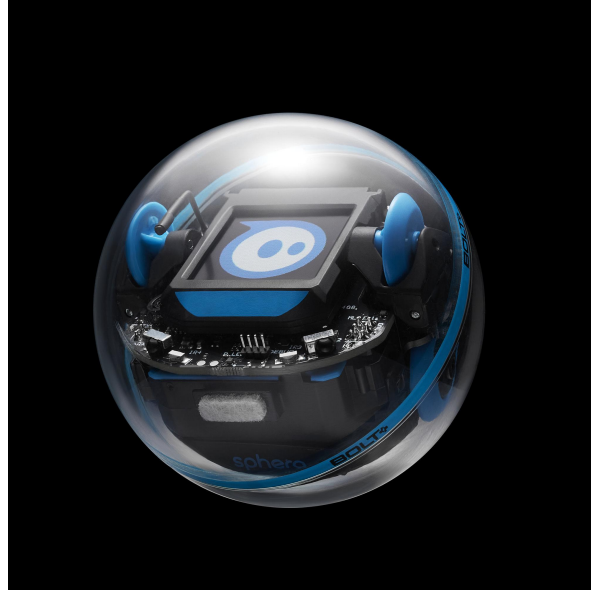


sphero®

BOLT+™



BOLT+ **Product Overview**



BOLT+ | New Features

- **ANIMATION SCREEN DISPLAY:** *Clearer, more detailed images and animations to add to programs*
 - Expanded creative and learning possibilities with 650+ images to choose from
 - The image/animation library is available in the block programming canvas.
 - It is searchable, and students can "star" a photo for repeat use in a program without having to find it again and again.
 - Detailed images and animations
 - Program a personality for your robot
 - Display sensor information in real time or use the screen to debug your code
 - Screen size: 128 pixels x 128 pixels
- **NEW PROGRAMMING FEATURES:** *More creative programming possibilities*
 - New blocks:
 - On Ambient Light Sensor event -
 - On Distance Sensor event - When your BOLT+ reaches a certain distance something happens.
 - On Time Elapsed event - When your program hits a certain amount of time something happens.
 - Display Blocks - With the integrated LCD screen, you can print text, display live sensor data, and vivid graphics, images, and animations
 - Drive to Distance - New customizable event blocks empower students to use advanced sensors in a simple way
 - On Software button - Interact with your BOLT+ in a whole new way by utilizing buttons to trigger actions on your BOLT+
- **DRIVE WHILE PROGRAMMING:** *You can drive the robot while a program is running*
 - Drive while running a program to provide a more real-life programming experience with robots, e.g. the Ambient Light Sensor detects and changes the LED color as you're driving it around
 - Students have to use Blocks in their programs to enable the drive while programming feature.
 - Drive for time: gives BOLT+ a true roll duration, does not include the time of turning motion - actually rolls for 5 seconds. Eliminates the need for using the delay blocks between
- **IMPROVED POWER MANAGEMENT:** *More efficient power management for longer usage*
 - Shake to wake feature
 - When BOLT+ is inactive for a few minutes, the robot turns off. This means that a user doesn't have to worry about their battery draining while it's looking for a bluetooth signal. When a robot is turned off, you can shake to wake it up, or you can place it in a powered cradle to turn it back on.
 - Qi Wireless charging
 - Charge BOLT+ with any wireless charging contact.
- **IMPROVED DRIVING CONTROL**
 - Reduce wobble
 - Accuracy
 - Tuning of roll blocks
- **New FIND MY ROBOT pairing mode:** *Ping robot to see which one is connected to device by using display screen*
 - Not new, launched with 6.5.0 Edu update
- **CLASSROOM MANAGEMENT**
 - Improved connection experience with the robot ID showing up on the display and new "license plate " below the screen. No more long lists of robots always broadcasting, just shake to wake to see your robot.



BOLT+ Single | Bullets (rev. 5/13)

[Link to PDP Copy doc](#)

- **VIVID LCD SCREEN:** Promote creativity and self-expression with the programmable 128x128 pixel LCD screen with crisp visuals and 650+ vibrant graphics and playful animations. The BOLT+ LCD can also display real-time sensor data, aiding precision in code debugging.
- **EXCLUSIVE BOLT+ PROGRAMMING BLOCKS:** Using the free [Sphero Edu app](#), move with precision using the new Drive to Distance block, enable manual driving in the middle of your program, and customize reactions to software buttons on your programming device—all while running a program!
- **ENGINEERED FOR FUN:** Push BOLT+ to the limits, knowing its durable polycarbonate shell will keep it safe. Let creativity take over, dipping BOLT+ in paint to create a work of art or ford a river without worry.
- **FREE LESSONS FOR SCHOOL & HOME:** Explore downloadable guides, cross-curricular activities, and standards-aligned lessons, now enhanced with 38 new lessons just for BOLT+.
- **BEGINNER TO ADVANCED:** BOLT+ is excellent for teachers and programmers of all levels, with three ways to program (Draw, Block, and Text programming) and lessons for introducing and going further with BOLT+.
- **"SHAKE TO WAKE" & BATTERY LIFE:** Wireless Qi charging and optimized power management ensure extended BOLT+ operation on a single charge for all-day battery life, while the "Shake to Wake" feature makes turning on BOLT+ and connecting to a device easy.



BOLT+ Power Pack | Bullets

[Link to PDP Copy doc](#)

- **ENGINEERED FOR EDUCATION:** The trusted durable & waterproof design ensures that BOLT+ can be pushed to the limits and withstand the most imaginative ideas. Bring abstract concepts and creativity to life with a full suite of programmable sensors. BOLT+ also offers enhanced control for precise navigation with reduced wobbling and improved stability.
- **RESOURCES FOR CROSS-CURRICULAR LEARNING:** The BOLT+ Power Pack includes a durable charging storage case, Educator Guide, challenge cards, and more, facilitating seamless integration into your curriculum. Access 100s of cross-curricular lessons, standards-aligned for BOLT+ in the free Sphero Edu app/Meerkat, including over 40+ new standards-aligned lessons just for BOLT+!
- **VIVID LCD SCREEN:** Promote creativity and self-expression with the programmable 128x128 pixel LCD screen, with crisp visuals and 650+ vibrant graphics and animations. The BOLT+ display also offers real-time sensor data, aiding precision in code debugging.
- **EXCLUSIVE BOLT+ PROGRAMMING BLOCKS:** Customizable event blocks in the free Sphero Edu app simplify advanced sensor usage for educational purposes. New blocks include Display, Drive to Distance, and Drive While Programming Blocks as well as 3 customizable Software buttons that provide a flexible way to interact with BOLT+ while running a program.
- **OPTIMIZED CHARGING & BATTERY LIFE:** Wireless Qi charging and optimized power management ensure extended BOLT+ operation on a single charge for all-day battery life, while the "Shake to Wake" feature simplifies waking BOLT+ from sleep state.
- **BEGINNER TO ADVANCED:** BOLT+ is great for teachers and students of all levels, with three ways to program (Draw, Blocks, and Text programming) and standards-aligned lesson plans and resources for introducing and going further with BOLT+.

