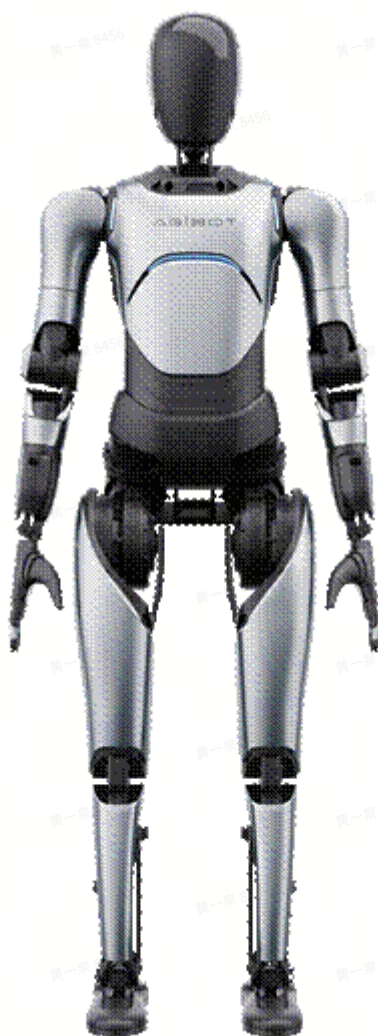


[External]A2旗舰款说明书

Original instructions

A2 Product Manual



**This manual is for reference only.
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A2 Product Manual

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Foreword

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING A2

Thank you for purchasing the general-purpose robot A2 (hereinafter referred to as A2, the product or equipment). This product is developed by Shanghai Zhiyuan Innovation Technology Co., LTD. (hereinafter referred to as our company) for general-purpose applications.

Before operation and maintenance of the equipment, please read the instructions in this manual carefully, and strictly follow the instructions. If you have any comments and suggestions, please contact us in time. We will provide you with warm and efficient service!

The specific operation in different versions may be different, this manual is only for end-user's reference. Our company reserves the right to modify and interpret this manual.

CAUTION Read the instructions before using the machine.

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Shanghai Zhiyuan Innovation Technology Co., Ltd.

8/F, Building 29, No.2555 Xiupu Road, Pudong New Area, Shanghai 200120, China

1. Safety Protection Measures

1.1 Safety Guide

In order to ensure safety, please comply with the following regulations when operating and maintaining the A2:

1.1.1 WARNING: Do not operate the robot

1. Unless you have received professional training or been authorized by the manufacturer/distributor.
2. Unless you have read and fully understood the user manual.
3. Unless you are physically and mentally able to operate the machine properly according to the user manual.
4. If the machine doesn't meet the working conditions, such as charging or changing battery.
5. If the machine is installed with unauthorized accessories, it may cause the machine to work abnormally.
6. Do not use the machine in an unsuitable environment, on the floor with unsuitable material, or where there is a risk of falling objects. If you have any questions, please contact after-sales technician.

7. Operators shall be adequately instructed on the use of these machines.
8. The operation of this machine is strictly reserved to trained and qualified operators.
9. This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.
10. This machine is only used in a confined zone. The zone is intended to prevent access of persons. Physical fences must be used.
11. **WARNING** Risk of personal injury. Sensors and controls shall only be serviced by a skilled person.

1.1.2 Before turning on the robot:

1. Check there is enough battery to complete the task.
2. Check the work area is free of people or other obstacles, especially near its moving parts.
3. Check the components of the machine are in good condition.
4. Check whether the emergency button is working properly.

1.1.3 Precautions during manual operation of the robot:

1. Maintain a safe distance ($\geq 1.5\text{m} \sim 2\text{m}$) from the robot's working range to avoid accidental collisions. Especially when the robot performs high-speed actions, do not stand near the movement path.
2. Strictly adhere to the robot's designed load limits to avoid overloading.
3. When using the robot's actuators, grippers, or other components, ensure they match the objects to be operated to avoid unnecessary pressure and stress.
4. During robot operation, direct intervention in its actions is prohibited. If adjustments or manual intervention are needed, ensure the robot is completely stopped and powered off.
5. If using the robot's remote operation function, ensure a secure network environment to prevent control errors due to network failure or external intrusion.
6. During remote control, the operator should monitor the equipment in real-time to ensure full awareness of the robot and surrounding environment.
7. Ensure the robot is not used in any improper, dangerous, or legally prohibited scenarios.
8. In emergencies, use the remote emergency-stop to stop the robot. Ensure the remote emergency-stop is always within reach. Note that after using the emergency stop, the robot's joints will enter a damped collapse state. Do not use it in non-emergency situations or when the robot is not protected.
9. Report for repair in time when the machine malfunctions.

1.1.4 When the task is complete:

1. Make sure to power off except for charging.
2. Please store the machine in the designated location and be careful not to put the machine on the slope.

1.1.5 WARNING: Ensure the power is completely turned off when doing maintenance

1. Use the spare parts specified by the manufacturer for replacement.
2. Do not disassemble the machine on your own, and contact the professional repair personnel designated by the manufacturer if repairs are required.
3. Please do not modify the machine by changing its original design or configuration. Any modification to the machine requires manufacturer authorization.

1.1.6 When transferring the robot:

1. Power off when transferring the machine. Do not touch the laser and other sensors directly, otherwise it will affect performance.
2. If you want to transport the machine by vehicle, please use packing belts, boxes, wooden plates, foam, etc., to pack and protect the machine, so as to avoid unnecessary damage.
3. Caution: risk of crushing the body.
4. Caution: protective equipment is necessary when transferring the robot.

1.1.7 When the robot is not been used for a long time:

1. Store the machine at a temperature of -20~70°C.
2. The machine needs to be fully charged at least once every 60 days, otherwise the battery life will directly be affected.
3. If the user does not use the machine for more than one week, please ensure that the machine's power is not less than 60% before shutdown, and turn off the main power switch.

1.2 Precautions for Use

1. Ensure the robot is used in a flat surface (slope $\leq 2\%$), avoiding extreme temperatures, humidity, steep slopes, uneven surfaces, fragile planes, and vibrating areas.
2. Ensure the robot has sufficient operating space, avoiding narrow or crowded environments to reduce the risk of collisions and crushing.
3. The robot operating area must be physically separated from spectator areas by safety barriers.

4. Strictly adhere to the robot's designed load limits to avoid overloading.
5. When using the robot's actuators, grippers, or other components, ensure they match the objects to be operated to avoid unnecessary pressure and stress.
6. During robot operation, direct intervention in its actions is prohibited. If adjustments or manual intervention are needed, ensure the robot is completely stopped and powered off.
7. If using the robot's remote operation function, ensure a secure network environment to prevent control errors due to network failure or external intrusion.
8. During remote control, the operator should monitor the equipment in real-time to ensure full awareness of the robot and surrounding environment.
9. Ensure the robot is not used in any improper, dangerous, or legally prohibited scenarios.
10. Do not charge the battery if the battery is removed from this machine.
11. In emergencies, use the remote emergency-stop to stop the robot. Ensure the remote emergency-stop is always within reach. Note that after using the emergency stop, the robot's joints will enter a damped collapse state. Do not use it in non-emergency situations or when the robot is not protected.
12. Report for repair in time when the machine malfunctions.
13. CAUTION: this machine is for indoor use only.
14. WARNING: to reduce the risk of fire, electric shock, or injury, do not use this machine in outdoor environments.
15. CAUTION: this machine shall be stored indoors only.
16. Using this machine as a toy is strictly prohibited. Extra attention is required when used by or near children.
17. Use only as described in this manual. Use only attachments recommended by the manufacturer.
18. Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1.3 Maintenance and Management Guidelines

Robot

1. Perform regular maintenance as recommended by Zhiyuan to ensure the robot is always in optimal working condition.
2. If the robot malfunctions during operation, stop immediately and notify professional technicians for inspection and repair.
3. Do not disassemble or repair the robot while it is running.

4. If the robot uses a battery, ensure it is charged in a safe, dry environment.
5. Avoid connecting the robot to power for extended periods to prevent overcharging or overheating.
6. Software Updates: Ensure the robot's operating system and control software are regularly updated to prevent vulnerabilities and security risks.
7. This appliance contains batteries that are only replaceable by skilled persons.
8. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
9. **WARNING: For the purposes of recharging the battery, only use the detachable supply unit UY600L-W546080 provided with this appliance.**
10. Do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
11. The battery shall be removed from the appliance before it is scrapped; the battery shall be disposed of safely.

2. Product Overview

2.1 Product Introduction

A2 is an intelligent general-purpose robot designed for various of tasks. A2 has a variety of abilities such as navigation, operation, identification and interaction. The robot is equipped with multiple sensors. Employing LiDAR-based simultaneous localization and mapping (SLAM), which allows the robot to operate in polymorphic indoor environments.

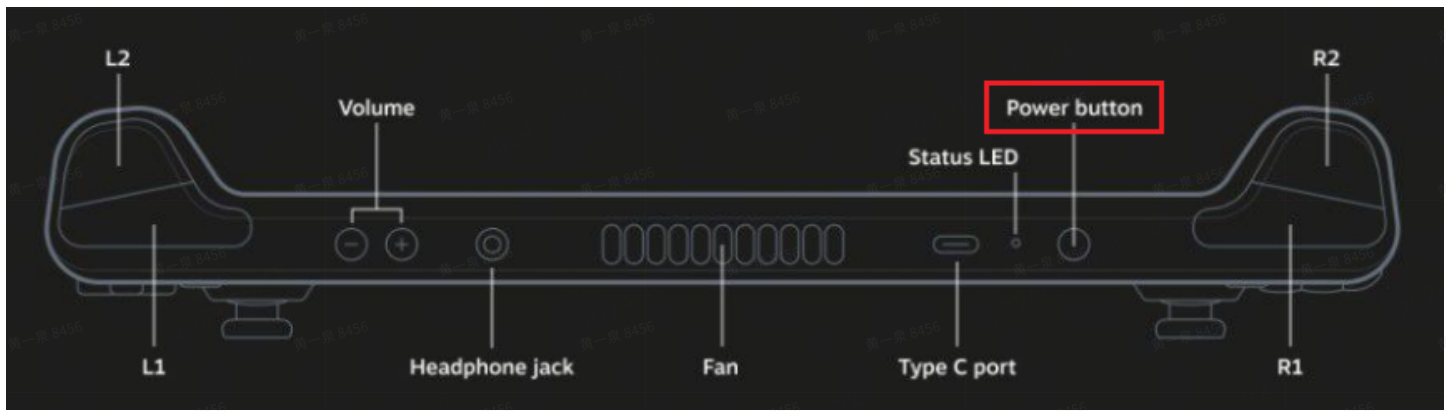
This machine complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

3. Quick Start Guide

I. Startup

Step 1: Open Client AimMaster

Open the official controller, the power button of the controller is located at the top. Long press the power button until the white light next to the power button lights up. After the controller is turned on, it will automatically open AimMaster and enter the robot startup wizard.



Controller power button

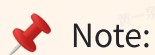
Select "AgiBot A2" in the robot type selection interface, enter the "AgiBot A2" boot wizard, and gradually complete the robot boot operation according to the prompts of the boot wizard.



Startup wizard

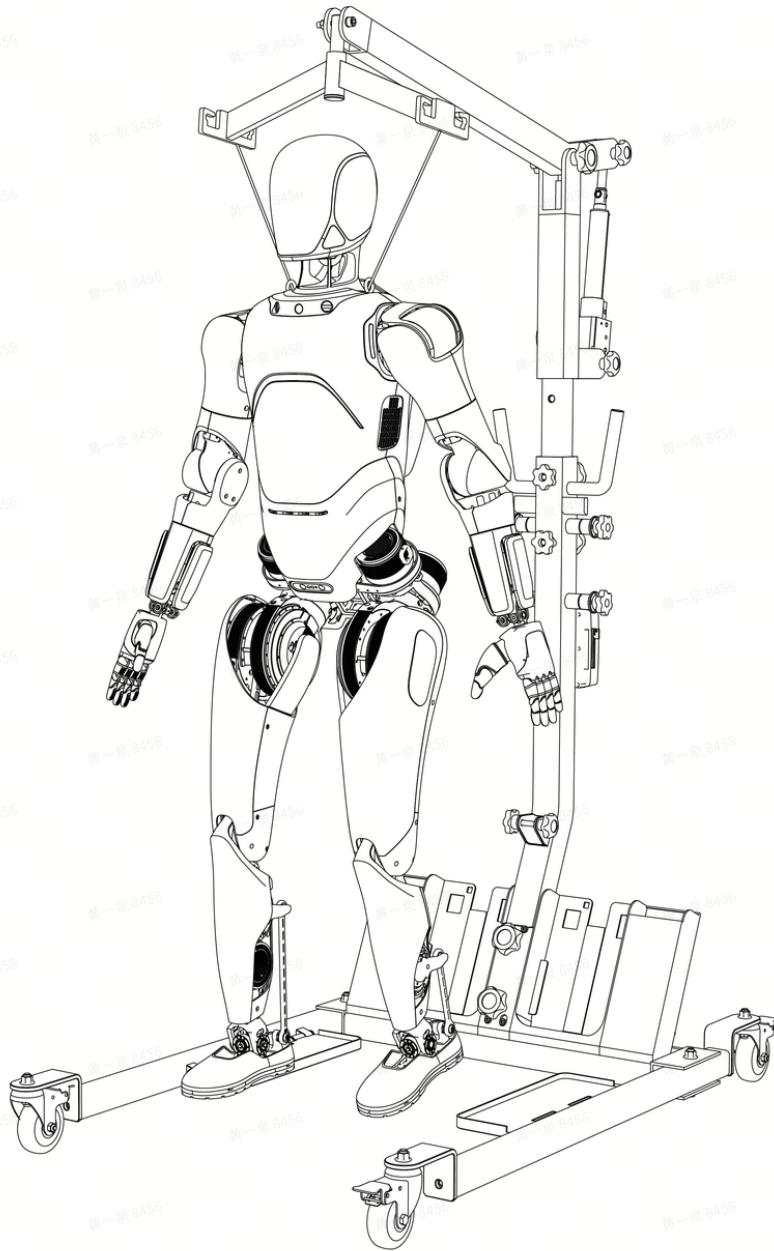
Step 2: Lift the robot

Before starting the robot, it needs to be lifted. The robot is connected to the hook on the top of the electric shifter through the lifting ring and cable on the shoulder. Manually operate the electric shifter to lift the robot to the position shown in the figure, ensuring that the robot's **feet are completely off the ground**.



Note:

1. The lifting rings installed on the robot's shoulders must be securely fastened to prevent the robot from falling due to loosening of the rings.
2. Both shoulder lifting rings must be connected before lifting the robot to prevent swaying during hoisting operations.
3. During the process of moving and lifting robots, please be careful not to squeeze or hit dexterous hands.



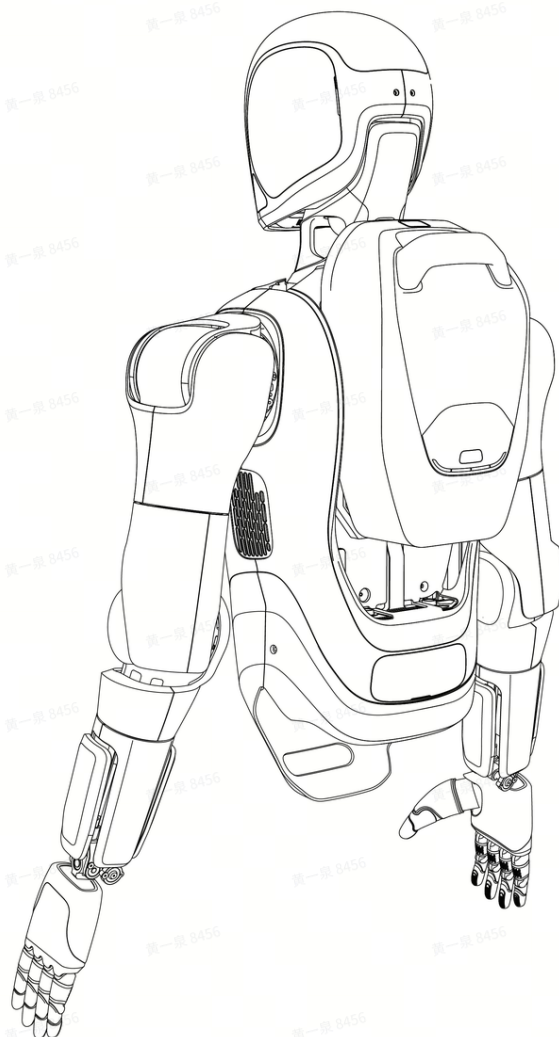
Lift the robot

After lifting the robot, click "Next" on the AimMaster interface.

Step 3: Install the battery and turn on the robot

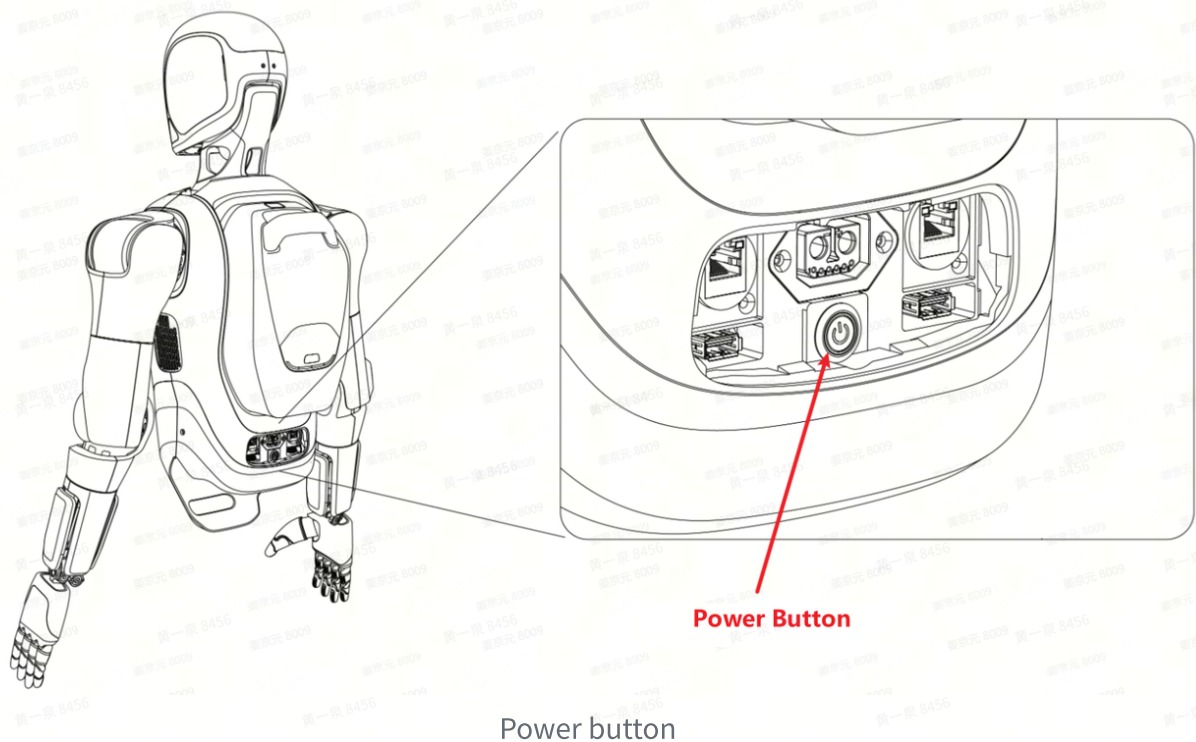
The battery of the robot is installed on the back of the robot. Confirm that the battery is fully charged and slide the battery from top to bottom into the battery slot on the back of the robot

for installation. When the battery slides to the bottom, a "click" sound will be heard to indicate that the battery is installed in place.



Install the battery

Press the power button on the back of the robot waist to turn it on. When the robot power is connected, the power button will light up.



Power button

After the robot is turned on, click "Next" on the AimMaster interface.

Step 4: Wireless emergency stop

Upon receiving the emergency stop remote control, it defaults to the released state, with the motor powered and operating normally.

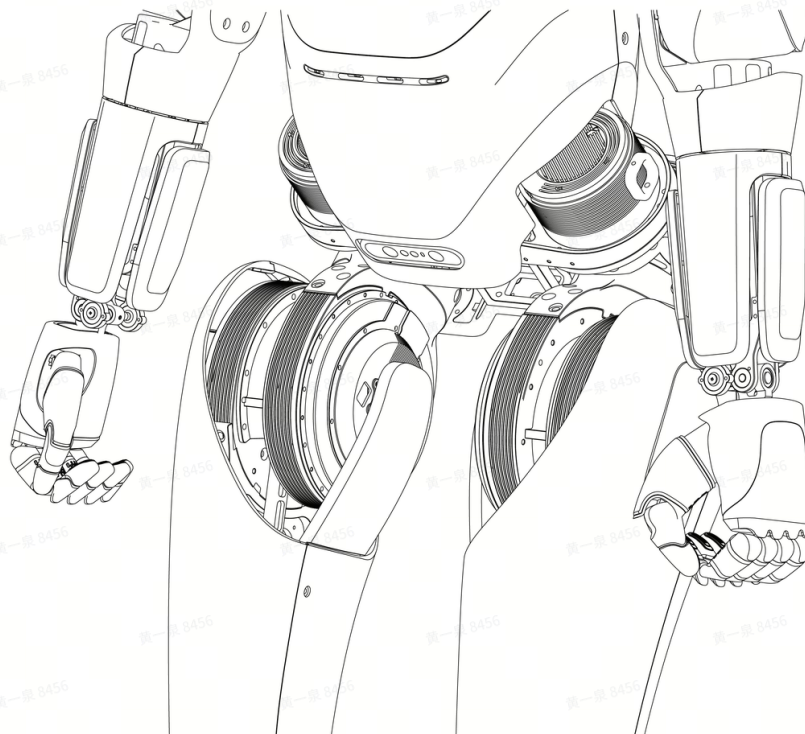
In case of a machine abnormality, pressing the remote's button immediately cuts off the motor's power, halting the machine for safety. After resolving the issue, rotating the button back to the released state restores power to the motor, allowing it to resume operation.

Note:

1. The emergency stop remote is pre-paired at the factory and ready to use out of the box. It defaults to the released state, allowing the motor to receive power.
2. The remote features a dual-channel design, typically using channel 1 to control the motor's power on and off. If channel 1 fails, it automatically switches to channel 2, which can only cut power, not restore it.



During the robot joint self-inspection process, the robot's neck will rotate in a small area, and the wrists and fingers will swing to zero. After zero correction is completed, the robot's wrists will return to a vertical state and make fists with both hands.

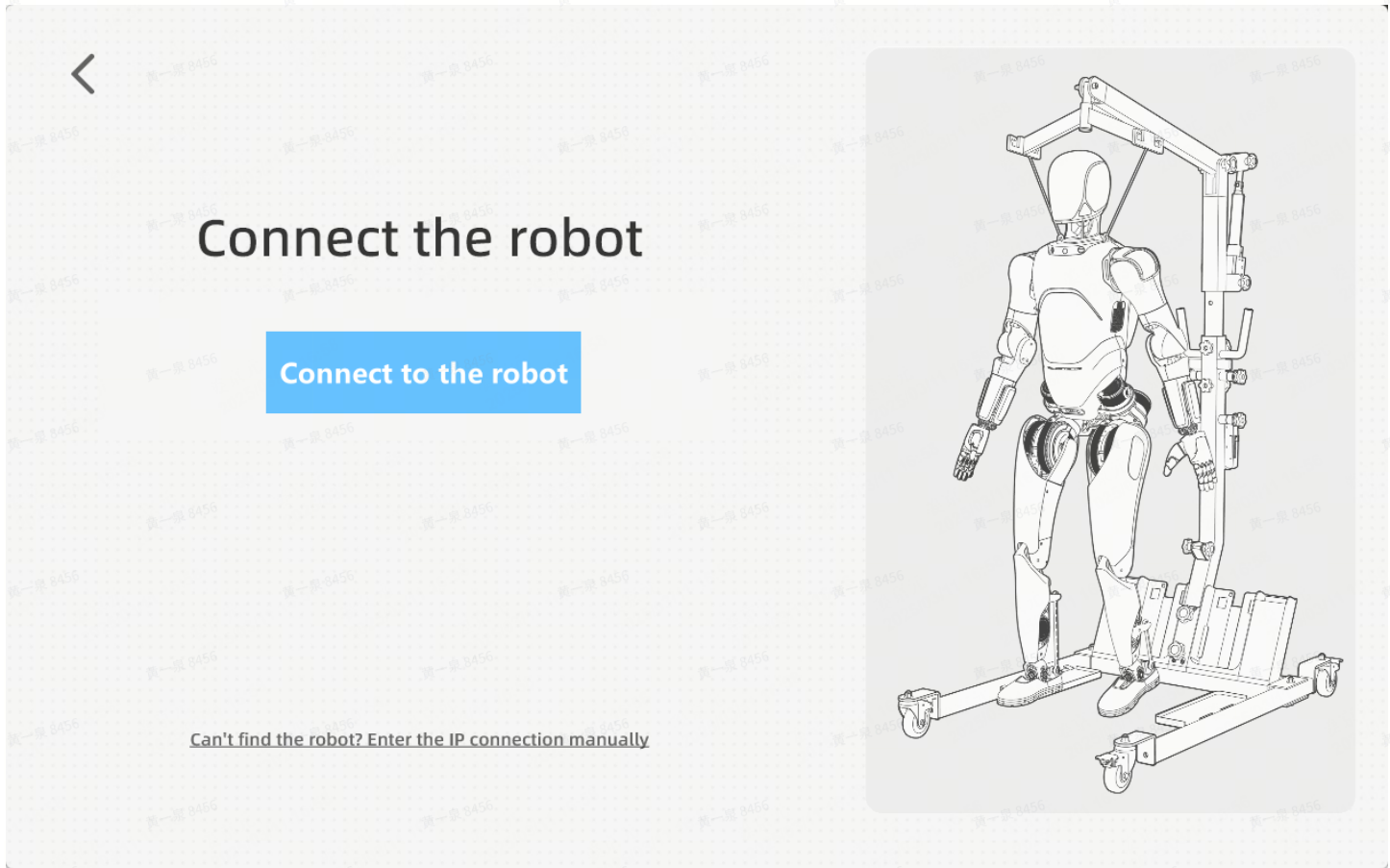


Self-inspection complete

After the robot joint self-inspection is completed, click "Next" on the AimMaster interface.

Step 5: Connect the robot

Click the "One-click Connect to Robot" button to establish a connection between the wireless controller and the robot. Before Use: For enhanced security, we recommend changing the default password (02270227) upon first use to prevent unauthorized device connections.



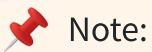
Connect to the robot

After the robot is successfully connected, the AimMaster interface will display the words "Connection Successful", click "Next".

Step 6: Switch standing posture

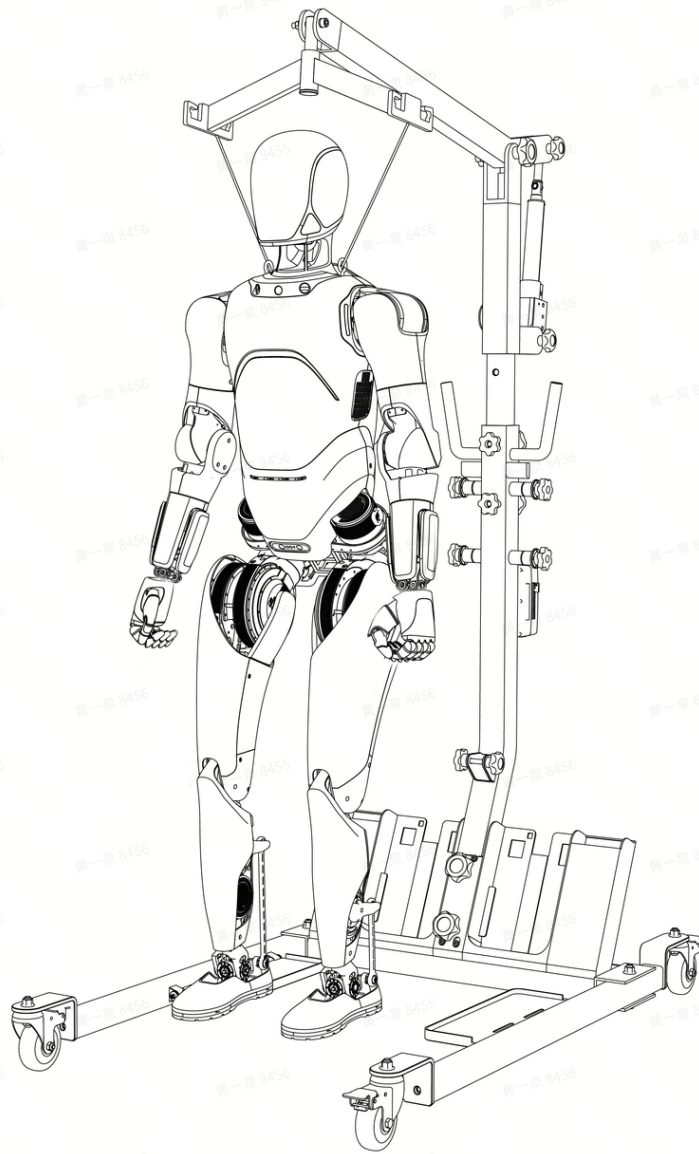
Before the robot stands, it needs to be switched to the ready standing posture in the suspended state. Click the "Switch Standing Posture" button, and the robot will automatically adjust the position of the head, arms, and legs to the ready standing posture.

Preparing to stand, the robot bends its arms slightly, wrists parallel to the forearms, legs slightly bent, and soles roughly parallel to the ground.



Note:

During the process of switching positions, the robot joints will move. Please stay away from the robot and ensure that there is sufficient space around the robot.

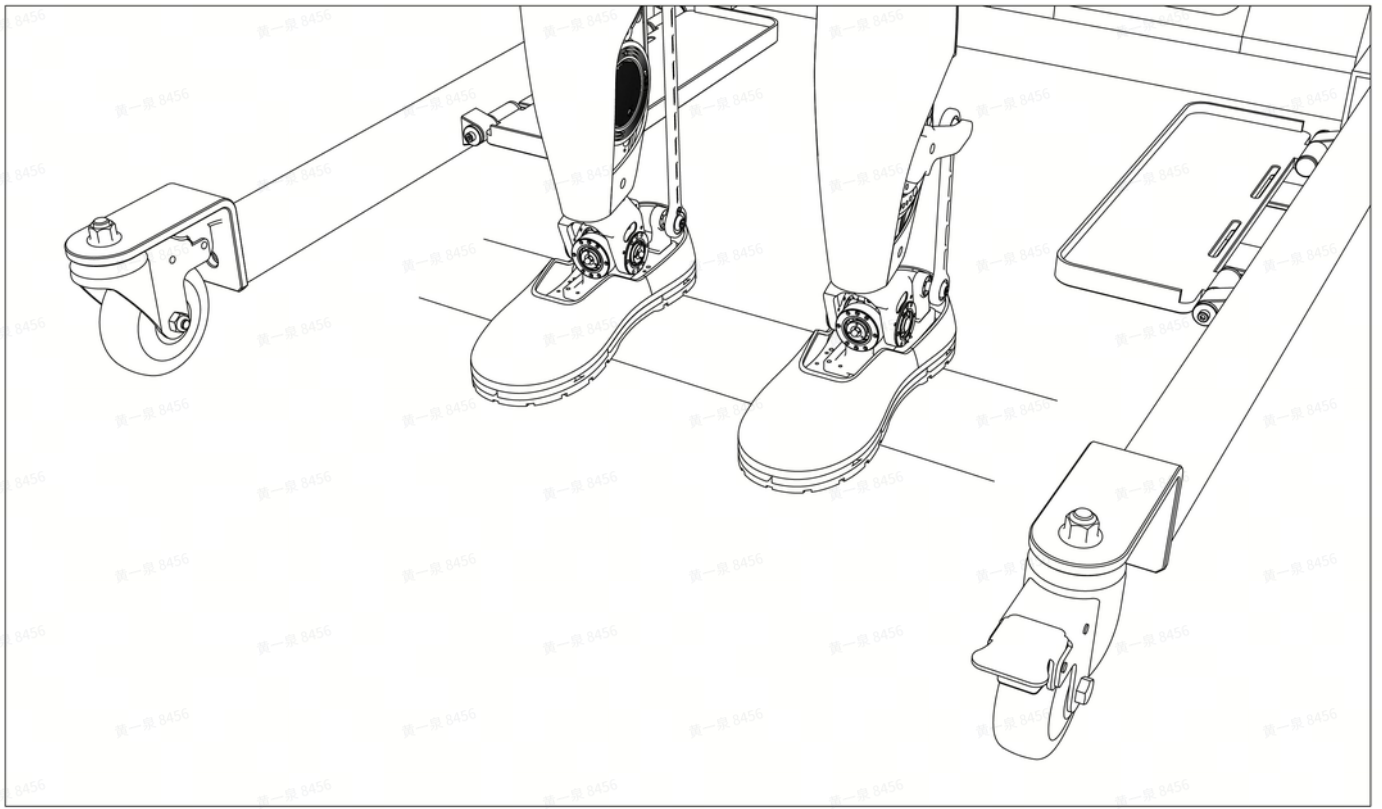


Perparing to stand

After completing the standing posture switch, click "Next" on the AimMaster interface.

Step 7: Lower the robot

Control the electric shifter to lower the robot until the robot's **feet fully touch the ground**, the suspension rope is completely relaxed, and there is some margin.



Robot's feet fully touch the ground

After completing the robot lowering operation, click "Next" on the AimMaster interface.

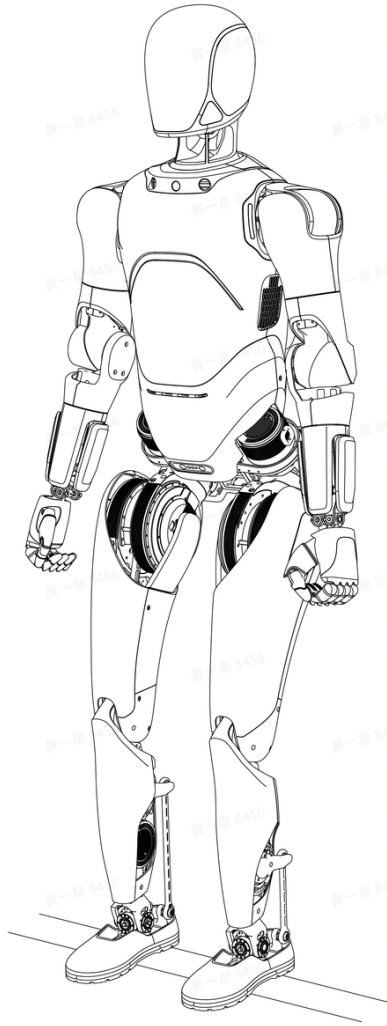
Step 8: Switch to Standing Mode

Click the "Enable Standing Mode" button and the robot will enter standing mode. When you see the words "Standing Successful!", it means that the robot has completed standing. At this time, you can remove the hanging rope from the robot's shoulder, and the robot will maintain autonomous balance standing.



Note:

Before switching to standing mode, make sure the robot has descended to the ground and its feet are fully in contact with the ground.



Self-standing

Click "Finish" to exit the Foot Boot Wizard, and AimMaster will enter the Workplace page.

II. Shutdown

Step 1: Safely stop the robot

Click the red "Stop" button at the bottom of the AimMaster sidebar to safely stop the robot, and the robot will enter the joint-freeze state.

Step 2: Lift the robot

Install a lifting ring on the robot's shoulder and lift the robot using an electric shifter until the robot's feet are completely off the ground.

Step 3: Shut down

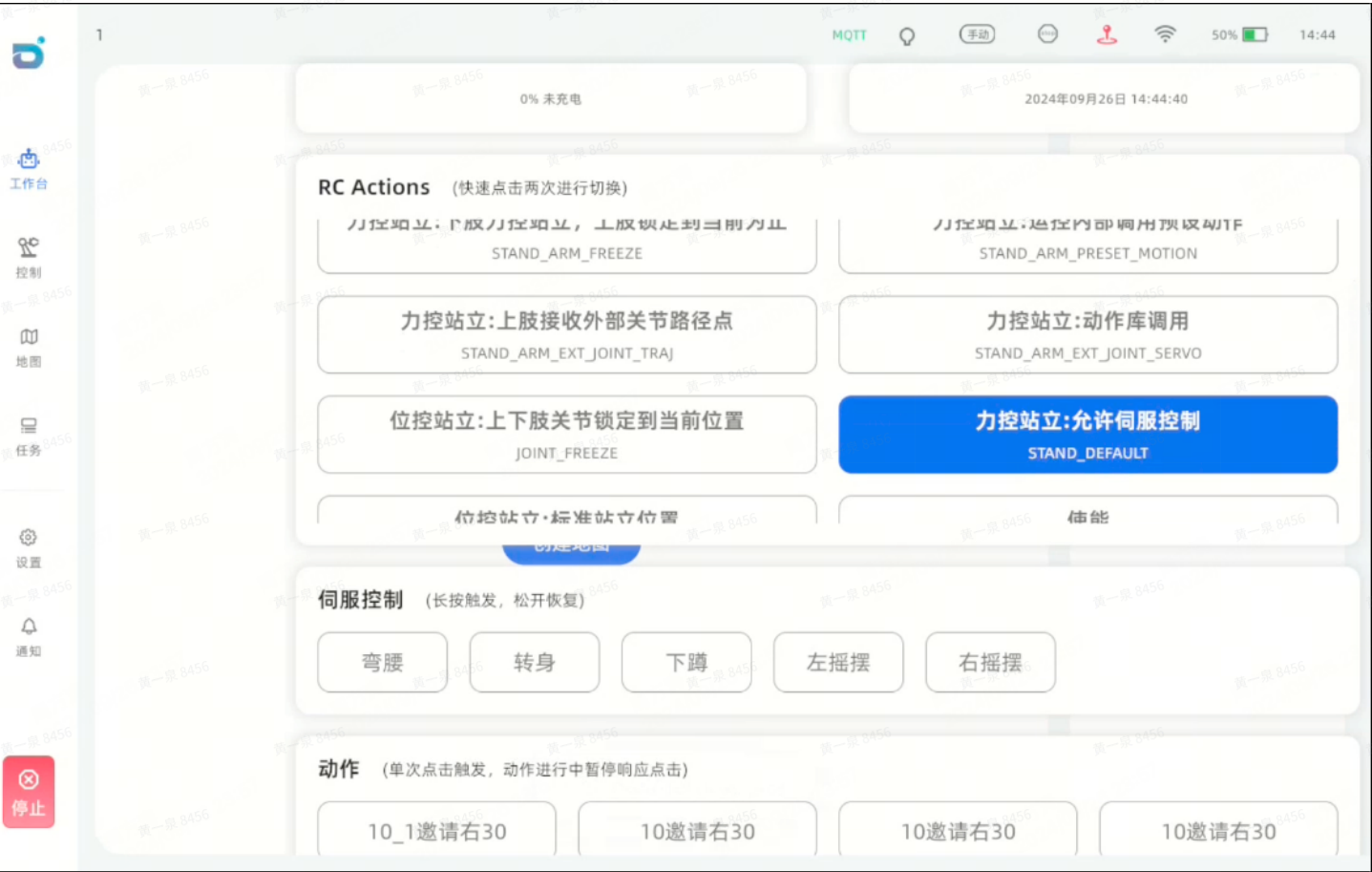
Press the power button in the maintenance compartment at the back of the robot waist to power off the robot and turn off the robot.

III. Motion control

III.I Preparation for walking

Before remotely controlling the "AgiBot A2" robot to walk, it is necessary to ensure that the robot has completed standing. The robot standing process can refer to Chapter 2.1.

After the robot stands up, click the "Time and Battery Area" in the upper right corner of the AimMaster main interface to bring up the Toolbox panel and view the corresponding RC_Actions bar.



RC_Action

Double-click to switch to "walking" mode, and the robot starts to move in place.



Switch to "walking" mode

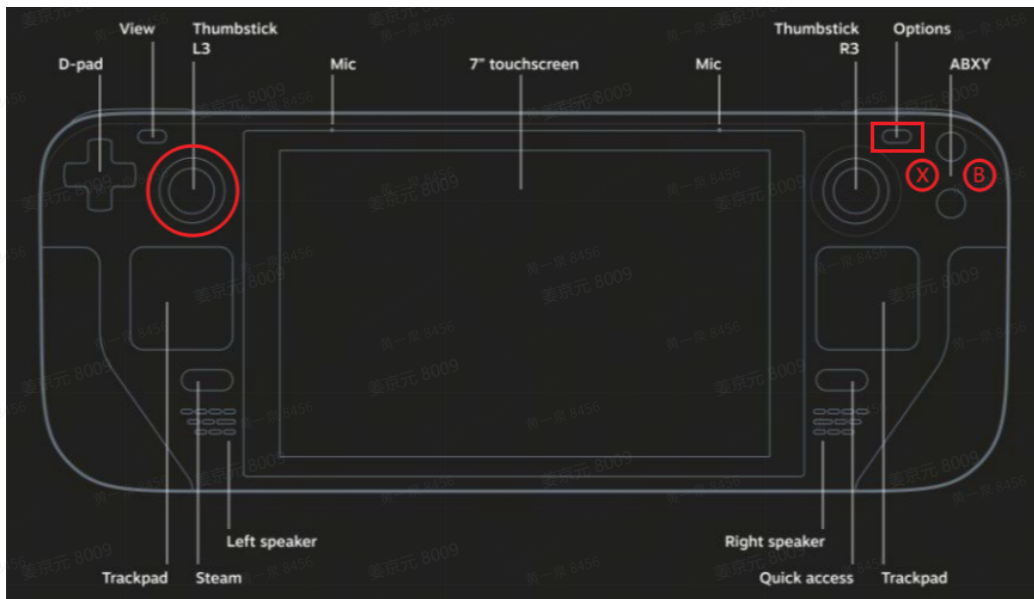
III.II Remote walking

Click the "Control" button on the software sidebar to enter the "Remote Walking" page.



Remote walking

Press and hold the Options button in the upper right corner of the controller for 3 seconds to activate the remote control mode. After the controller remote control mode is activated, you can use the physical buttons of the controller to remotely control the robot.



Controller buttons

Controller button function description:

- On the left joystick: walk forward
- Left joystick down: backwards
- Left joystick left: move horizontally to the left
- Left joystick right: move horizontally to the right
- Left joystick oblique: oblique shift
- X "key: Turn left in place
- B "key: Turn right in place
- [Key combination] Left joystick + X/B keys: turn and walk



Note:

Always maintain robot operation within the operator's direct line of sight.

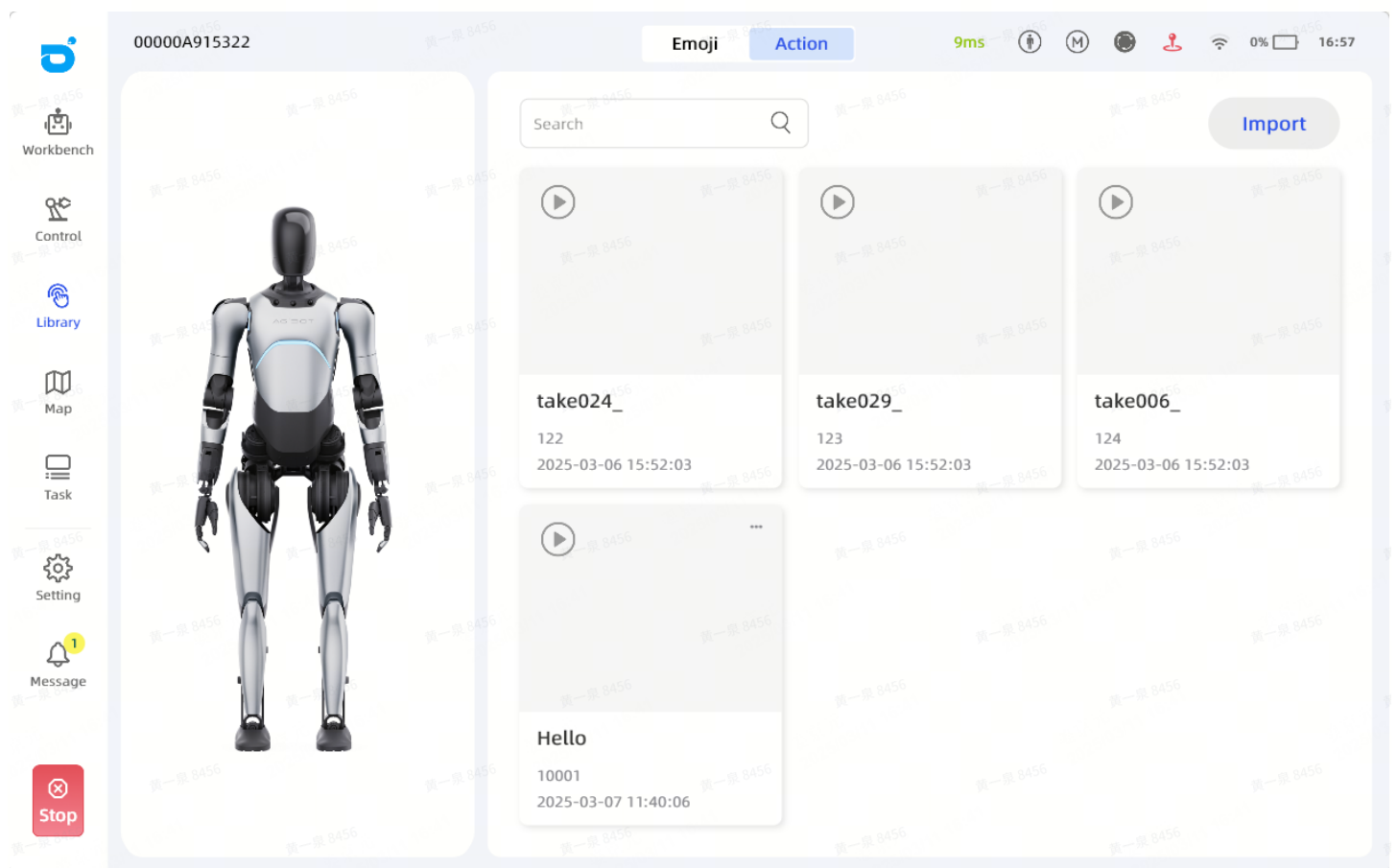
III.III Action display

Double-click the robot status in the RC_Actions bar to switch to "Force Control Standing: Action Library Call".



Action Library Call

Click "Interaction" in the sidebar to switch to the interaction page. Click "Action List" at the top of the screen to enter the action list page. Swipe up and down to view the preset robot actions on the machine, click the play button in the upper left corner of the card to play the action, and the robot will start performing the action.



Action List

IV. Charging & battery swapping

IV.1 Charging

Step 1: Turn off the machine

Turn off the robot by pressing the power button in the maintenance compartment on the back side of the robot's waist to de-energize the robot.

Step 2: Machine in hoisting-ready mode

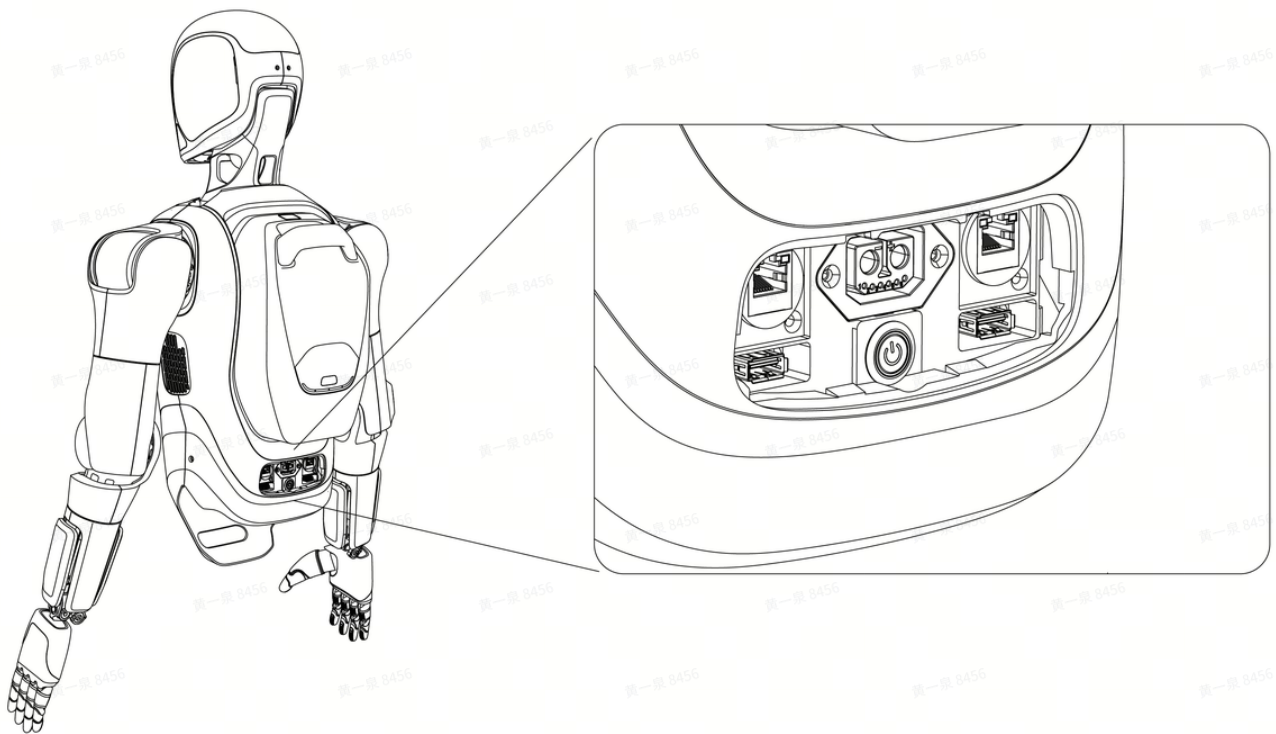
Before powering up the robot, you need to switch the robot to hoisting-ready mode.

Step 3: Open the maintenance compartment

Open the maintenance compartment cover behind the robot.

Step 4: Connect the charger

The charging port is located below the rear cover of the robot body waist. Connect the charging head of the power adapter to the charging port.



Charging port

IV.2 Battery swapping:

Step 1: Shut down

Refer to the shutdown process in 2.3.

Step 2: Machine in hoisting-ready mode

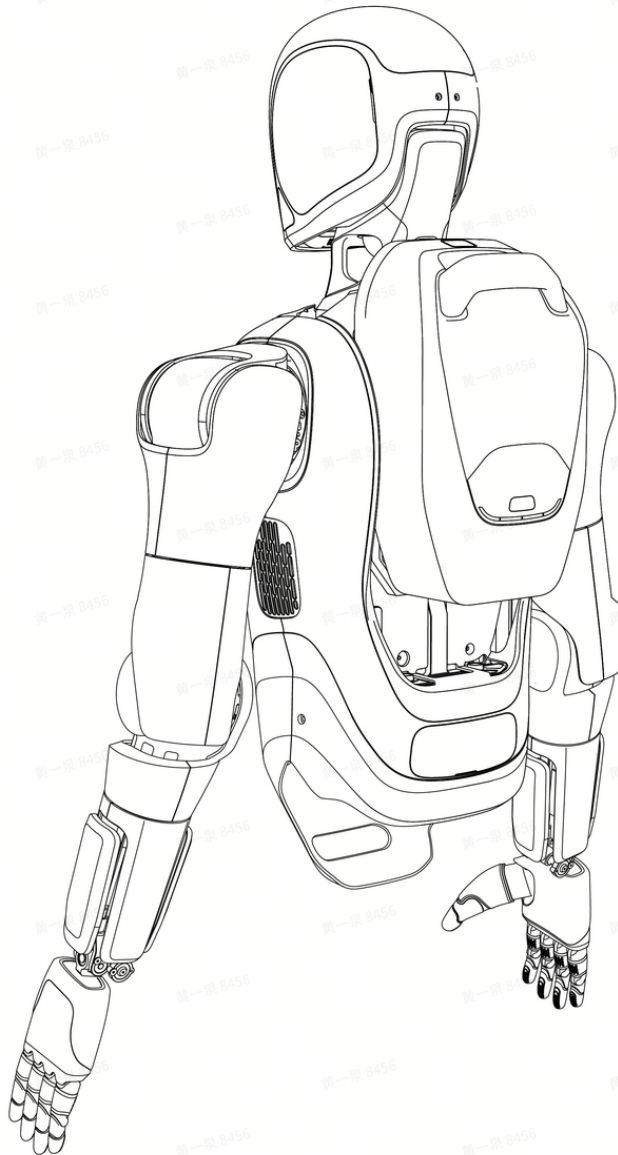
Before powering up the robot, you need to switch the robot to hoisting-ready mode.

Step 3: Remove the battery

Press the square mechanical button on the top of the battery to unlock, and lift the battery up to remove it.

Step 4: Install the battery

Refer to step 3.1 for battery installation process



Remove battrey

4. Maintenance and Suggestion

The operator needs to carry out simple maintenance before and after use of the robot every time, periodically carry out the necessary inspection of the robot.

4.1 Routine Maintenance

We need to carry out necessary maintenance of the robot in order to increase the life of the robot, so that the robot is in good condition for a long time and creates more value for customers.

- Before maintenance, the power must be turned off to prevent accidental electric shock or parts damage.
- The machine should be placed in a dry and ventilated place to prevent humid environment from affecting electronic and electrical components and shortening their lifespan.

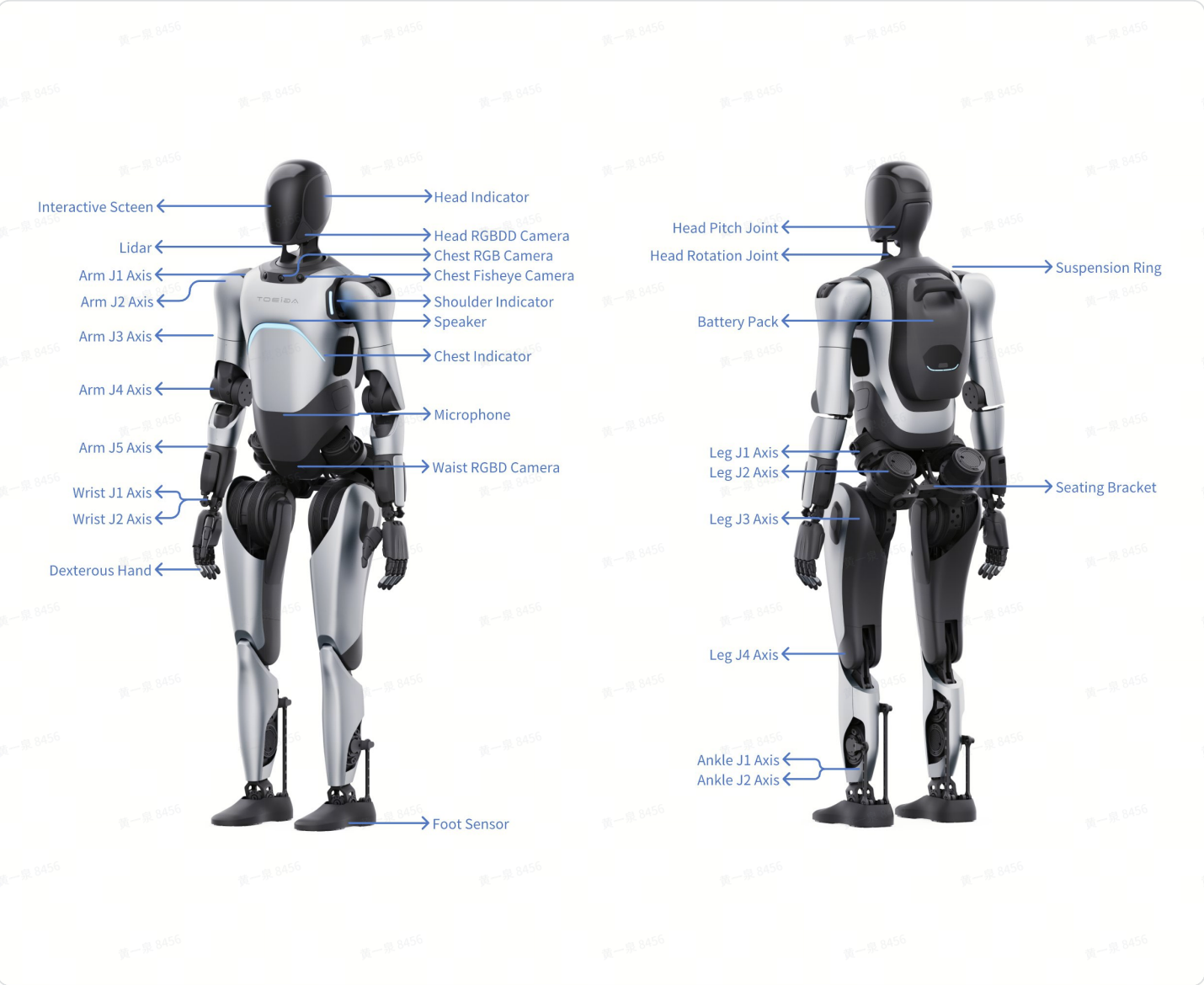
4.2 Battery Maintenance

- The battery is not allowed to be disassembled or replaced without permission in order to avoid unnecessary loss.
- Keep batteries away from heat sources, high pressure places, and prolonged sunlight exposure.
- Do not put the battery in water or fire.
- Short-circuiting the positive and negative battery terminals with metal is prohibited.
- Avoid excessive physical shock and impact on the battery. Do not hit, drop, or step on the battery.
- Without the permission and guidance of the manufacturer, it is strictly prohibited to disassemble or assemble the battery.
- Do not mix batteries of different manufacturers, types and models.
- Do not use or store in a high temperature (> 36°C) environment, otherwise it will cause heat, fire or reduce the service life of the battery.
- Do not use it in a low temperature (< -10°C) environment, otherwise it will cause machine malfunction and reduce battery life.
- Normally, the battery needs to be fully charged every 20 charges.
- If the machine is stored for more than 2 months, please keep the battery at least 60% and charge the battery every 60 days.
- WARNING: when charging the battery, only use the UY600L-W546080 provided with this appliance.
- Please stop using the battery when it has abnormal odor, discoloration, noise, leakage, serious deformation, etc. Please contact qualified after-sales service personnel for further handling.
- If the electrolyte leaks into the skin or eyes, rinse with water and seek medical attention immediately.
- Keep batteries out of reach of pets and children.
- When loading and unloading batteries during transportation, please be careful not to drop them. Do not stack more than 3 layers or turn them over. Please ensure the front side is up.

- Do not use a battery pack or appliance that is damaged or batteries may exhibit unpredictable behavior resulting in fire explosion or risk of injury.

5. Product Specifications

5.1 Product Composition



A2 FlagShip Model

5.2 Basic Parameters

Primary Category	Secondary Category	Entry	Specifications
Basic Product Information		Height	169cm
		Dimensions	169(H)*75(W)*30(L)cm

		Net Weight	≈69kg
		Active Degrees of Freedom (DOF)	Arms: 7×2 DOF, Legs: 6×2 DOF, Head: 2 DOF, Dexterous Hands: 6×2 DOF
Product Features	Electrical Performance	Battery Life	2h
		Battery Capacity	700w●h
		Charging Time	2h
		Charging Voltage	48V DC
		Charging Current	13A
		Cell Type	NMC (Lithium Nickel Manganese Cobalt Oxide)
	Charging Mode	Battery	CC-CV
		Remote Control	Blind charging
	Remote Control Chargers Specifications	Charger Model	UY600L
		Input Cable Specifications	3(0.75~1.5) mm ²
		Battery Types	LFP (Lithium Iron Phosphate) NCM (Nickel Cobalt Manganese) L-A (Lead-Acid)
		Charging Environment Temperature	Operating Conditions: -20℃ ~ +40℃
			Storage Conditions: -40℃ ~ +70℃
	Environmental Adaptability	Operating Temperature & Humidity	0℃ to 40℃, 10%–90% RH (No condensation)
		Storage Temperature & Humidity	-20℃ to 70℃, 10%–90% RH (No condensation)

	Site Adaptability	Minimum Passage Width	Achieved: 900mm (Front), 1000mm (Turning); Target: 600mm (Sideways), 800mm (Front)
		Maximum Obstacle Height	Not currently supported; Target: 20mm
		Maximum Operating Slope	 2% (Angle: 1.15°)
	Safety	Arm Collision Detection	Supported
		Maximum Obstacle Detection Distance	5m
		Minimum Obstacle Detection Height	Under development; Target: 5cm
	Operation & Interaction	Remote Control	Wireless Remote Controller
		Interactive Screen	Facial interactive screen with emotive display
		Microphone	Array Microphone
		Speaker	Built-in Speaker
		Indicator Light	Status Indicator Light
	Product Capabilities	Environmental Perception	LiDAR × 1, Fisheye Camera × 2, RGBD Camera × 2, RGB Camera × 1
		Positioning Accuracy	±10cm, ±10°
		Navigation & Obstacle Avoidance	Supports real-time autonomous navigation and obstacle avoidance
		Mobility	Current: 0.5m/s

	IoT Capability	Maximum Speed	Traget: 0.8m/s
		Mobility Modes	Supports translation, diagonal movement, and in-place rotation
		Communication Protocol	TCP/IP
		Communication Module	Wifi
	Arm Specifications	Single-Arm Payload Capacity	1kg
		End-Effector Linear Speed	1m/s
		Arm Workspace	J1(Shoulder pitch) : $\pm 170^{\circ}$
			J2(Shoulder roll): $-30^{\circ}\sim 95^{\circ}$
			J3(Shoulder yaw): $\pm 170^{\circ}$
			J4(Elbow pitch): $-1^{\circ}\sim 118^{\circ}$
			J5(Wrist roll): $\pm 170^{\circ}$
			J6(Wrist pitch): $\pm 45^{\circ}$
	Leg Specifications	Leg Workspace	J7(Wrist yaw): $\pm 30^{\circ}$
			J1(Hip roll): $-37\sim 40^{\circ}$
			J2(Hip yaw): $\pm 75^{\circ}$
			J3(Hip pitch): $-50^{\circ}\sim 110^{\circ}$
			J4(Knee pitch): $-5^{\circ}\sim 140^{\circ}$
			J5(Ankle pitch): $-30^{\circ}\sim 52^{\circ}$
	Head Specifications	Head Workspace	J6(Ankle roll): $\pm 28^{\circ}$
			Pitch Joint: $\pm 23^{\circ}$
			Yaw Joint: $\pm 45^{\circ}$

The machine includes WIFI, 4G, Bluetooth, hostpot and Lora wireless modules. The machine communicates with the outside world through the above-mentioned wireless modules.

Wireless module	Operating frequency range	Maximum transmitting power
2.4G WIFI	2.400 GHz to 2.4835 GHz	20dBm
5G WIFI	5180MHz-5240MHz 5745MHz-5825MHz	22dBm
4G LTE	824MHz to 2690MHz	23dBm
Bluetooth	2400 MHz - 2483.5 MHz	20dBm
LoRa	902-928MHz	22dBm



Radiation Exposure Statement:

This equipment complies with radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

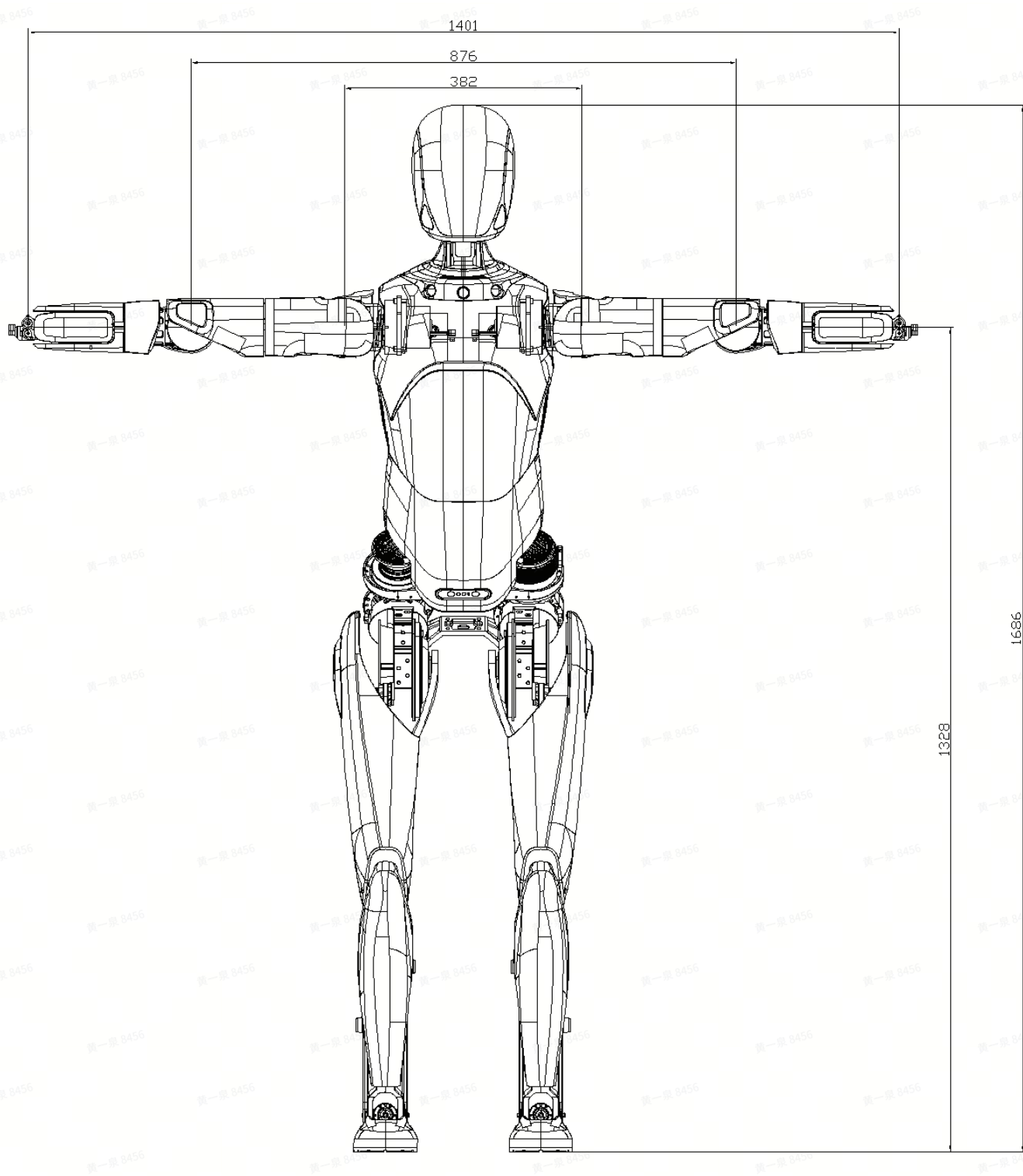


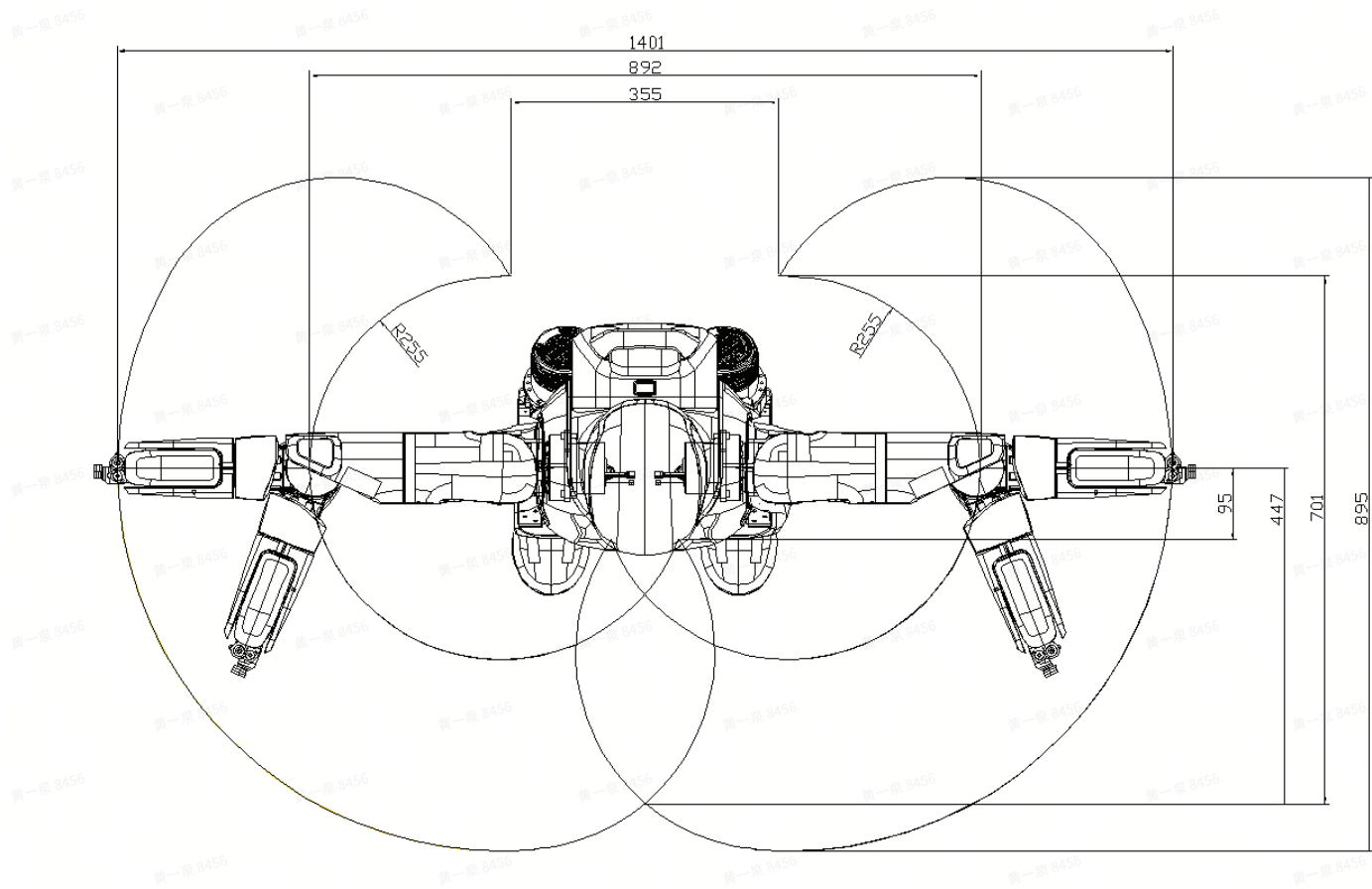
Note:

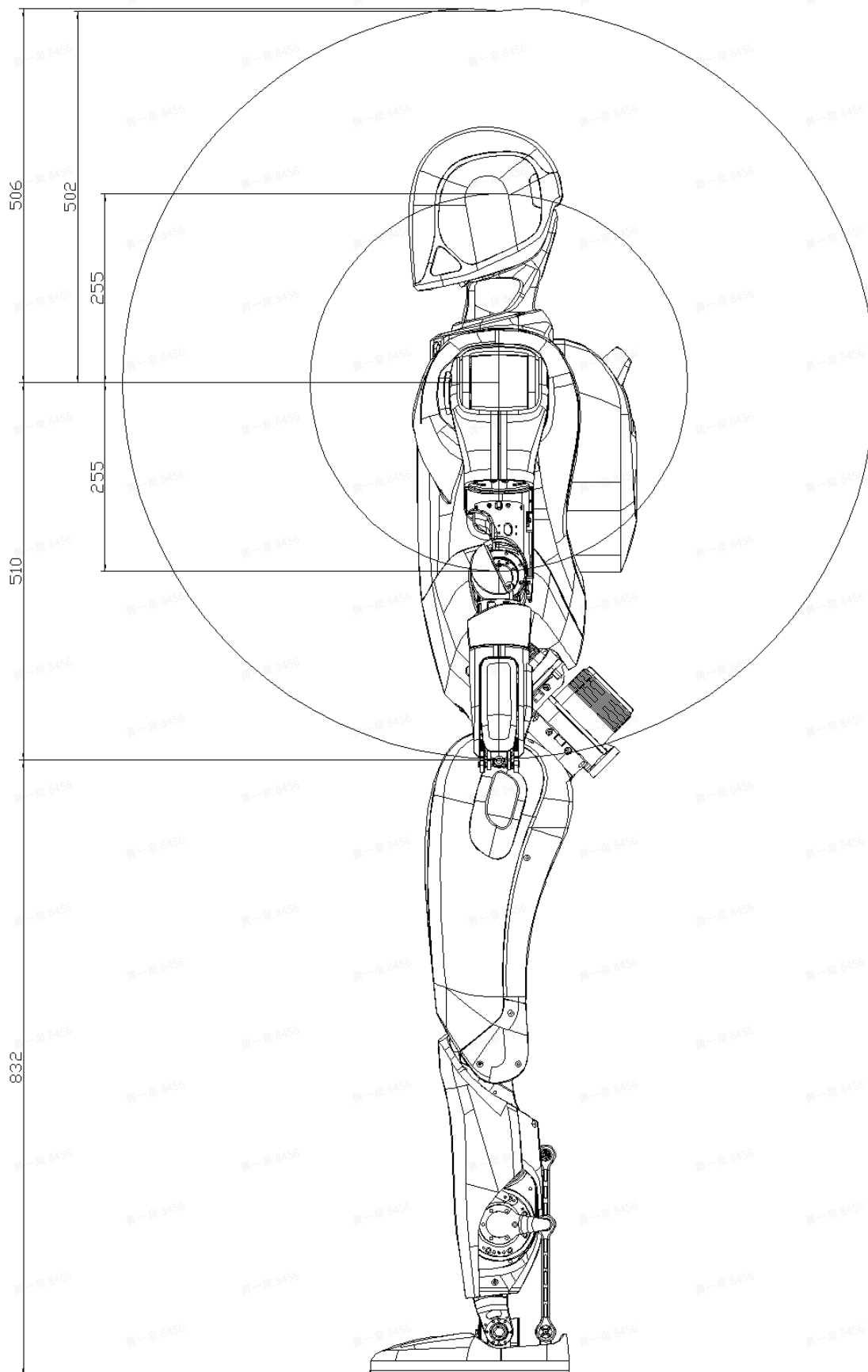
The WLAN function for this device is restricted to indoor or vehicle use only in the 5.15 to 5.230 GHz frequency range.

According to 10(10) of Directive 2014/53/EU, the packaging shows that this radio equipment will be subject to some restrictions when placed on the market in Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE), Norway (NO), the United Kingdom in respect of Northern Ireland (UK(NI)), Iceland (IS), Liechtenstein (LI), Switzerland (CH) and Turkiye (TR).

5.3 Workspace







6. Product label description



The symbol with the crossed-out wheeled bin means that electrical and electronic equipment must not be disposed of with household waste. Consumers are legally obliged to collect electrical and electronic equipment separately from unsorted municipal waste at the end of their useful life. In this way, an environmentally friendly and resource-saving recycling is ensured. Batteries and accumulators that are not firmly enclosed by the electrical or electronic device and can be removed without being destroyed must be separated from the device before it is handed over to a collection point and taken to a designated disposal facility. The same applies to lamps that can be removed from the device without destroying them. Owners of electrical and electronic devices from private households can hand them in at the collection points of the public waste disposal authorities or at the collection points set up by the manufacturers or distributors. The disposal of old devices is free of charge. Dealers with a sales area of at least 400m² are obliged to take back electrical and electronic equipment. The same applies to grocers with a total sales area of at least 800 m², provided they offer electrical and electronic equipment permanently or at least several times a year. Distance sellers with a storage area of at least 400 m² for electrical and electronic equipment or a total storage area of at least 800 m² are also obliged to take them back. In general, distributors are obliged to ensure that old devices are taken back free of charge by providing suitable return options within a reasonable distance. Consumers have the option of handing in an old device free of charge to a distributor who is obliged to take it back if they purchase a new device of the same value with essentially the same function. This possibility also exists for deliveries to a private household. In distance selling, the possibility of free collection when purchasing a new device is limited to heat exchangers, display devices and large devices that have at least one outer edge with a length of more than 50 cm. The distributor must ask the consumer when concluding the purchase contract whether they intend to return the goods. Apart from that, consumers can hand in up to three old devices of a device type to a distributor's collection point free of charge, without this being linked to the purchase of a new device. However, the edge lengths of the respective devices must not exceed 25 cm.



The CE mark indicates that the product meets the requirements of the European Union's health, safety and environmental protection regulations and can be sold and distributed within the member states of the European Union.

Disclaimer: this product complies with relevant CE marking directives, including:

Directive 2006/42/EC - Machinery directive(MD).

Directive 2014/53/EU - Radio equipment directive(RED).

Directive 2011/65/EU - Restriction on the use of certain hazardous substances in electrical and electronic equipment(RoHS) Annex II and its amendment.



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:

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.



Before using A2, please read the product manual carefully to avoid insufficient knowledge to operate this product and other potential risks.

