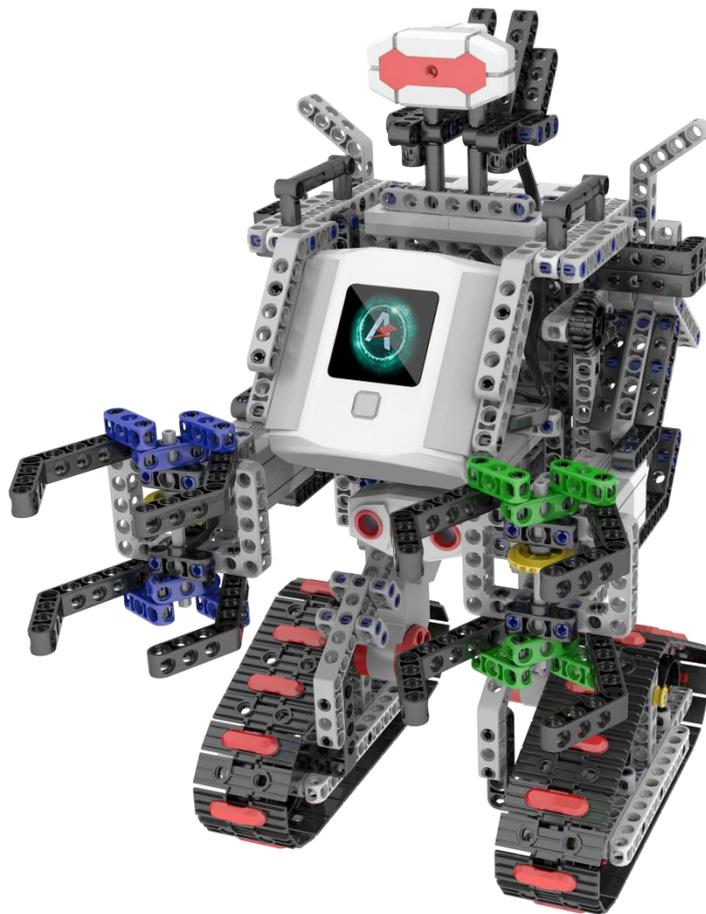


# Krypton

---Brick Series

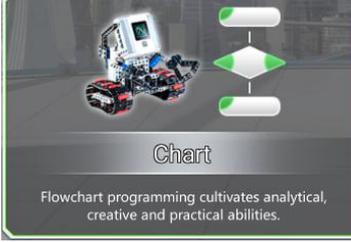


## Specification of Krypton

Item	Image	Description
<b>Krypton 0</b>		<p>This kit contains more than 409 components and 47 kinds of them</p> <ul style="list-style-type: none"> <li>• including 1 set of untouchable screen controller</li> <li>• 6 * 1.5V AA alkaline batteries</li> <li>• 1 built-in Speaker(Volume&gt; 72db(@1m))</li> <li>• 1 set of built-in LED</li> <li>• WIFI connection (802.11b: DSSS; 802.11g: OFDM ;802.11n (20MHz): OFDM;)</li> </ul> <ul style="list-style-type: none"> <li>• 2 set of small closed-loop motors (working voltage 6-9V, RPM 320-330, Static torque 0.4 Nm, Resolution 1°, motor cable is provided)</li> <li>• 1 Grayscale sensors(Gray Value Range: 0-4000, Detecting Distance: 2-8cm)</li> <li>• 1 Touch sensor (Button Distance: 4mm)</li> </ul> <p>With this kit, students can realize 17 teaching activities, such as Big eye baby, Happy Pet, Alien Watcher, Krypton Playing a Drum, Garage Door, Seesaw, Wheeled Robot, Pumping Unit, Motorcycle, Mini-Swing, Catapult, Seal, Parrot, Rainbow Pinwheel, Mini Truck, Robo-Crab, Happy Frog etc. and each one of which is accompanied with curriculum, a Building Manual, an example program and a activity field.</p>
<b>Krypton 2</b>		<p>This kit contains more than 723 components and 57 kinds of them</p> <ul style="list-style-type: none"> <li>• including 1 set of untouchable screen controller</li> <li>• 6 * 1.5V AA alkaline batteries</li> <li>• 1 built-in Speaker(Volume&gt; 72db(@1m))</li> <li>• 1 set of built-in LED</li> <li>• WIFI connection (802.11b: DSSS; 802.11g: OFDM ; 802.11n (20MHz): OFDM;)</li> <li>• 2 set of small closed-loop motors (working voltage 6-9V, RPM 320-330, Static torque 0.4 Nm, Resolution 1°, motor cable is provided)</li> </ul> <ul style="list-style-type: none"> <li>• 1 Color sensor (Detectable5 colors:(white/blue/green/yellow/red); Detecting Distance: 0-8mm)</li> <li>• 1 Ultrasonic sensor(Detecting Distance: 5-150cm)</li> <li>• 2 Grayscale sensors(Gray Value Range: 0-4000, Detecting Distance: 2-8cm)</li> <li>• 1 Touch sensor (Button Distance: 4mm)</li> </ul> <p>With this kit, students can realize 29 teaching activities, such as Big eye baby, Happy Pet, Alien Watcher, Krypton Playing a Drum, Garage Door, Seesaw, Wheeled Robot, Pumping Unit, Motorcycle, Mini-Swing, Catapult, Seal, Parrot, Rainbow Pinwheel, Mini Truck, Robo-Crab, Happy Frog, Armed Guardian, Small Workshop, Small Warrior, Bird Timer, Dragonfly, Soul Warrior, Drumming And Bird Hovering, shooter, Bigfoot Walker, Conveyor, Weightlifter, Mopping Machine etc. and each one of which is accompanied with curriculum, a Building Manual, an example program and a activity field.</p>

<p><b>Krypton 4</b></p>	 <p>This kit contains more than 424 components and 48 kinds of them</p> <ul style="list-style-type: none"> <li>• including 1 set of touchable screen controller</li> <li>• 1 set of lithium battery,</li> <li>• 1 built-in Compass</li> <li>• 1 built-in Gyroscope</li> <li>• 1 built-in Microphone</li> <li>• 2 built-in Speakers(Volume&gt; 72db(@1m) , Stereo)</li> </ul> <ul style="list-style-type: none"> <li>• 1 set of built-in LED</li> <li>• WIFI connection (802.11b: DSSS; 802.11g: OFDM ; 802.11n (20MHz): OFDM;)</li> <li>• 2 set of small closed-loop motors (working voltage 6-9V, RPM 320-330, Static torque 0.4 Nm, Resolution 1°, motor cable is provided)</li> </ul> <p>With this kit, students can realize 22 teaching activities, such as Motorcycle, Seal, Bigfoot No.1, Balance Robot No.1., Parrot, Bigfoot No.2, Mini-Swing. Pumping Unit, Wheeled Robot, Garage Door, Rainbow Pinwheel, Catapult, Robo-Crab, Collision-free robot, Tiny Tank, Celestial logistics soldier, Seesaw, Mini Truck, Carousel, Christmas Tree, Mechanical maintenance engineer, Sailor etc. and each one of which is accompanied with curriculum, a Building Manual, an example program and a activity field.</p>
<p><b>Krypton 6</b></p>	 <p>This kit contains more than 816 components and 57 kinds of them</p> <ul style="list-style-type: none"> <li>• including 1 set of touchable screen controller</li> <li>• 1 set of lithium battery,</li> <li>• 1 built-in Compass</li> <li>• 1 built-in Gyroscope</li> <li>• 1 built-in Microphone</li> </ul> <ul style="list-style-type: none"> <li>• 2 built-in Speakers(Volume&gt; 72db(@1m) , Stereo)</li> <li>• 1 set of built-in LED</li> <li>• WIFI connection (802.11b: DSSS; 802.11g: OFDM ; 802.11n (20MHz): OFDM;)</li> <li>• 2 set of big closed-loop motors (working voltage 6-9V, RPM 190-200, Static torque 0.7 Nm, Resolution 1°, motor cable is provided)</li> <li>• 1 set of small closed-loop motor (working voltage 6-9V, RPM 320-330, Static torque 0.4 Nm, Resolution 1°, motor cable is provided)</li> <li>• 1 Ultrasonic sensor(Detecting Distance: 5-150cm)</li> <li>• 5 Grayscale sensors(Gray Value Range: 0-4000, Detecting Distance: 2-8cm)</li> <li>• 1 Touch sensor (Button Distance: 4mm)</li> </ul> <p>With this kit, students can realize 38 teaching activities, such as Motorcycle, Seal, Bigfoot No.1, Balance Robot No.1., Parrot, Bigfoot No.2, Mini-Swing. Pumping Unit, Garage Door, Rainbow Pinwheel, Catapult, Robo-Crab, Baby Robot, Seesaw, Mini Truck, Sailor, South China Sea Defender, Conveyor, Obstacle Avoidance Robot, Giant Stride, Ferris Wheel, Pirate Ship, Robo-Dog, Mechanical Arm, Thorn walker, Dragonfly, Dynamic Cycling, Lucky Cat, Reaper, Soul Warrior, Sleigh, Mars Explorer, Cyclist, Little Lizard, Weightlifter, Celestial guardian etc. and each one of which is accompanied with curriculum, a Building Manual, an example program and a activity field.</p>

<p><b>Krypton 8</b></p>		<p>This kit contains more than 1122 components and 57 kinds of them</p> <ul style="list-style-type: none"> <li>• including 1 set of touchable screen controller</li> <li>• 2 set of lithium battery,</li> <li>• 1 built-in Compass</li> <li>• 1 built-in Gyroscope</li> <li>• 1 built-in Microphone</li> <li>• 2 built-in Speakers(Volume&gt; 72db(@1m) , Stereo)</li> </ul> <ul style="list-style-type: none"> <li>• 1 set of built-in LED</li> <li>• WIFI connection (802.11b: DSSS; 802.11g: OFDM; 802.11n (20MHz): OFDM;)</li> <li>• 2 set of big closed-loop motors (working voltage 6-9V, RPM 190-200, Static torque 0.7 Nm, Resolution 1°, motor cable is provided)</li> <li>• 3 set of small closed-loop motors(working voltage 6-9V, RPM 320-330, Static torque 0.4 Nm, Resolution 1°, motor cable is provided)</li> <li>• 1 Color sensor (Detectable5 colors:(white/blue/green/yellow/red); Detecting Distance: 0-8mm)</li> <li>• 2 Ultrasonic sensors(Detecting Distance: 5-150cm)</li> <li>• 7 Grayscale sensors(Gray Value Range: 0-4000, Detecting Distance: 2-8cm)</li> <li>• 2 Touch sensors (Button Distance: 4mm)</li> <li>• 1 Camera(1. 30W Pixel)</li> </ul> <p>With this kit, students can realize 50 teaching activities, such as Motorcycle, Seal, Bigfoot No.1, Crane, Balance Robot No.1, Parrot, Bigfoot No.2, Mini-Swing, Pumping Unit, Wheeled Robot ,Garage Door, Rainbow Pinwheel, Catapult, Robo-Crab, Baby Robot, Collision-free Robot, Tiny Tank,Celestial logistics soldier , Seesaw, Helicopter, Mini Truck, Carousel, Christmas Tree, Mechanical maintenance engineer, Sailor, South Sea Guard, Conveyor, Obstacle Avoidance Robot, Giant Stride, Ferris Wheel, Pirate Ship, Robo-Dog, Mechanical Arm, Thorn walker, Dragonfly, Dynamic Cycling, Lucky Cat, Color Master, Reaper, Soul Warrior, Sleigh, Mars Explorer, Cyclist, Little Lizard, Weightlifter, Celestial guardian, Chief detective, F1 Racing Car, Quadruped Locomotive, Rescue leader etc. and each one of which is accompanied with curriculum, a Building Manual, an example program and a activity field.</p>
<p>Controller-Brain D</p>		<p>CPU of the controller is ARM 32-byte STM32F103VET6, 72MHz, 512 FLASH, and 64 K SRAM and also adopts Wifi download mode. It contains 2 motor ports, 4 I/O ports. Working voltage ranges from 7.0-8.4V.</p>
<p>Controller-Brain B</p>		<p>CPU of the controller is MTK6580 1.3GHZ based on Android 5.1, 2G Flash, 512M RAM, and also adopts Wifi download mode. Touch colorful screen of the controller is 1.5 inch DIP: 320*320 with graphs and characters can be displayed. It contains 4 motor ports, 7 I/O ports, 1 camera/USB port. Working voltage ranges from 7.0-8.4V. The lithium battery inside is 7.4V1500MHA and charger is included.</p>
<p>App “Abilix Krypton” -Meet Krypton</p>		<p>Through this app, users can become familiar with and learn how to use the robot without any detailed or complicated instructions. This intuitive program relies on age 3+ children’s innate ability to recognize patterns. This enables them to learn on their own how to control the robot. Online updating is supported.</p>

<p>App “Abilix Krypton” -Project Programmi ng</p>	 <p>Project Programming</p> <p>Obtain delights from robotic projects ranging from beginning to advanced level.</p>	<p>Included Building Manuals</p> <p>With a few simple programming blocks for specific actions, Age 3+ children can design their own programs without formal training. Online updating is supported.</p>
<p>App “Abilix Krypton” -Scratch</p>	 <p>Scratch</p> <p>Bar programming cultivates analytical, creative and practical abilities.</p>	<p>Age 7+ children can use this graphical programming software, the commands and parameters of the program can be set by the placement of icons on the screen.</p> <p>The codes for controlling the robot can be easily generated by dragging the icons to the editing area. Online updating is supported.</p>
<p>App “Abilix Krypton” -Chart</p>	 <p>Chart</p> <p>Flowchart programming cultivates analytical, creative and practical abilities.</p>	<p>The programming software supports standard flow-chart programming. With 0 codes input, Age 7+ children can easily finish programming. Online updating is supported.</p>