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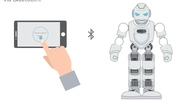
UBTECH ROBOTICS CORP.
www.ubtrobot.com
400-6666-700

封底

05 Let's get started

Step 3. Connect Alpha via the app in your mobile phone

After the robot is powered on, open the "Alpha 1E" APP, follow the steps to sign in, and then establish connection with the robot via Bluetooth.



On the Connect interface, select the Wi-Fi you will use to connect to the robot.
After connecting, you can explore various features of the Alpha 1E on the homepage



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06 Features of Alpha

Feature 1: Offline smart talk

After being woken up and connected, Alpha will begin to respond to you only when you say: "Attention, Alpha".
You can give voice instructions to the robot or simply chat with it

[Attention, Alpha]

Listen to me	Dance for me
Show time	Start Tai Chi
Start yoga	Talk with me
Tell a story	Leave me alone

Feature 2: Logic programming

* Alpha programming courses cover loads of programming content
- Link with the robot to allow you to expand the limitations of your imagination
* Detailed courses with vivid explanations to make complex concepts easy to understand
* Play to learn with exciting courses



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06 Features of Alpha

Feature 3: Action design, community-sharing

* Simple and intuitive action editing & learning + PRP action readback
- Work with your hands, watch with your eyes, and let your brain storm
* Think imaginatively and quickly master skills while playing
- Enriching community activities. Share, compete, inspire



Feature 4: Sensors

* A slot set on the chest, scalable, with multiple external sensors supported, choose the one you wish to use
- Temperature sensor, humidity sensor, and color sensor
* Centralized control module, more sensors to be explored

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07 Introductions to Robot Components

Controller
The controller is the brain of Alpha and can control all joints to act harmoniously and consistently. The controller applies man-machine interaction via the control panel where an external power port, a program download port and an ON/OFF/Posture Reset button are located.

Servos
Servos are equivalent to our body joints and are key to the robot's movement. Servos are capable of feeding back the moment, current, temperature, angle and other information according to the instructions from the controller, and can also precisely and quickly respond to a control instruction to reach the specified angle.

Sensor
IR distance sensor, acceleration sensor, gyroscope, touch breakin sensor

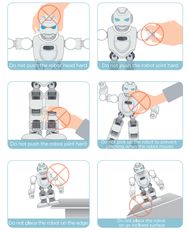
Battery
A dedicated high-rate lithium ion battery located on the back, with a built-in overcharge and overdischarge protection circuit.

Charge
It is recommended to fully charge the robot before use. Connect one end of an adapter to the charge port marked with " ⎓ 9.6V ⎓ 4A " and the other end to 100V-240V AC. If the charge indicator is red, the robot is being charged. The indicator changes to green after fully charging. Please unplug the adapter to stop charging.

Supplied charger
- Built-in 7.2V battery, removable and interchangeable
- Regularly check whether charger components are damaged.
- Stop using if you notice any damage.

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08 Examples of Improper Use ⚠



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09 FAQs

Q: How long does charging take and how long can the robot run after one full charge?
A: The charging may take 1.5 hours. The battery can be used for about 4 hours in standby mode and about 2 hours in active mode (when the robot is moving).

Q: Why does the app occasionally fail to find the robot when trying to connect to the robot?
A: Please restart the robot or enable the Bluetooth of your mobile device again. For Android mobile device users, please make sure location permissions of the device are enabled.

Q: What should I do when the robot fails to be connected to my mobile device?
A: Restart the app on your mobile device and then restart the robot.

Q: Can the robot work properly when the network is unavailable?
A: You can use such functions as talking to the robot, making up actions and programming, but robot updates or downloading resources from the Community can only be done when the robot is connected to the Internet.

Q: Can I add a new action to the robot?
A: Yes, you can. Go to the Community to download actions, or you can make up a new action on the Actions section of the App.

Q: How do I update the robot?
A: For a better user experience, the robot will undergo regular updates. It is recommended to enable "Auto Update" mode in your app. You can view this mode by clicking the robot icon on the "Homepage" after the robot is connected the App. Once "Auto Update" mode is enabled, the robot will automatically download the updates when connected to the Internet and give a voice prompt. Please wait a moment". Please do not operate the robot or power it ON/OFF while it is updating.

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09 FAQs

Q: Why does the robot occasionally lose balance when dancing or moving?
A: The robot's offset has changed. You can contact our customer service and return the robot for repair.

Q: How do I check whether the robot is properly connected to the app?
A: If connection is successful, the app will give you a prompt and the robot will also give you an audio cue.

Q: Why do some servos (joints of the robot) fail to work properly or why are they loose after the robot is started or reset?
A: Maybe battery level is low. Please check its battery level. Shut the robot down and recharge it if the battery is low. If the problem persists, a servo cable may be loose or short-circuited. Please check whether the servo cable is properly connected or worn-out. Please contact our customer service and return the robot for repair if the servo is humming.

Q: Why does the robot only plays music but not move after I ask it to dance or move?
A: Check whether the servo connection cables are loose or not connected properly.

Q: Why does the robot fail to execute the actions or programs scripts downloaded from the Community?
A: There may be a problem with the scripts. The battery may be low. Or a servo cable may be loose or short-circuited (please check whether the cables are properly connected or worn-out).

Q: Why is some part of the robot humming?
A: There may be an issue with the servo. Please contact our customer service and return the robot for repair.

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09 FAQs

Q: Why do I still fail to start the robot after it has been charged for a long time?
A: Please make sure that the supplied power adapter is used for charging. If the problem persists, please contact our customer service.

Q: Why are the servo LED lights on a certain location of the robot off?
A: Please check whether the servo cable on the faulty portion is properly connected.

Q: Why does the charging indicator flash when the robot is being charged?
A: Normally the charging indicator on the back of the robot is red when the robot is being charged and green when it's fully charged. If the indicator flashes, there might be a charging error. Please contact our customer service and return the robot for repair.

Q: Why I cannot control the robot through the PC software or download contents to the robot after it is connected to my PC?
A: Maybe the USB cable of the robot is improperly connected to the port. Re-connect it or use another USB cable. Or maybe the robot system has encountered an error. Restart the robot and try again. Or the battery is low. Please recharge it.

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ALPHA 1E

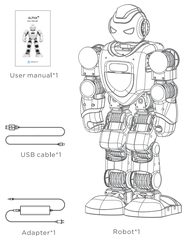
User Manual



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封面

01 Packing List



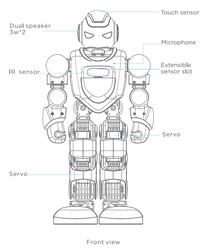
P1

02 Product Parameters

Dimensions: H401 × W208 × T124 (mm)
Weight: about 1.79kg
Servo: 16 degrees of freedom
Operating temperature: 0℃ to 40℃(34℉ to 104℉)
Battery: lithium-based 2500mAh 7.2V, 0.5A
Adapter:
Input: 100V-240V, 40/60Hz 1.5A
Output: DC 9.6V ⎓ 4A
Speaker: 4Ω/3W, two-channel stereo
Microphone: analog microphone, single
Light effects: power indicator(red and blue LED lights)
/Head:Bluetooth RGB, LED light)
Sensor: IR sensor, acceleration sensor, gyroscope, touch break-in sensor

P2

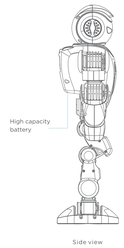
03 Appearance



Front view

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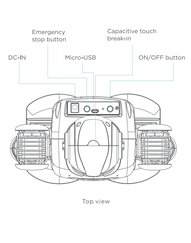
03 Appearance



Side view

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03 Appearance



Top view

P5

04 Notes

Hello! Please read the User Manual carefully before using the Alpha Ebot.
1.This product is not intended for children under 14 years of age;
2.Please fully charge the robot before use;
3.A charger is not a toy. Please use the supplied charger for charging the robot;
4.Keep the robot away from fire and keep it dry and clean;
5.Please use the robot on a flat surface;
6.Maintain an appropriate distance from the robot while it is in operation to avoid injuries;
7.After the robot starts and stands up or is in operation, do not forcefully bend its joints as to avoid hand injuries and damage to the machine;
8.The robot joints and inner shell are precisely designed and should not be disassembled without authorization as you may not be able to reinstall them;
9.Do not use the robot at heights as it may fall off any edges;
10.It is best to use the robot for no longer than 1 hour each time, which will extend the service life of the servo.

IMMEDIATELY CUT OFF THE POWER AND CONTACT US WHEN:
1. The robot smokes and you smell something burning;
2. Water or any other foreign matter enters the robot;
3. The robot is damaged.

The User Manual contains important information. Please keep it well for future reference!

! ATTENTION
For safety reasons, please do not play with the robot while charging!

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05 Let's get started

Step 1. Download the app to connect Alpha

Method 1: scan the QR code on the picture and then download and install the app



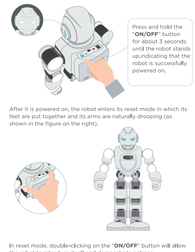
Method 2: search "Alpha 1E" in the App Store or Google Play, and then download and install it



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05 Let's get started

Step 2. Power the robot on



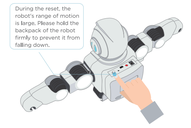
After it is powered on, the robot enters its reset mode in which its feet are put together and its arms are naturally drooping (as shown in the figure on the right).



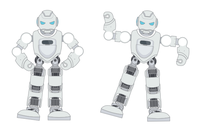
In reset mode, double-clicking on the "ON/OFF" button will allow the robot to introduce itself and demonstrate actions.

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05 Let's get started



Action demonstration:



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105克雪铜
四色印刷
风琴折
成品84*133mm
公差：±0.5mm

UBTECH Dream With Robot

物料编号：
1.4.1.02.0055_阿尔法1E说明书-英文版

比例	1:1	日期	材料	见图纸
设计	叶长飞	2018-06-27	项目名称	**Alpha 1E**
核对	都秀丽		版本	V1.0
批准			Mould No.	
公差范围	见图纸		Version	
单位		不 要 缩 放 这 张 图		