Abilix™
Educational Robot

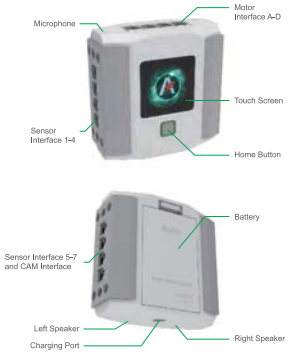
Krypton

Brick Series

User Manual

www.abilix.com

Controller



Welcome to Krypton !

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 startup 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 shutdown 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 port 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.
	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).
Settings	**Settings:** Built-in application on the controller. **Description:** Turn on the controller's Wi-Fi or hotspot, set language-mode,software updates ,and other built-in robot applications.

In addition to the above applications, you can also view other application interfaces. This includes the battery power icon, "Volume Adjustment", and other built-in robot applications. The controller interface may change slightly with system software upgrades.

If you download or install other applications to the controller, you will also see these downloaded or installed application interfaces. You can delete these applications by pressing and holding on the interface.

Software

Abilix Apps (Android PAD)	Installed on the App Store on Android system tablets. Description: Includes all applications on the Android PAD and controller; Download method: In "Google Play", search for "Abilix Apps" to download and install.
Meet Krypton	Install the Meet Krypton App on the PAD or iPhone. Description: This APP is used to understand electronic components such as controllers, sensors and actuators. The PAD or iPhone must be connected to the controller before it can be used. Download method: Search for "Meet Krypton" in the App Store or Abilix Apps to download and install.
Krypton Project Programming	This robot programming APP installed on the PAD is suitable for younger users and beginners. Description: Includes building steps and the programming interface. The PAD must be connected to the controller before it can be used. Download method: Search for "Krypton Project Programming" in the iPad App Store or Abilix Apps to download and install.
Abilix Chart	This robot programming APP installed on the PAD or Windows platform is suitable for older users .
Abilix Chart	Description: Standard flowchart programming software. Automatically generates C language. The PAD or Windows PC must be connected to the controller before it can be used. Download method: Search for "Abilix Chart" in the iPad App Store or Abilix Apps to download and install. Go to www.abilix.com to download the installation package for the Windows version.
Abilix Scratch	This robot programming app installed on the PAD is suitable for older users. Description:Scratch syntax programming software. The PAD must be connected to the controller before it can be used. Download method: Search for "Abilix Scratch" in the iPad App Store or Abilix Apps to download and install.
Recommended Models	iOS devices: iOS 9.0 and higher, iPad 4/iPad mini/iPhone 6 and later models. Android devices: Android 5.0 and higher. Windows devices:Windows 7 and higher,include Wi-Fi.

Connect the Robot

There are 2 patterns to connect mobile devices to the robot: Direct connection and Connection via router. Digital telecommunication and App Download can be implemented once the connection is successful. Take "Meet Krypton" in iPad for example:

Direct Connection	1. Ensure iPad is not connected to router before starting the connection. 2. Enter "Settings" , click Wi-Fi to turn on hotspot; the controller serves as a net hotspot. 3. Switch over to the interface of QR Code . 4. Open "Meet Krypton"to find and click the icon , enter "Scan QR code" to scan the QR code on the screen.
Direct Connection	5. Obtain "Robot hotspot name" and "password", double click the password for a copy. 6. Switch over to iPad wireless setting, find "Robot hotspot name" and click for a connection, paste the previous copied password. Switch over to "Meet Krypton" and click "Next" for a connection. An interface will be displayed on the screen after connecting successfully. The connection is finished.
Connection via Router	1. Connect iPad to the router. 2. Enter "Settings" , click Wi-Fi and open it; find the router name which has been connected to iPad and connect the controller to the same router. 3. Switch back to the interface of QR code . 4. Open "Meet Krypton"to find and click the icon , enter "Scan QR code" to scan the QR code on the screen. 5. Click "Next"for a connection and click "Okay"once there is a prompt of "Connection Success". 6. An interface will be displayed on the screen after connecting successfully. The connection is finished. Notes: If the router has been connected to the internet, the robot will be connected to the internet as well; therefore, the controller will automatically verify whether the software has been updated.

Downloading and Deleting Programs

Programs written by Krypton Project Programming , Abilix Chart or Abilix Scratch can be downloaded and run on the robot. Once a program is written, you can enter the project name in the input box of the programming interface. Then, find and click the " " or " " icon (make sure that the robot and PAD/Windows PC are connected). When the PAD/Windows PC and the robot both show that the download is successful, you can find the application interface on the robot with the same name as the one of the program you entered. This is the program you downloaded. If you want to delete a program that has been downloaded to the robot, just press and hold the program page, 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 Brick Series Krypton Robot.

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.

How to Insert the Battery

① Align the two protrusions on the battery with the two holes at the back of the controller

② Gently press down until you hear the battery click into place

③ Complete

For additional technical support:

Contact Method:info@abilix.com

Abilix official website:www.abilix.com

Visit www.abilix.com/krypton/krypton_user_manual.pdf for the latest information.

Ask your local authorized distributor for information on technical support.

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.

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 des autres 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.

partner

Manufacturer: Shanghai Xpartner Robotics Co., Ltd.
Address: Building 90, No. 1122 North Qinzhou Road, Shanghai Zip Code: 200233
Tel: 400 808 0199 Website: www.abilix.com

物料名称：氪系列产品使用手册EN 版本：v1.1
图号：KEN-GD-02
制作要求：
五折页，105g铜版纸，双面彩打
尺寸：88*125mm