Abilix
Educational Robot

Boya Robot

Module Series

User Manual

www.abilix.com

Boya Robot Controller

Welcome to Boya !

Turning On and Off:

When off, press and hold the Home Button on the controller for 3 seconds and release after the screen displays the icon. The robot is now in the start up process. Once the screen displays the icon, this indicates that the process is complete.

When on, press and hold the Home Button on the controller for 3 seconds and release after the screen displays the icon. The robot is now in the shut down process. Once the screen turns off, this indicates that the process is complete.

Robot Application Interface Description

You can swipe the controller' s screen left or right to switch between applications. When the star background of each application rotates, it indicates that the application is running. If the star background is motionless, the application is not running. You can start or stop the applications by tapping the screen.

Rest	**Rest:** Built-in application on the controller Running: The star background rotates. The controller powers off each interface and the robot is in power-saving mode.
Soul	**Soul:** Built-in application on the controller Running: The star background rotates. The robot introduces itself.
Code	**QR Code:** Built-in application on the controller Will not run. This is equivalent to the robot's identity. The QR code contains the controller's hotspot name, hotspot password, and the name of the network (only appears when connected to another router).
Set	**Settings:** Built-in application on the controller Description: Turn on the controller' s Wi-Fi or hotspot, set language-mode,software update ,and other built-in robot applications.

In addition to the above applications, you can also view other application interfaces in "Settings". This includes the Battery, Volume , Language, Software Update and other built-in applications. The controller interface may change slightly with system software upgrades.

Software

Abilix APPS	It is "Abilix App Store", including Apps such as: Meet Boya, Boya Project Programming, Abilix Scratch, Abilix Chart, etc.
Meet Boya	"Meet Boya" is an App for users to know about the functions of Boya' s components and how to use them.
Boya Project Programming	"Boya Project Programming" is an App helping users refer to 3D animation to assemble dozens of official Boya models; users also can write programs via action module design programs and operation online.
Abilix Scratch	"Abilix Scratch" is an App for scratch programming by means of mode-dragging. It is applicable to the juvenile and Boya professional players.
Abilix Chart	"Abilix Chart" is an App for chart programming by means of downloading the completed program on the controller to run automatically. It is applicable to the juvenile and Boya professional players.

Notes: You also can visit www.abilix.com/support/boya for more details.

Advice to Novice:

Android users can download and install Abilix Apps (Abilix App Store) for more program Apps;

iOS users can find more program Apps in App Store.

App Download:

Name	Download	Applicable devices
Abilix Apps	**Android:** Download in "Google Play".	Mobile Phone and Pad
Meet Boya	1. **Android:** Search "Meet Boya" or "Boya Project Programming" in Abilix Apps, download and install; 2. **iOS:** Search "Meet Boya" or "Boya Project Programming" in App Store, download and install.	
Boya Project Programming		
Abilix Scratch	1. **Android:** Search "Abilix Scratch" or "Abilix Chart" in Abilix Apps, download and install; 2. **iOS:** Search "Abilix Scratch" or "Abilix Chart" in App Store, download and install.	Pad
Abilix Chart		
Applicable Models	**iPad:** iOS 9.0 and above, iPad 4/iPad mini and newly-launched models. **iPhone:** iOS 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*720 at least.	

Connect to the Robot

There are two methods for connecting the controller to a mobile device: **Controller Hotspot Connection** and **Connection via Router**. Download the program after successfully connecting to the controller for data communications. Aside from the different icons, there are 5 applications that connect in the same way. Below are examples of the mobile phone or PAD "Meet Boya" App.

Controller Hotspot Connection:

1. Enter the controller settings interface , locate the Wi-Fi icon , and tap Enter;
2. Enable hotspot . The controller will then be used as a network hotspot, and the hotspot name and password will appear;
3. Enable Wi-Fi settings on the mobile device. Connect your mobile device to the robot controller hotspot;
4. Switch the controller interface to the QR code interface ;
5. Open the "Meet Boya" App, and tap the icon at the top to scan the QR code on the controller interface;
6. After scanning, the "Robot Hotspot Name" and "Password" will appear. Tap "Next" ;
7. When it is displayed that the connection is successful, tap "OK" to complete the connection.

Connection via Router:

1. Connect mobile device to the router.
2. Enter "Settings" , click Wi-Fi icon and open it;
3. Find the router name which has been connected to the mobile device and connect the controller to the same router.
4. Switch back to the interface of QR code ;
5. Open "Meet Boya" to find and click the icon to scan the QR code on the screen.
6. After scanning, the "Robot Hotspot Name" and "Password" will appear. Tap Next;
7. When it is displayed that the connection is successful, tap "OK" to complete the connection.

Notes: If the router has been connected to the internet, the controller will be connected to the internet as well; therefore, the controller will automatically verify whether the software has been updated.
You can also tap the software update application interface to check for updates.

Downloading Programs

Programs written by Boya Project Programming , Abilix Chart or Abilix Scratch can be downloaded and run on the controller. Once a program is written, you can enter the project name in the input box of the programming interface. Then, find and click the icon.

When the mobile device and the controller both show that the download is successful, you can find the application interface on the controller with the same name as the one of the program you entered. This is the program you downloaded.

Deleting an App or Program

If you want to delete an App or program that has been downloaded, just tap and hold the App or program screen, and tap to delete in the pop up dialog box.

Abilix One-Year Limited Warranty

Abilix guarantees that the accompanying hardware products and accessories are free from defects in material and workmanship for one year from the 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.

Precautions

- The product is not intended for children under 3 years old
- Check regularly for damage to the cord, plug and other parts. If damage is found, discontinue use until repairs have been completed
- Only connect the charger to Class II equipment bearing the symbol
- Do not connect the controller to more than the recommended number of power supplies
- Remove rechargeable batteries from the controller before charging
- Only charge rechargeable batteries under adult supervision
- Insert batteries with the correct polarity
- Do not short-circuit the supply terminals
- Rechargeable batteries can only use a dedicated charger. Do not use other power supplies.
- The charger is not a toy
- Disconnect the product from the charger and remove the battery before cleaning
- Do not use liquids to clean rechargeable batteries and chargers. Disconnect the power supply before cleaning.
- Batteries and chargers should be replaced by an Abilix authorized service provider. Using the wrong type of replacement battery may result in an explosion hazard. Do not recycle or discard batteries with household waste.

For additional technical support:

Abilix service hotline：400 8080 199
Abilix service e-mail：services@abilix.com
Abilix official website：www.abilix.com
Visit www.abilix.com/support/boya to get the latest Krypton' s software support and usage tutorials.

Ask your local authorized distributor for information on technical support.

Attention!

It shall be regularly examined for damage to cord,plug enclosure and other parts,and, they must not be used until the damage has been repaired

The toy is only to be connected to Class Ⅱ equipment bearing the symbol

The toy is not to be connected to more than recommended number of power supplies

Non-rechargeable batteries are not to be recharged

Rechargeable batteries are to removed from the toy before being charged

Rechargeable batteries are only to be charged under adult supervision

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

Batteries are to be inserted with the correct polarity

Exhausted batteries are to removed from the toy

The supply terminals are not to be short-circuited

The toy is not intended for children under 3 years old

The toy shall only be used with a charger for toys

The model number or specification of a suitable charger for use with the toy

The charger is not a toy

How to insert replaceable batteries

Statements:

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

Cet appareil est conforme à la section 15 des réglementations de la FCC. Le fonctionnement de l' appareil est sujetaux deux conditions suivantes :
(1) cet appareil ne doit pas provoquer d' interférences néfastes, et
(2) cet appareil doit tolérer les interférences reçues, y compris celles qui risquent de provoquer un fonctionnement indésirable.

Note: This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio 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 try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention desautres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une
communication satisfaisante.

Abilix Apps

partnerX
Manufacturer: Shanghai PartnerX Robotics Co., Ltd.
Address: 8th Floor, Building 90, No. 1122 North Qinzhou Road Xuhui District, Shanghai, China.
Zip Code: 200233
Tel: 400 8080 199
Website: www.partnerX.cn

物料名称：Brain B产品使用手册EN v3.0
图号：S-GD-02EN
制作要求：
工艺：六折页，105g铜版纸，双面彩打
尺寸：88*125mm