TBZ·AIBOT

AIBOT 2
AI humanoid robot
Instruction manual
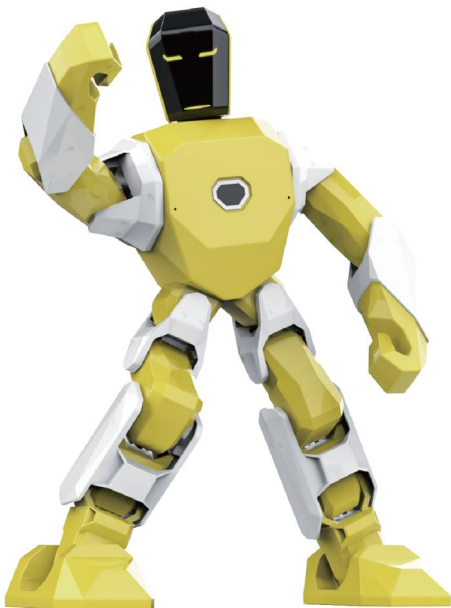
Knowing AIBOT2
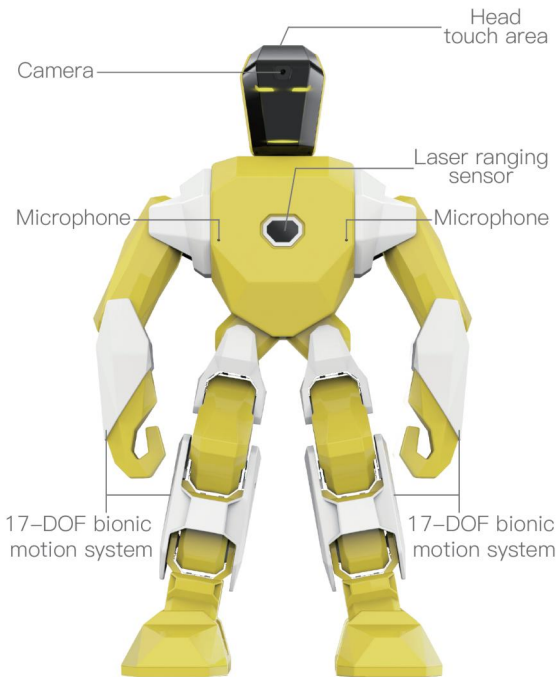
Head touch area

Camera

Laser ranging sensor

Microphone

Microphone

17-DOF bionic motion system

17-DOF bionic motion system

Loudspeake

Charging
indicator light

ON/OFF
Switch

USB
(PC)

USB
(Sensor)

Charging
port
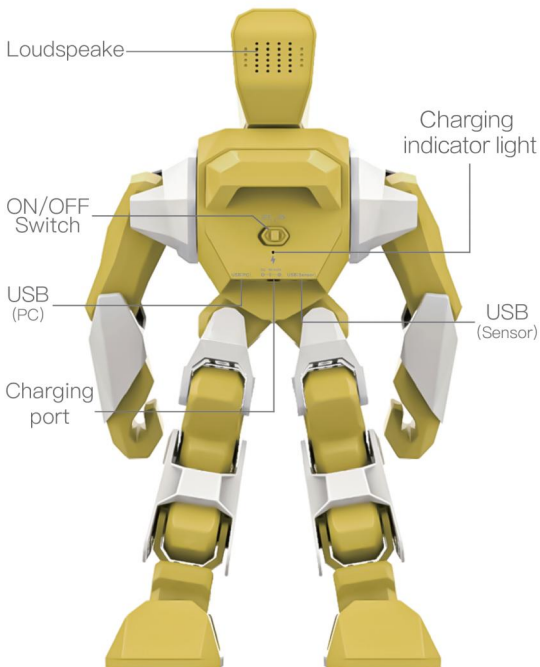
Basic parameters

Product name: AIOBT2 AI humanoid robot

Product model: R12E

Power input: 9V⎓2A

Body material: Environmentally friendly plastic+Metal

Movement mode: Intelligent servo control system

Battery: Polymer power battery

Speaker: High fidelity speaker

Camera: Wide angle camera

Operation mode: voice, touch, APP, Bluetooth connection

USB interface: mirco interface, Type-C interface

Working temperature: 0℃~40℃

Working humidity：＜90%

Function Description

Voice interaction

Say "Hey Robot" to enter voice interaction mode; When you hear AIBOT2 prompt sound: 'I'm here', you can interact with AIBOT2 voice through the following voice commands.

Hello   Roll forward   Crawling forward

I love you   Roll backward   Turn Right

Come here   Turn left   Move backward

Make a split / Splits   Move forward

Side kick / Side kick left / Side kick right

Sing a song   Turn Back   Left hook

Spacewalk   Shake head   Right hook

Do push-ups / One arm push up / Push up

Show time / Dance / Dancing   Do stunts

Tell a story   I hate you / I don't like you

Go away / Get lost / Beat it   Fist salute

Touching AIBOT2 head and saying "goodbye, no more chatting, stop talking" can both exit the voice interaction mode.

Notices:
1. AIBOT2 can only understand your instructions when in a stationary and quiet environment. It is normal for recognition commands to fail due to environmental noise or speech sounds;
2、AIBOT2 cannot perform voice interaction in special states such as progamming, multi machine group show.

Charging instructions

Charging must be done through the 9V ⎓ 2A charger provided by AIBOT2; The indicator light shows red when charging and green when fully charged.

Idle sleep

Idle without any operation, it will play an idle prompt sound and automatically enter sleep mode after 8 minutes. It needs to be restarted to wake up.

The App

Download

Scan the "AIBOT2 App Download QR Code" below to download. After successful installation, the app needs to obtain the mobile Bluetooth and location permission.

Bluetooth connection

1. Turn on AIBOT2 and start the AIBOT2 App;
2. Open Bluetooth and location permissions on the phone;
3. Click on Bluetooth connection on the app homepage, and the app will automatically search for the Bluetooth signal of AIBOT2;
4. Select the AIBOT2 that needs to be connected and click to start connecting.
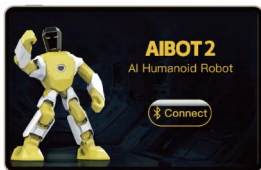
Click the connect button

Bluetooth connection interface

Access to this interface after connection

Can Qr code download App

Group show

Simply connect and control a AIBOT2 host to connect all slaves within a radius of 10 meters around it,thus achieving a group performance of multiple machines acting in unison.

Operation Steps:

a: Slave mode setting (AIBOT2 controlled by the host)

1. Open the app and the connection will be treated as the AIBIT2 of the slave;

2. Enter the group show interface,click ❸ to indicate that the slave mode of the AIBOT2 has been turned on (click again to turn it off)；

3. Complete the setup and exit the app;

4. All slaves must repeat the above three steps.

❶ Editing area

❷ Command box

❸ Slave mode switch

❹ Host mode switch

❺ Delete

❻ Start/Pause

*If you only need one AIBOT2 performance, turn off the host mode;
Only one host can exist within the control range,
otherwise it will cause chaos in the performance of AIBOT2.

b: Host Mode Settings (Set AOBOT2 for performance actions)

1. Open the app and connect to AIBOT2, which will be treated as the host;
2. Enter the Group show interface;
3. Click ④ to turn on the host mode(click again to close). After the host mode is turned on, all nearby AIBOT2 devices that have turned on slave mode will be automatically connected and a voice message will be played saying "Enter group performance slave mode";
4. Click on the command icon in ❷ , and the icon will be automatically added to the editing area;
5. Click ⑥ to start the group performance.

- ❶ Editing area
- ❷ Command box
- ③ Slave mode switch
- ④ Host mode switch
- ⑤ Delete
- ⑥ Start/Pause

Group Show

*If you only need one AIBOT2 performance, turn off the host mode;
Only one host can exist within the control range,
otherwise it will cause chaos in the performance of AIBOT2.

Setting

In the settings, you can adjust the volume, check battery level, contact customer service, view frequently asked questions, learn about us, provide feedback, control the voice wake-up function, and toggle the slave mode and dance-to-music function.

Notices

When using AIBOT2, it is necessary to be accompanied by an adult;

· Please run AIBOT2 on a spacious and flat surface;

· It is recommended that users of this product are aged 14 and above;

· AIBOT2 continuous use may cause heating, which is a normal phenomenon;

· AIBOT2 joints may be tangled with debris (such as hair, lines, etc.) or stained with dust, slippery objects (such as grease, etc.), which need to be cleaned in a timely manner;

· To ensure the optimal service life of the servo, it is recommended to use AIBOT2 for no more than 1 hour per use;

· When AIBOT2 experiences abnormal situations, please immediately cut off the power to prevent injury or damage to Abbott;

· Do not forcefully squeeze, twist, or pull AIBOT2 head and joints to prevent Being pinched or d amaged AIBOT2;

· Do not place AIBOT2 at high places, edges, or inclined surfaces to prevent injury or damage from AIBOT2 falling;

· Do not allow children or pets to bite the robot or its accessories, in order to avoid injury or malfunction of the AIBOT2;

- AIBOT2 and its accessories contain precision electronic components and should not be used in water or excessively humid environments to avoid affecting normal use;
- Do not place AIBOT2 near heat sources or exposed sources of fire, such as electric heaters, ovens, stoves, candles, or other places that generate high temperatures;
- Please do not forcefully open AIBOT2 to prevent small internal components from being swallowed by children. The built-in battery cannot be disassembled or replaced;
- Do not use AIBOT2 under strong radio waves and magnetic fields;
- After the AIBOT2 plays a low battery prompt sound, please charge it in a timely manner to avoid any abnormal phenomena;
- Please use the charger provided by AIBOT2 for charging. For your and your child's safety, we have also implemented charging protection measures. Please do not use AIBOT2 while charging as it must be operated by an adult;
- The charger must be checked for damage to the wires, plugs, casing, and other components before use or regularly. If damage is found, it should be stopped from use;

· In places where there are explicit regulations prohibiting the use of wireless devices, please do not use AIBOT2, otherwise it may interfere with other electronic devices or cause other dangers;

· The interpretation right of this manual belongs to our company within the scope permitted by law, and any changes are subject to change without prior notice.

FAQ

1. Unable to power on
・Maybe AIBOT2 ran out of battery, try to power it on again after recharging it.

2. Unable to charge
・Is there a charging indicator light on during charging? If it doesn't light up, you can try replacing the charging adapter;
・Check if the charging interface of the robot is abnormal, and if it is damaged, it needs to be repaired.

3. Abnormal functionality during use
・Robots, like computers or mobile phones, have probabilistic functional abnormalities and can be attempted to be turned on or off again.

4. Poor recognition performance when using voice interaction function
・The recognition effect is poor, which may be due to the noisy surrounding environment. You can try changing to a quieter environment.

5. When pushing audio through Bluetooth on a mobile phone, there is a stuttering sound
・If the distance between the mobile phone and the robot is too far or there are many obstacles, you can try to open up a nearby area.

6. The sound of incoming phone calls is played on the AIBOT2 host, and receiving messages on the phone will interrupt what AIBOT2 is playing

·AIBOT2 has connected to his phone's Bluetooth, which is a normal phenomenon. If this function is not needed, please manually disconnect AIBOT2 from the phone's Bluetooth connection.

7. AIBOT2 has abnormal contact with the sensor base

·If Abbott causes the sensor base to loosen from the connecting wire or sensor due to collision, fall, or other factors, please unplug the connecting wire or sensor and reconnect it;

·Check if there are any abnormalities in the interface of AIBOT2, sensor base, sensor, and connecting wire. If there is any damage, it needs to be repaired.

The name and content of harmful substances in this product

Part name	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Shell and metal parts	O	O	O	O	O	O
PCB board and components	X	O	O	O	O	O
Data line	O	O	O	O	O	O
Battery	O	O	O	O	O	O
speaker	O	O	O	O	O	O
Silica gel	O	O	O	O	O	O

This table is prepared in accordance with the provisions of SJ/T 11364.

O: The content of the hazardous substance in all homogeneous materials of the component is below the limit requirements specified in GB/T 26572.

X: Indicates that the content of the hazardous substance in at least one homogeneous material of the component exceeds the limit requirements specified in GB/T 26572.

Note: The components marked with "X" in the table cannot be fully lead–free due to current limitations in industry technological development.

The numbers in the logo represent the service life of the product under normal service conditions.

FCC Statement

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.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example– use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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.

FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environ–ment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.
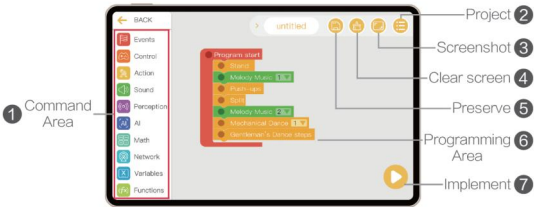
Remote control

Control AIBOT2 movement and action performance through the app, achieving dynamic remote control function.

On the left, control AIBOT2 movement, and on the right, select action commands or switch action modes.

Programming

Using AIBOT2 graphical programming software, writing programs is as simple as building blocks. By dragging and stacking the program, AIBOT2 can be controlled, allowing even children with zero foundation to experience the joy of programming.