

Abilix  
Educational Robot Inventor

# Oculus

Educational Robot Mobile Series

User Manual v1.0  
(Applicable to Oculus 1/2)

www.abilix.com

## Oculus 1/2

### Welcome to Oculus

**Warning:** Avoid dropping from heights. This is a mechanical device. Use caution when your hands are around moving joints and parts.

#### 1. Instruction

##### 1.1 Start-up

Steps	1. Press Power button on the front of the robot and hold for 1 second
	2. Eye lights turn green and power light flashes green
	3. Start-up complete

##### 1.2 Shut-down

Steps	1. Press Power button on the front of the robot and hold for 4 seconds
	2. Power light turns off and voice says "Bye-Bye"
	3. Shut-down complete

---Note: Please charge the robot for 1-2 hours before using it for the first time to ensure sufficient power.

##### 1.3

Power Light Status	Red pulsing	Failed to connect to router
--------------------	-------------	-----------------------------

#### 2. Connect Robot

##### 2.1 Connect your phone to router.

##### 2.2 Steps:

2.2.1 Android users can scan the QR code below or on the package to install Abilix Apps (Abilix app store).

Note: iOS users can download Abilix Apps from the App Store.

##### 2.2.2 Install Oculus Virtual Brain: Android users can find the app in Abilix Apps and iOS users can find the app in the App Store.

##### 2.2.3 Connect the robot:

1) Open Oculus Virtual Brain (Fig 2).

(Fig 2)

2) Click the "Scan" icon on upper right and enter the robot model selection page (Fig 3).

(Fig 3)

3) Click Oculus 0 and the following page will pop up. Click "Configure Robot" (Fig 4).

(Fig 4)

4) Click "Start Configuration" (Fig 5).

(Fig 5)

5) Enter WiFi password (if necessary) and click "OK" (Fig 6).

(Fig 6)

### Power Light Status

Red	Ready to connect to router
Green	Connected to router
Green pulsing	Ready for connection (Selected on mobile phone)
Blue	Running programs from mobile device

6) When the robot is successfully connected to the router, the following page will pop up (Fig 7).

(Fig 7)

7) Click the box to connect to the robot. The Connection button will turn green and the robot power light will flash green (Fig 8).

(Fig 8)

8) Click "Connection". When the robot is successfully connected with the mobile phone, the interface of Oculus Virtual Brain will pop up and the icon in the upper right will turn into a robot icon.

(Fig 9)

### Apps

Oculus 1/2 provides a wide selection of apps and entertainment. You can find more Oculus Apps in "Abilix Apps".

**Oculus Virtual Brain**

Virtual Brain is the control center of Oculus 1/2. Users can change the robot's volume, language and other settings in Virtual Brain. You can swipe the screen to switch functions.

Version: 1.1.0.2

Version: 1.1.0.2

### Virtual Brain

Virtual Brain is also the operation center of Oculus 1/2, storing and executing programs such as dance moves downloaded from Skill Player and programs edited in Abilix Chart.

Users can also try out "memory challenge" and other mini games installed in Virtual Brain. Users can go to "Abilix Apps" for more games and download them to Virtual Brain.

### Additional Apps

Oculus Controller	Control the movement direction and speed of the robot. You can also change the head movement pattern as well as its lighting and sound effects.
Meet Oculus	An App to get familiar with Oculus' s sensors and actuators.
Oculus Project Programming	A module-based programming app with various application scenarios. Suitable for children and beginners.
Abilix Scratch	This App allows for easy "drag and drop" Scratch-based programming. Users can debug and run programs online once the programming is complete.
Abilix Chart	Abilix Chart supports standard flowchart programming.
Abilix Skill Player	Play and edit music and dance routines.

Note: Visit [www.abilix.com/support/Oculus](http://www.abilix.com/support/Oculus) for more.

### Precautions for Lithium Battery Use and Change

- This product requires a 7.4V/1500mAh lithium battery. Do not use batteries against product requirements;
- Unscrew the battery cover at the bottom of the robot to take out the lithium battery; when installing the battery, fit the battery cover into the buckle and tighten up the screw;
- Children should charge the battery under adult supervision. Use chargers that comply with product requirements;
- When the battery runs out, see above to charge the battery;
- Do not let liquid contact the robot or the battery to avoid short circuit;
- When the battery is broken, contact Abilix or authorized Abilix retailer only to replace it;
- Lithium battery must be disposed separately from household garbage.

### For more technical support:

Hotline: 400 8080 199  
Abilix Website: [www.abilix.com](http://www.abilix.com)  
You can also visit [www.abilix.com/support/Oculus](http://www.abilix.com/support/Oculus) for the latest Oculus software and user manual.  
Please contact your local authorized retailer for technical support.

### One-year warranty

### Firmware Update

Before the update, please make sure the mobile device is connected to the network and the app is connected to the robot. If there is a firmware update available, a prompt will pop up in the app. Click "OK" to update. The update may take some time. Please make sure the robot is fully charged and wait patiently.

### partner x

Manufacturer: Shanghai PartnerX Robotics Co., Ltd  
Address: 8th Floor, Building 90, No.122 North Zhizhou Rd., Xuhui District, Shanghai  
Zip Code: 200233  
Tel: 400 8080 199  
Website: [www.abilix.com](http://www.abilix.com)



## 注意!Attention!

- 定期检查其电线,插头和其他部件是否损坏,发现损坏时应停止使用,直至修复完好  
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
- 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 □
- 玩具不能连接到多于推荐数量的电源上  
The toy is not to be connected to more than recommended number of power supplies
- 非充电电池不能充电  
Non-rechargeable batteries are not to be recharged
- 请关机后充电  
Please turn off before charging
- 充电电池只能在成人监护下充电  
Rechargeable batteries are only to be charged under adult supervision
- 不同类型的电池或新旧电池不能混用  
Different types of batteries or new used batteries are not to be mixed
- 电池应以正确的极性放入  
Batteries are to be inserted with the correct polarity
- 用尽的电池应从玩具中取出  
Exhausted batteries are to be removed from the toy
- 电源端子不得短路  
The supply terminals are not to be short-circuited
- 玩具不得供3岁以下儿童使用  
The toy is not intended for children under 3 years old
- 玩具只能使用指定的适配器  
The toy shall only be used with specified adaptor
- 充电器不是玩具  
The charger is not a toy

### 如何放入电池

#### How to insert replaceable batteries

电池装配于机器人底部电池槽内, 使用十字螺丝刀, 拧下电池盒上紧固螺丝便可取下电池盒, 将新电池盒放入电池槽内, 拧紧固螺丝。  
A battery box is installed in the Battery Bay of Oculus's chassis. Please use cross screwdriver to remove the screw for battery box disassembling and replacement.

### 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 sujet aux 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.

名称 : M5-GD-04;电池卡EN ; V1.0

制作要求 :

工艺 : 128g哑粉纸, 双面打印 ,

尺寸 : 88\*125mm