






Scribbler™ Robot	Boe-Bot® Robot	SumoBot® Robot Competition Kit	Penguin	Propeller™ QuadRover™
				
Audience				
First-time programmers and roboticists	General Robotics/ Student <i>Most popular robot!</i>	Competition Robotics/ Advanced Robotics Student	Advanced Robot Enthusiasts	Advanced Robot Enthusiasts
Reference Book(s)				
Scribbler Programming Guides (free .pdf downloads)	<i>Robotics with the Boe-Bot</i> tutorial by Andy Lindsay 319 pages	<i>SumoBot Manual</i> by Jon Williams and <i>Applied Robotics with the SumoBot</i> by Andy Lindsay	Penguin Programming Guide (free .pdf download)	Propeller QuadRover Programming Guide (free .pdf download)
Microcontroller				
BS2 OEM (inside case)	BS2 module; accepts any 24-pin BASIC Stamp module	Surface-mount BS2	Surface-mount BS2PX	Surface-mount Propeller chip
Features				
Fully assembled with Demo Program, custom program with text (PBASIC) or graphics (Scribbler Program Maker GUI)	Versatile, Expandable, and Easy to program	For use in autonomous MiniSumo Tournaments or your own matches, breadboard for custom circuits	Similar to the Toddler walking robot, yet much smaller. 7-segment LED offers sensor feedback.	Fully assembled 2.5 HP 4-stroke engine and disc brakes. Bot weighs 89 pounds. Demo programs available for download. Versatile and expandable.
Capabilities				
IR object detection, line following, light following, LEDs, speaker, stall sensor.	IR Detection, light following, whiskers, servo control, piezospeaker	IR Detection, Edge Detection, Servo Control, customizable.	Servo control, light following, object detection with infrared, and "staying on the table"	Remote control operation, carry/tow a payload, GPS, compass, and accelerometer data.
Additional Support Accessories				
For full details click here.	- Tank Tread	- PING)))™ Ultrasonic Sensor	- PING)))™ Ultrasonic Sensor	For full details click here.
	- PING)))™ Ultrasonic Sensor	- Competition Ring Poster	- IR Remote	
	- Crawler Kit			
	- QTI Line Follower			
Time Required to Assemble				
None!	1 hour	1 hour	3 hours	None
Time Required to Complete Initial Programming				
Reprogrammable Preprogrammed	40 hours	40 hours	4 hours -	1 hour -
			Demo program source code available for download.	Demo program source code available for download. Bottom of Form