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Our office will be closed 02/19. Orders placed after 2PM PT on 02/16 will not be processed until 02/20.

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Scribbler 3 (S3) Robot

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Overview

The Scribbler 3 (S3) robot is the perfect place for students and teachers to begin their STEM/STEAM journey. The robust, easy-to-use S3 robot is simple enough to set up in minutes, and is powerful enough to teach engaging activities throughout the school year. Programming, robotics, and even integrating math and art are all possible with the S3.

The [BlocklyProp online tool](#) is the S3 robot's primary programming environment. Its interlocking blocks with readable text let beginners build programs in an intuitive, visually logical way. The BlocklyProp tool exposes the S3's encoders to provide control over distance and speed for all possible types of movement. Pre-made blocks support all of the S3 robot's sensors, motors. In addition, blocks are included for select accessories that plug into the S3's Hacker Port. Customize your S3 by connecting a Parallax Standard Servo, (PING)) Ultrasonic Distance Sensor, or even an XBee RF module if you are an adventurous hacker willing to open the case.

Those who know the original S1 and S2 may also appreciate the S3 GUI for Windows as an easy transition for existing Scribbler curriculum. Both graphical programming tools reveal the underlying text-based code—C for BlocklyProp and Spin for the Scribbler GUI—for advanced users.

Features

- Free [BlocklyProp graphical online programming](#) on Chromebook, Windows, and Mac
- Fully assembled with a durable shell
- 8 pre-programmed play modes let your Scribbler interact with you, right out of the box
- Built-in sensors for line following, light seeking, object avoidance, and stall sensing
- DC motors with encoders allow for detailed scribbling, maze navigation, and distance control.
- Integrated pen port fits standard Sharpie pens or Board Dudes SRX Dry Erase Markers
- Speaker plays robot-generated musical notes and sound effects
- Hacker Port gives access to 5 digital I/O pins, two analog pins, 3.3V, 5V, and ground
- Silicone o-ring tires provide good traction without leaving marks
- S3 Li-Po Battery and Programming/Charging Cable included

Application Ideas

- STEAM programs combining art with robotics technology and math
- After-school robotics clubs
- Robotics and programming competitions

SHIPPING: Lithium batteries are shipped via UPS only; restrictions apply by country; see [details](#).

Product Families

[Program with BlocklyProp](#)

Find more products supported by BlocklyProp programming.

Related Products

<p>ActivityBot 360° Robot Kit</p>	<p>Scribbler S2/S3 Replacement Motor Assembly</p>	<p>S3 USB Program/Charge Cable</p>	<p>S3 O-ring Replacement Tire</p>
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