24 or later) **All devices should support Bluetooth 4.2 at a minimum, with Bluetooth 5.0 or later recommended.*

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Power Supply	Charging Cradle Features: 1. Up to 18 charge positions. 2. Charge speed up to 300mA per robot (approximately 60 min. to charge 80%) 3. 1x USB 2.0 auxiliary power port capable of up to 2A 4. Power on LED 5. Wall mounting option
Classroom Kit Power Includes:	1. 1x Charging cradle 2. 1x 65W AC power supply (110/230V universal input). 3. 12x or 18x robot inserts
Size and Weight	• 33.5 x 33.0mm (WxH) • Weight: Evo – 1 oz, Cradle – 2 lbs
Connectivity	Bluetooth 5.0 (BLE), min. range 10m in free space
Evo Battery & Power	• 140mAh, approximately 60 minutes of operation • Micro USB charging • Wireless Charging via Charging Cradle
Programming Evo	• Ozobot Blockly (over BLE or screen flashing) - program on robot ▪ Block based domain specific programming language ▪ Up to 2kB program stored on the robot that can be executed without an active PC connection. • Ozobot Blockly (over BLE) - program on PC ▪ Block based domain specific programming language ▪ Unlimited program size, program runs on your PC, robot must stay connected over BLE during program execution. • Python (over WiFi) - program on PC ▪ Standard Python interpreter running in a browser based IDE ▪ Unlimited program size, program runs on your PC, robot must stay connected over BLE during program execution.