# MANUALS & QUICK GUIDES

COPYRIGHT ©2017 Qihan Technology Co., Ltd.

# FOR ROBOT

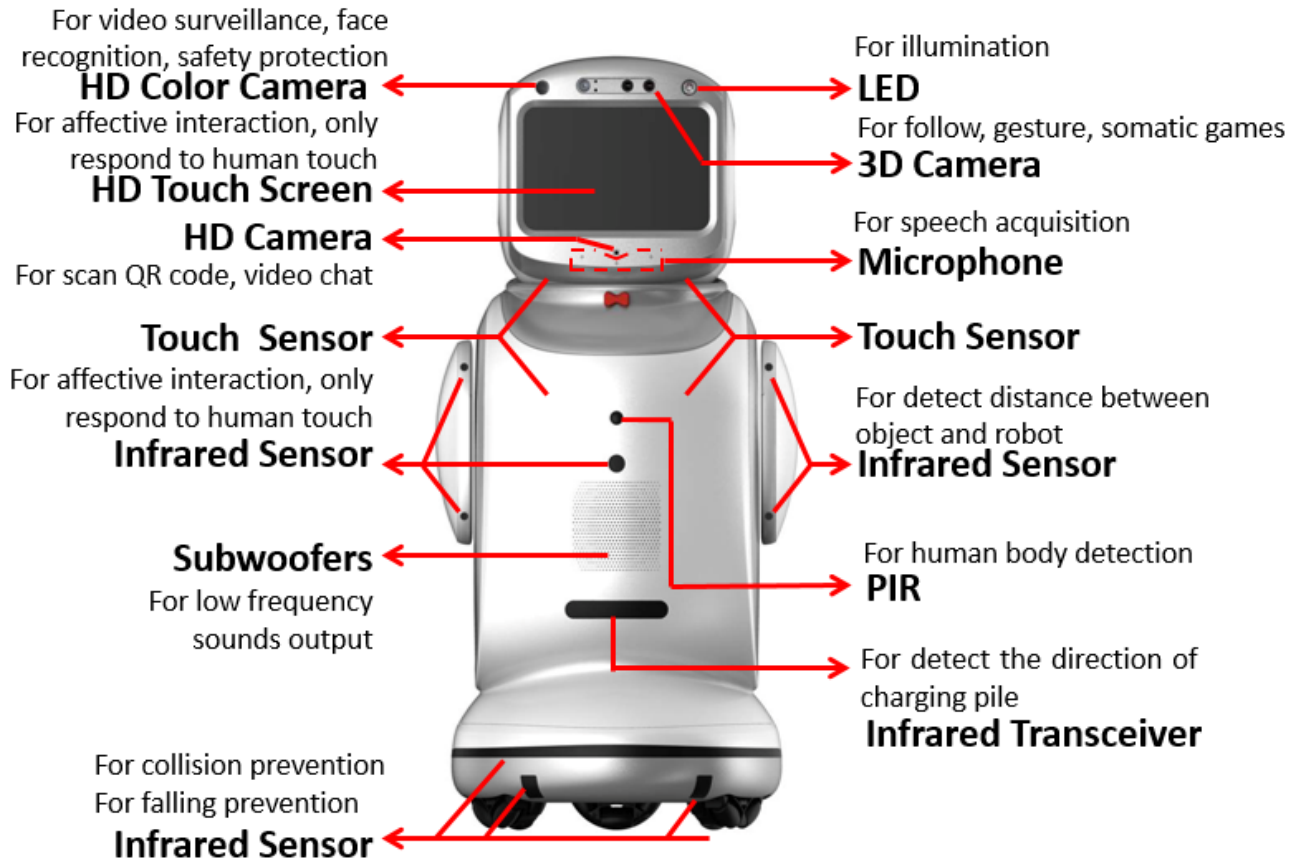
Thank you for purchasing our product. Please read this manual before use our product, so that you can make it easy to operate our robot.

The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website(**http://www.sanbot.com/service/download.html)**.

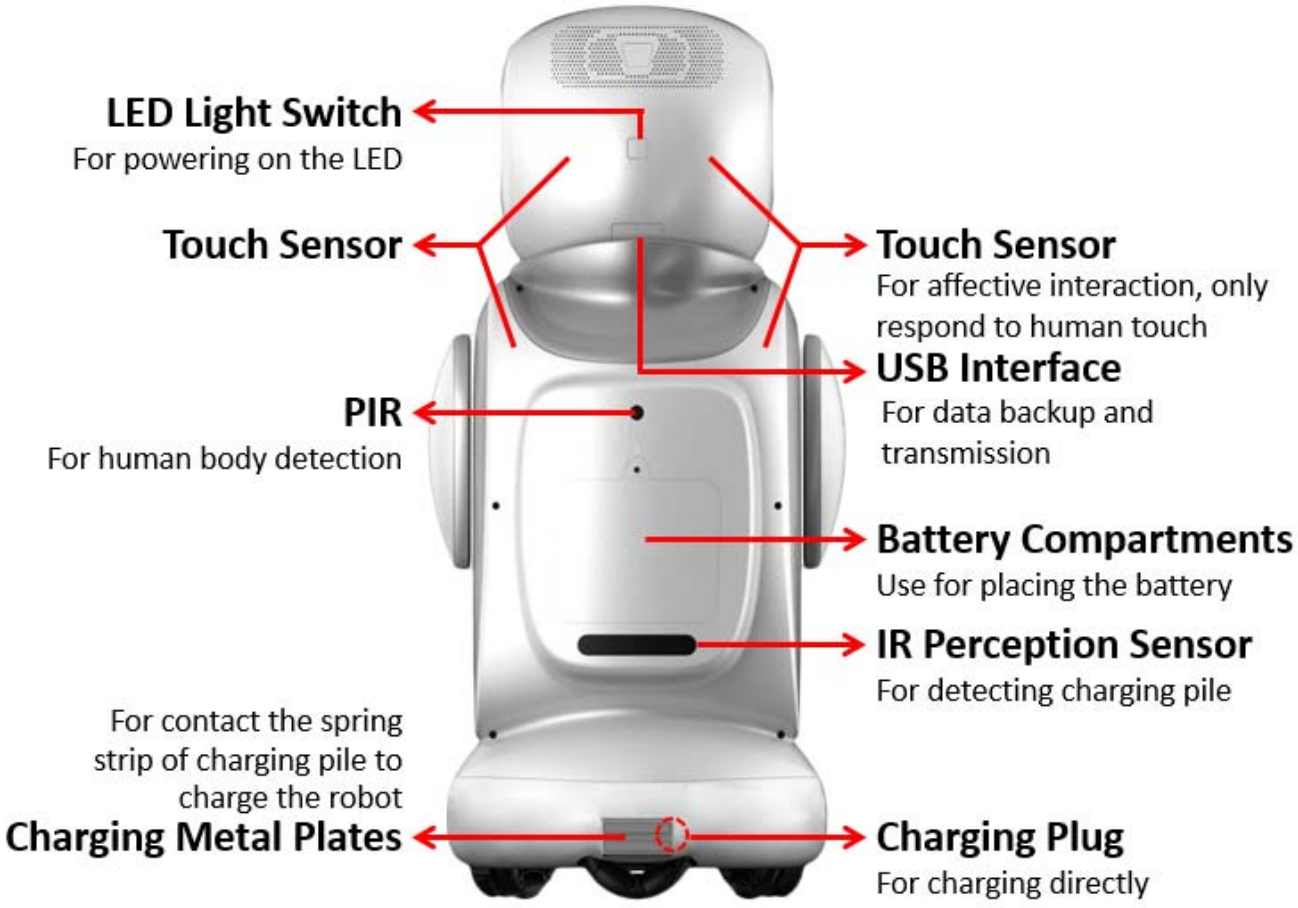
## 1. Points for Attention

- Please do not allow children under 7 years old to use this product alone.
- Children between 7 to 15 years old should be accompanied by parents or adults when use the robot.
- If you allow juveniles to use this product, please be sure to instruct them all do's and don'ts as well as safe use of electricity.
- Please tell your children not to put their fingers into the gap between the robot's wings and its body as well as the gap between the robot's head and its body to avoid being jammed while the robot moves.
- Please softly move the robot head to do the look up and down.
- Please pay attention to those places where the product may fall or tumble to the ground.
- Do not immerse the product or the charging pile into liquid. Use a gentle cleanser to clean the robot if needed.
- Please use the designated charging pile to charge the robot. Any other power adapter is prohibited.
- Please do not throw or kick the product and the charging pile, which may result in mechanical failure, abnormal function as well as degradation of performance.
- Please do not use or store the power adapter in the high temperature, humid or high voltage conditions. Once such abnormal situations as leakage, strange smell, deformation, etc. appear, you should cut the power immediately.
- When you move the robot on power-off, please push its front body forward, i.e. push it go backwards, or push its back slowly at constant speed.

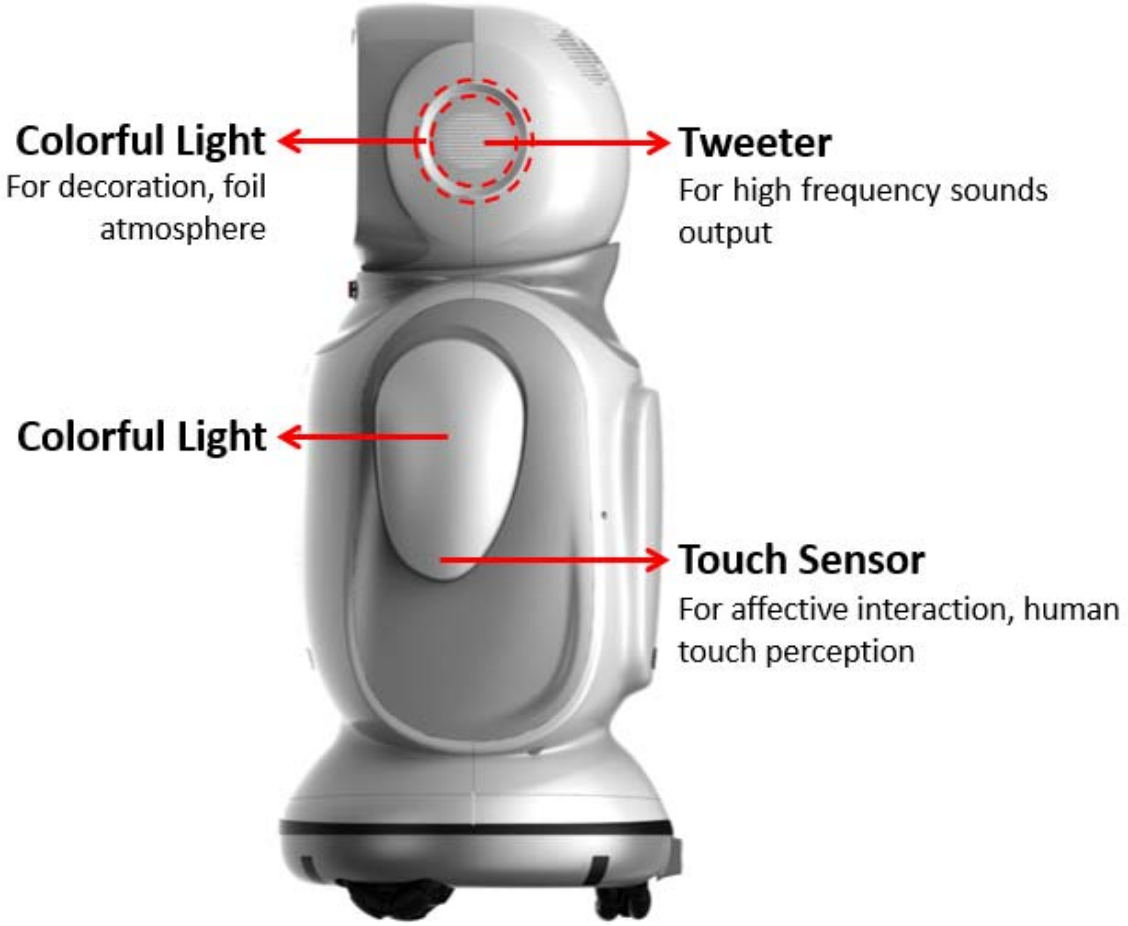
## 2. Robot Appearance



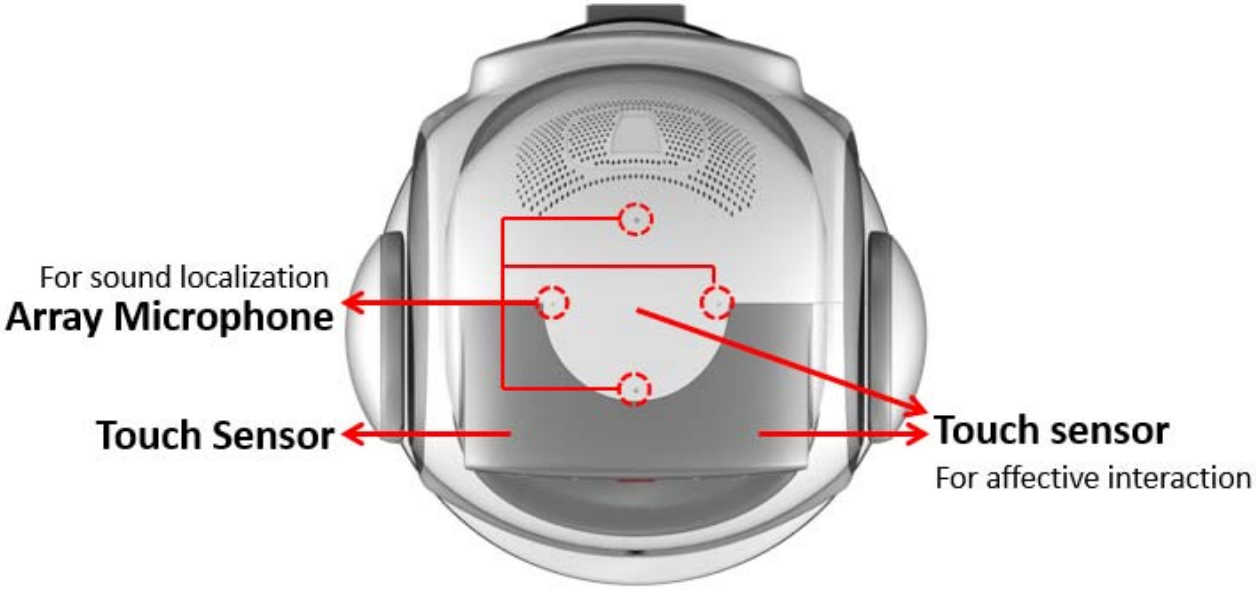

**Front**



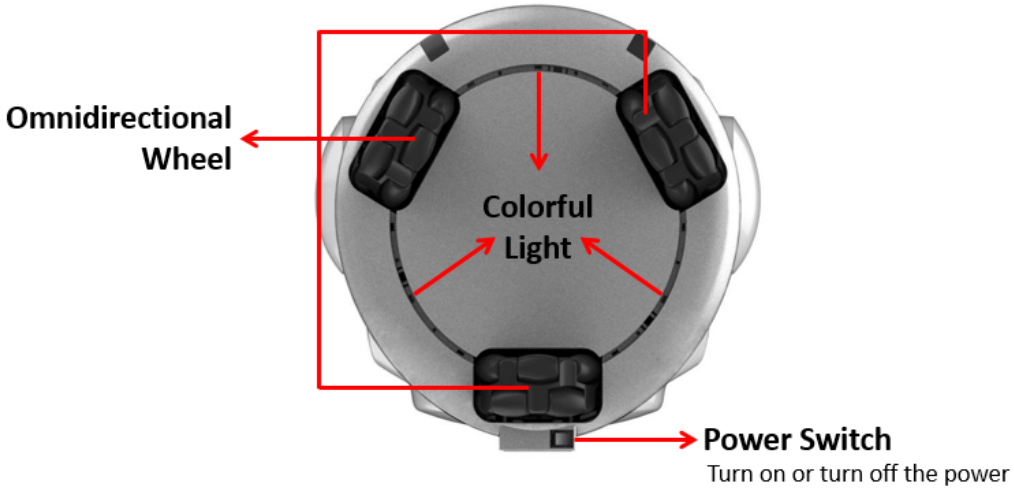

**Back**


Colorful Light
For decoration, foil atmosphere
Tweeter
For high frequency sounds output
Colorful Light
Touch Sensor
For affective interaction, human touch perception

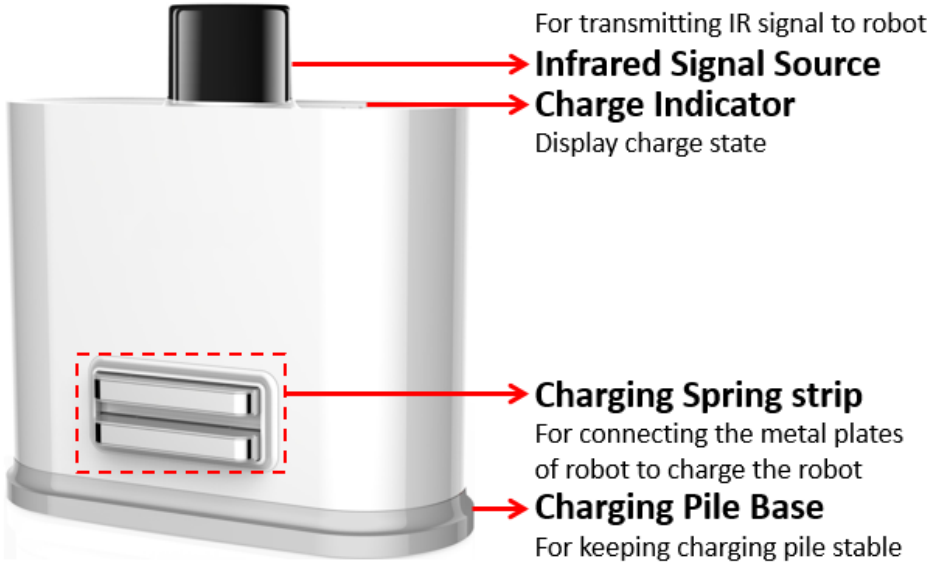
**Lateral**


For sound localization
Array Microphone
Touch Sensor
Touch sensor
For affective interaction

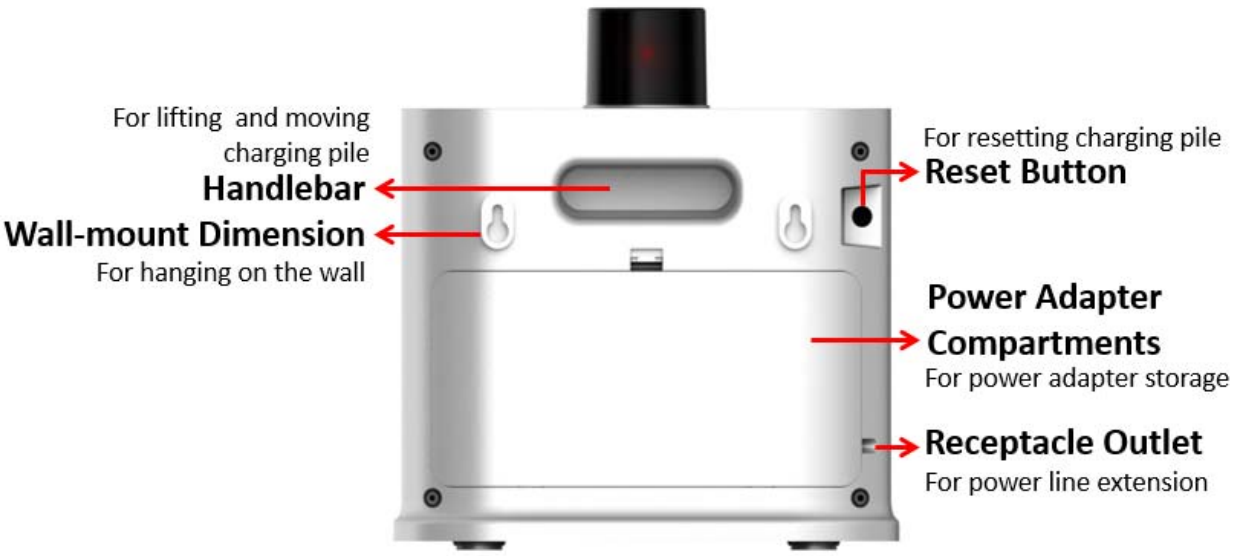
**Top**




**Bottom**




**Charging Pile (Front)**




**Charging Pile (Back)**

# 3. QUICK GUIDE

**1)** Press the power switch at the bottom of the robot to turn on the power.

**2)** When starting the robot for the first time or after restoring the local factory settings, touch the screen to start the wizard, then go through all proposed steps, i.e. Start-up loading, Choose menu language, Robot self-introduction (you can choose to skip the cartoon), Agree terms for usage, Choose your WIFI and input the password, Choose screensaver role, Show the password of administrator, Scan OR code by mobile App "Q-Link" to add the robot as admin (you can skip this step), Other settings, Finish. (Please refer to the actually displayed interfaces)

**3)** Touch the screensaver of the robot, all functions can be used by everyone as default. If you want to assign the permission for general user, and they only can operate the authorized function, please access "Permission" and choose "One key activate permission" to input the admin Q-link account password, then you can activate the function. After that, every time when you start the robot, you should input the login password **(the default password is "admin")** and then you can use appropriate permissions function.

**4)** Click the hover button to return to previous menu or return to screensaver of the robot. Touch and hold the hover button and an adjustment window pops up, you can adjust volume, return to the screensaver, adjust brightness and prohibit the robot from being roused by sound of surroundings.

**5)** You can also use voice to communicate with our robot.

**i. Wake-on-voice:**

The ear light goes out when the robot is in sleep state. Speak the robot's name "Hello, Sanbot" or "Hi, Sanbot" to waken it and the ear light turns green. Now you can control the robot by voice command (see table) and chat with it if it is connected to the network.

**Notes:** You are able to waken the robot within 4 meters around it. But it may be affected by the ambient noise. The best way to waken the robot is that you directly face the robot in a distance about 1.5 meters. The robot will get into sleep if it doesn't detect voice within 10 seconds to 30 seconds after it is wakened.

**ii. Voice Command:**

The robot can directly respond to those commands with wake-up words, for example, "Hello, Sanbot" or "Hi, Sanbot", Sing a song".

Only in the wake-up state, the robot can respond to those commands without wake-up words, for example, "play music".

**iii. Control Command:**

| Function | Voice Command |
|---|---|
| Awaken robot | "Hello, Sanbot" or "Hi, Sanbot" |
| Voice interruption | Keep silent, stop talking (Silent mode), Be quiet (Sleep state) |

| | | |
|---|---|---|
| Go forward | Go forward, move forward, move on | |
| Turn left | Turn left | |
| Turn right | Turn right | |
| Turn about | Turn about | |
| Stop moving | Stop | |
| Get away | Get out | |
| Walk to you | Come here | |
| Start to wander | Start to wander, Walk freely | |
| Stop wandering | Stop wandering, stop walking freely | |
| Enable gesture | Enable gesture | |
| Disable gesture | Disable gesture | |
| Turn on projector | Turn on the projector | |
| Turn off projector | Turn off the projector | |
| Turn on LED light | Light on | |
| Turn off LED light | Light off | |
| Play music | Play music, Sing a song | |
| Pause music | Pause music | |
| Resume music | Resume music | |
| Previous music | Previous music | |
| Next music | Next music | |
| Exit music | Quit music | |
| Play movie | Play movie, see a movie, Play video | |
| Pause movie | Pause movie | |
| Resume movie | Resume movie | |
| Previous movie | Previous movie | |
| Next movie | Next movie | |
| Exit movie | Quit movie | |
| Start dancing | Start dancing, have a dance, Take a dance | |
| Pause dancing | Pause dancing | |
| Resume dancing | Resume dancing | |
| Stop dancing | Stop dancing | |
| Start follow mode | Follow me, start follow, Walk with me | |
| Stop follow mode | Quit follow | |
| Start self-introduction | Who are you, what can you do | |
| Start auto-recharge | Time for charging, out of power, Go to charge | |
| Volume up | Speak louder | |
| Volume down | Speak softer | |
| Open APP | Run + “APP” | “APP” is related APP name |
| Close APP | Quit + “APP” | |
| Start duck run | play game, Play with me | |
| Stop duck run | I am done with you, Stop the game | |
| Start take photos | Take a photo, take photo, take a picture, take picture | |
| Exit camera | Quit camera | |

**Reminder:** Touch robot or speak the robot’s name “Hello Sanbot” or “Hi Sanbot” to waken it as to stop or pause some function. And when you touch the top of the robot head, you can quit music, movie, dance, follow, wandering, and gesture control. More voice commands are adding…

## 4. To Operate Mobile APP

### 1) Q-Link Installation

Download “Q-Link” APP from the APP Store and install on your phone. We recommend that you use a phone running Android 4.0 + or IOS 9.0+.

### 2) Register & Log-in

Open the “Q-Link” APP, click “Login”, click “Register” to input user information and then you can get a verification code by SMS on your mobile, input the verification code and click “register” to finish. If you have already had an account, please input the correct user name and password and click “Login”

### 3) Add the Robot/Friends

Click the button on the top right corner of the “Q-Link” APP and select “scan QR code”, scan QR code of the robot (click “Settings” on the robot → About → QR code) to add the robot; scan your relatives and friends QR code (open his/her “Q-Link” APP → click “Me” → click blank space beside the portrait → click the QR code icon) to add each other. You can also add each other by searching his/her Q-Link account in “Add Friends”, and it will show your account name and QR code.

Who first scan the robot QR code and confirm on the robot, he/she will be the administrator. And if the robot has an administrator, this time when someone applying for adding the robot as a friend, the administrator will receive the application message on his/her smart phone. He/she can decide whether or not to agree to the application and divide them into groups for easier management.

### 4) Remotely control the robot

"Robot eye" to remotely control robot’s chassis, head ,hands and, sending the facial expression and speech, seeing the robot HD camera picture. Remote switch lights, video recording and camera shooting are used to remotely adjust the volume of the robot. "Smart voice" is used to chat with the robot or send voice commands.

### 5) Remote Voice

Click the bottom of the “Q-Link” APP and choose “Remote voice”:

Click and when it become, it is means the speech recognition state, you can chat with the robot remotely or speak your voice command, like “Sing a song”, then the robot will automatically recognize your command and play music.

### 6) “Chats”

On the “Chats” interface, you can manage your dialogue, receive message of notice or alarm.

### 7) “Life”

On the “life” interface, you can control robot remotely, manage your address list, and download some apps for your robot, etc.

**8) “Devices”**

On the “Devices” interface, you can add robots, add intelligent home devices, modify the robot remarks and view its residual battery capacity, manage friends of the robot (only for admin) , control the robot to take pictures, browse videos in the camera of the robot, enable the protection strategy, control the smart home devices and so on.

**9) “Me”**

On the “Me” interface, you can change your personal information, show your account QR code, manage those photos and videos that you have took and recorded when you use the mobile APP to browse videos of the robot, change the name of added robot and smart home devices, voice chat or video chat with your friends, activate the permission, transfer the administrator, change the login password of each group and edit their operating authorization (only for administrator), view voice command words and APP version.

## 5. About Charging

Open the cover of the adapter compartments and take the adapter out. Connect the power wire in the packing box with the adapter and then put the adapter back to its original position. Collect wires extending from the left side of the adapter and put them into card slot. Put the power wire into the outlet of the right-hand side and put the cover on the adapter compartments.

**Mode one: Auto-charging**

(1) Plug the power wire of the charging pile into the power socket.

(2) Add the charging pile to the robot (no need to add again hereafter).

① Click “My Device” on the touch screen of the robot.

② If you access this interface for the first time, click “Scan QR code to add a device”. If you have added the device, click “Add device”.

③ Scan the QR code on the charging pile.

④ Change the device name (such as “charging pile”) and click “OK”.

⑤ Touch and hold the button on the back of the charging pile until the state of the indicator light of the charging pile blink, this moment you can release the button.

**Attention:** If you release the button before or after the state of the indicator light of the charging pile blink, you will lead to the reset failure.

⑥ Refresh the device list (touch, hold and pull down the device list, or re-access the My Device interface, or restart the robot). The robot connects with the charging pile when the charging pile displays “Connected”.

(3) Click the “Settings” on the touch screen of the robot → Battery → Enable auto-recharge → set a minimum residual battery capacity for auto-recharge.

(4) When the robot is being used, its residual capacity is lesser than the setting value or its charging mode is enabled by clicking “Charge”, the robot will look for charging pile to charge it automatically.

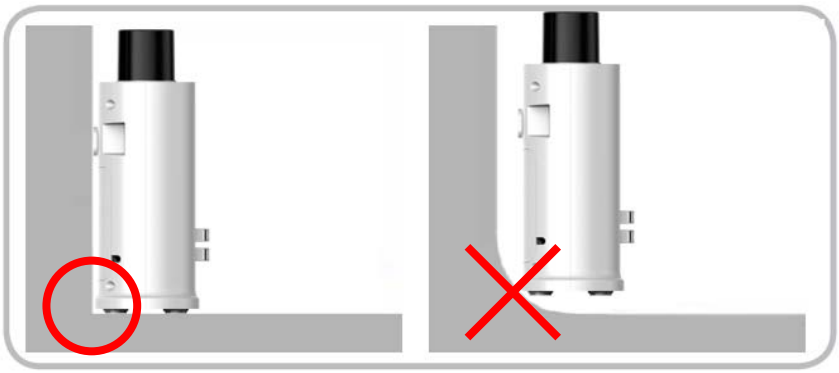
**Mode Two: Manually charging**

Plug the power wire into the power sock. Move the robot and make the charging metal plates on the back of the robot contact with the charging spring strip. Press the emergency rechargeable button on the charging pile.

**Mode Three: Wire charging**

Take out the power adapter in the charging pile. Connect one end to the charging plug on the back of the robot and the other end to the power socket.

**Note:** Let the charging spring strip of the charging pile outward and lean it against a smooth wall. In order not to disturb the robot when it moves, please place the power wire along the wall and make sure there is no barriers, wires, cords, etc. within two to three meters around the charging pile. When it is charging, the indicator light blinks as BLN. When the robot is fully charged, charging pile will be auto closed, and the indicator light will be turned off. Infrared signals from the charging pile can be opened and projected only when the robot is searching for the charging pile. When the robot finds the charging pile away from it about 50cm, the charging spring strip is only electrified with 19V which is within safety limits. You and your family member can rest assured.



**********

Our company will regularly improve and update the manual with the improvement or change of the product. Updated contents will be added into the new edition of this manual without further notice. If you have any questions or need anything, please contact our customer service or the technical support department of our company. We will provide you effective and efficient, professional and dedicated service.

**********

**FCC Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

**FCC Warning**

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 1: This equipment 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 equipment 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 equipment 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.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.