

**Boya Controller** 

Educational Robot Module Series

### **User Manual**

(Applicable Model: Boya 0/ Boya 1/ Boya 2)



www.abilix.com

### Smart Sensor Interface Brand Mark Non-screen

# Welcome to Boya!

# **Battery Installation Requirements**

button on the side of the battery compartment to open the cover. Install 6 batteries according to the polarity shown on the inside of the cover. Note This product requires 6 1.5V AA alkaline batteries to operate. Batteries are installed in the battery compartment at the back of the controller. Push the that the polarity of the batteries must match the directions shown inside the

Turning on: Press the home button on the controller for about 3 seconds and loose the finger, a start-up tone will be heard, the LED light turning bright or flashing slowly indicates the start-up is completed. Turning off: Press the home button on the controller for about 3 seconds and loose the finger, a shut-down tone will be heard, the LED light turning off indicates the shut-down is completed.

### Software

Abilix Apps	It is Abilix App Store, including Apps such as: Meet Boya, Boya Project Programming, Abilix Scratch, Abilix Chart, etc.
Boya Virtual Brain	Simulate Boya controller system on a mobile device to run downloaded programs and understand Boya.
Meet Boya	It is an App for users to know about the functions of sensors and actuators.
Boya Project Programming	It is an App helping users assemble dozens of official Krypton models referring to 30 animation; users also can write programs via action module design programs and operate or debug online.

It is an App for scratch programming b mode-dragging. Users can debug and ru online once the programming is completed.	It is an App for chart progra run programs online o completed.	
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It is an App for chart programming. Users can debug and run programs

IPad: 10S 9.0 and above, IPad 4/IPad mini and mukylaunched models.

IPhone: 10S 9.0 and above, IPhone 6 and newly-launched models.

Android Pad: The resolution shall be 1280°800 at least. Android Phone: The resolution shall be 1280°700 at least. Android Phone: The resolution shall be 1280°700 at least.

Applicable Models

Pad

Android: Search "Abilix Scratch" or "Abilix Chart" in Abilix Apps, download and install;

Abilix Scratch

2. iOS: Search "Abilix Scratch" or "Abilix Chart" in App Store, download and install.

Abilix Chart

### App Download

Android users must download Abilix App first to obtain more programming iOS users can obtain more programming Apps via Apple Store.

	Mobile Phone and Pad		
Android: Download in "Google Play".	Android: Search "Krypton Virtual Brain", "Meet Krypton" or "Krypton Project Programming" in Abilix	Apps, download and install; 2. iOS: Search "Krypton Virtual Brain" "Meet Krynton" or "Krynton	Project Programming" in App Store, download and install.
Abilix Apps	Boya Virtual Brain	Meet Boya	Boya Project Programming

Applicable devices

Download

Name

Connect to the controller

online or start all functions; after the first-time connection and setting are completed, use normal connection in the future time. If the connection breaks, there will be prompt when opening the App. Use router to connect the robot and your mobile device to operate program:

	<ol> <li>Connect the mobile device to the wireless router;</li> </ol>
	<ol><li>Turn on Boya and the light is bright red steady for setting,</li></ol>
	connect the robot to the router;
	3. Open App and choose Boya 0/1/2, tap the icon "Scan";
	4. Search for controllers nearby which have joined Wi-Fi, tap
	the button ". [12]" on the upper right to add in the device;
First-time connection	5. Confirm the light of the controller is bright red steady, tap "Next";
	6. Input the password of the current connected router and
	tap "Next" to complete the setting; the light turns green
	steady and a tone will be heard;
	7. Choose the connecting controller and the light of IP
	address corresponding robot will turn flashing green, tap
	"Connect";
	8.A tone will be heard after connecting successfully.

## Fail to operate The connection is broken on-line Firmware Upgrade Turn on Roya and the red light lowly flashes, indicating the convoler's connecting to the curve, when the light turns generon, a formation control control start. 2. Comeach the mobile electes to the writes so tutter. 2. Open App and choose "Booy 30/17", high Ne con "Scan"; so when the substance will pop up the Peddiess of the controller; an interface will pop up the Peddiess of the controller.

Ensure your mobile device has already joined the network and open App to connect to Oculus. If there is any update for the firmware, a prompt will pop up in App, tap "OK" to start to update.

Firmware update may take some time, please ensure your robot is fully charged and wait patiently.

4. Choose the connecting controller and the light of IP address corresponding controller will turn flashing green, tap "Connect";

Normal connection

5. A tone will be heard after connecting successfully.

### **Precautions for Battery Use**

Press the home button for 10 seconds and the light turns bright red with a tone, refer to the steps in "First-Time Connection" to connect.

Reset

Bright Red is on: The system is in factory version and needs to be set;

ight Status

Red light flashes slowly: The controller is connecting to the router;

Green light flashes: The controller is chosen in App list;

Bright Green is on: The controller has connected to the mobile device

Connection Breakdown

Breakdown

- I. This product requires 6 new 1.5V AA alkaline batteries to operate.
  2. When the battery is installed, the polarity must match the direction
  - shown on the inside of the battery compartment.
- 3. Do not use different types of batteries; do not mix old batteries with new
- 4. If use rechargeable batteries, be sure to use the correct battery charge to recharge the batteries; juvenile shall recharge the batteries under adult supervision. Do not recharge the batteries while they are still in the product. Please do not attempt to charge non-rechargeable batteries.
  - Once the batteries are exhausted, open the back cover of the batter. compartment and remove the batteries. Then, follow the battery installation instructions to install new batteries.
    - 3. When the product is not in use, please remove the batteries from the battery compartment to avoid damaging the product.
      - 7. Do not use damaged batteries.
- 3. Do not allow direct connection between the battery pole inside the
- compartment to avoid short circuiting and damaging the product.

  9. Do not let any liquid come into contact with the battery compartment to avoid short circuiting and damaging the circuit board.

The battery capacity is not Replace with a battery in sufficient

Fail to start up continues to flash slowly

Find somewhere with a strong Wi-Fi signal

The signal of Wi-Fi is weak

Reset Reset

The password of the router has been changed The router has been changed

Red light

# Non-rechargeable batteries are not to be recharged

玩具只能连接具有 - 符号的等级 II 设备 The toy is only to be connected to Class II equipment bearing the symbol 非充电电池不能充电

注意! Attention!

Re-connect

充电电池只能在成人监护下充电 Rechargeable batteries are only to be charged under adult supervision

充电电池在重电前应从玩具中职出 Rechargeable batteries are to removed from the toy before being charged

电池应以正确的极性放入

Different types of batteries or new used batteries are not to be mixed

不同类型的电池或新旧电池不能混用

Satteries are to be inserted with the correct polarity

用尽的电池应从玩具中取出

Exhausted batteries are to removed from the toy

he supply terminals are not to be short-circuited 电源端子不得短路

玩具不得供3岁以下儿童使用 The toy is not intended for children under 3 years old

碱性电池、标准(碳锌)电池或可充电电池不能湿用 Do not mix alkaline, standard (carbon-zinc), or rechargeable batteries.

### 如何放入电池

How to insert replaceable batteries

本产品运行需要配备存11.5V AA模性干电3b. 电波线配子的器入底部的电波盘,护开电池。 治金胜上的螺丝打开电池器、格尔电池铁板管由护所示正成 经方面的水效安装。 product requires 5.1.5V A alkalimire batteries, which are installed in the battery compartment at the bottom of the robot. Open the battery cover with a screwdriver and install batteries according to the polarity instruction.

with Part 15 of the FCC Rules. Operation is subject to the following two xt cause harmful interference, and (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause Statements:

date of original retail purchase. Abilix does not warrant normal wear and tear, or damage caused by accident or abuse. For service, please call Abilix, or visit an Abilix retail store or an Abilix authorized service provider. The available services depend on the country or region where the service is

requested. When you submit a valid claim pursuant to this warranty policy,

Abilix will repair, replace or refund your module series Boya product.

ries are free from defects in material and workmanship for one year from the

Abilix guarantees that the accompanying hardware products and accesso

Abilix One-Year Limited Warranty

Note: This product has been tested and found to comply with the limits for a Class B digital device, pursuant to first for the ECC Relations. These limits are designed to provide reasonable pronection against humbil interference is a residential in This product generates, uses, and can indicate additionable overgood, if not minalled and used in accedence with the instructions, may, aucus homitil insquerogy energy and, if not minalled and used in accedence with the instructions, may, accuse homitil interference to adio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to by to correct the

Visit www.abilix.com/support/boya to get the latest Krypton's software

support and usage tutorials.

Abilix service e-mail: services@abilix.com

Abilix official website: www.abilix.com Abilix service hotline: 400 8080 199

For additional technical support

4sk your local authorized distributor for information on technical support.

Please take attention that changes or modification not expressly app compliance could void the user's authority to operate the equipment.

body Cet équipement doit être installé et utilisé à une distance et votre corps.

his device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils I.

(1) Tappareil ne doit pas aproules de dromillage, et l'Il Tappareil ne doit pas aproduce de bronillage, et l'Anticiateur de l'appareil ne doit pas aproduce de bronillage, et l'Anticiateur de l'applicate de l'Anticiateur de l'appreil ne dans carbon de la componentie de na componentie de hondonnement.

### partner×

Creator: Shanghai Partner'X Robotics Co., Ltd. Address: 8th Floor, Building 90, No. 1122 North Qinzhou Road, Xuhui District, Shanghai, China. Creator: Shanghail P Address: 8th Floor, I Qurahou Boad, Xhuili D Zip Code; 200333 Tel;-400 8009 199 Tel;-400 8009 199 Website; www.paptrnery

物料名称:Brain D产品使用手册EN v3.0 **图号**:S-GD-01EN 制作要求:

工艺:五折页,105g铜版纸,双面彩打尺寸:88\*125mm