

User Manual

AutoXing Intelligent Delivery Robot
Standard Version



Model: AX1112

AUTOXING

Thank you for purchasing the products of Beijing AutoXing Technology Co., Ltd. (hereinafter referred to as "AutoXing"). Before using this product, please read this disclaimer (hereinafter referred to as "Disclaimer") and AutoXing Intelligent Delivery Robot Standard Version AX1112 User Manual (hereinafter referred to as "User Manual") carefully to ensure correct settings of the product. Failure to follow this Disclaimer and User Manual may result in injury to the operator or other personnel or damage to the product or objects in its environment.

AutoXing reserves the right of final interpretation of the Disclaimer and User manual, and all relevant documents of the product (hereinafter collectively referred to as "Product Documents").

Once you start using the product, you are deemed to have read the Product Documents carefully and have understood, agreed and accepted all terms and contents of the Product Documents. If you have any objections to any of the terms of the Disclaimer, you shall immediately stop using the products and services provided by AutoXing. You are committed to be fully responsible for using the product and for any possible consequences. You promise to use the product only for legal and legitimate purposes, and not to use the product in any way that can directly or indirectly violate Chinese laws and social ethics.

All personal injuries, accidents, property losses, legal disputes, and other adverse events resulting in conflicts of interest caused by irresistible factors shall be borne by you, and AutoXing shall not bear any liability.

AutoXing shall not be liable for any damage, injury or legal liability caused by failure to use the product in accordance with the Product Documents. You shall comply with all safety instructions including but not limited to those mentioned in this Disclaimer.

Despite the above provisions, your consumer rights and interests are still protected by local laws and regulations.

Our company reserves the right to modify technical parameters and function settings due to product software upgrade. Our company reserves the right to adjust the hardware configuration due to the adjustment of hardware technical parameters. To realize the latest features described in this user manual, it is necessary to update the robot's software.

This User Manual is for users' reference only, and the description may not be exhaustive. Please refer to the actual objects for more details. If you have encountered problems cannot be solved, please contact after-sales service.

The product pictures in this User Manual are schematic diagrams, and please refer to the final product.

Please avoid the following behaviors when using AutoXing Intelligent Delivery Robot AX1112. In case of the following illegal use, the customer shall bear all relevant costs, relevant legal liabilities and risks.

Failure or damage of the product caused by failure to use, maintain or keep the product according to the User Manual;

Product damage caused by unexpected factors, such as inputting mismatch voltage, high temperature, water inflow, mechanical damage, falling and broken, severe oxidation, rusting or circuit board burning, etc.;

Product damage caused by human behavior: such as collision caused by human blocking in front of the robot, or damage caused by robot tilt due to human behaviors;

Product failure or damage caused by using pirated software, product failure or damage caused by virus infection during use;

Product failure or damage caused by soaking, damping, getting mildew, insect damaging or animal gnawing and other improper use of the product;

Product failure or damage caused by force majeure (fire, earthquake, flood, etc.);

Disassemble the robot or charging pile without permission is not allowed, otherwise you will lose the warranty qualification;

Do not use this product in dangerous environment, such as high temperature and high pressure, inflammable and explosive places, etc.;

Do not use this product outdoors;

Do not use this product in places without fences or staircases or escalators, which may lead to injuries caused by robot falling;

When minors are using the product, guardians should fulfill the duty of guardianship to prevent the robot from tilting or tipping due to external forces so as to prevent damage;

Do not put any part of your body or other objects under the robot chassis. This behavior may cause damage to the robot in the process of movement;

Do not use the robot to delivery liquid (open container), so as to avoid short circuit or high temperature burns caused by spilled liquid.

Application Scenarios



This product is suitable for catering places, large indoor entertainment places, conference centers, etc. It can complete the distribution of meals, tableware, drinks, etc. by operating on the screen interface of robot. The product has functions of automatic navigation, obstacle avoidance and etc.

Transportation and Storage Scenarios

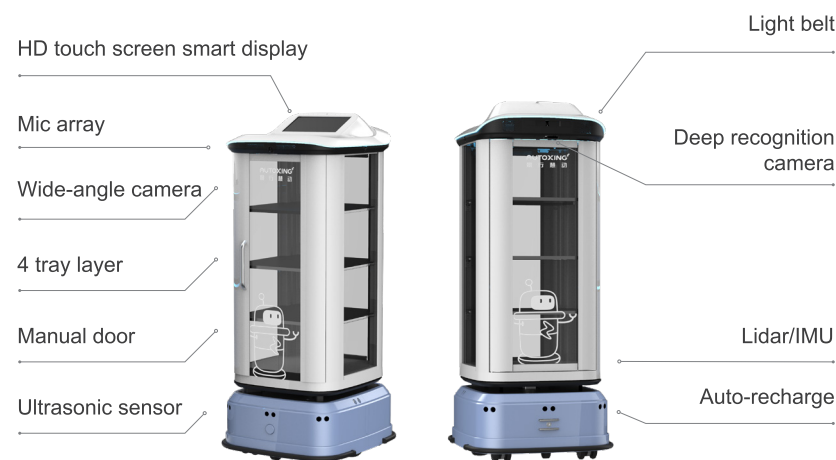
The robot should be fixed in the packing box or transfer box during storage and transportation, and measures should be taken to prevent moisture, vibration and impact during transportation. This product contains lithium batteries. Please ship according to relevant local laws and regulations. If the robot is not in use for a long time, please turn it off after being fully charged and store it in a dry place of -10 ~ 50 degrees Celsius. If the conditions of transportation and storage do not meet requirements, an agreement needs to be reached between us and the customer.

Packing List

Robot X1, User Manual X1, Manufacturer's Certificate X1

The picture shows AutoXing Intelligent Delivery Robot Standard Version AX1112. Slightly differences in appearance of the actual products will not affect using.

About A1 Intelligent Delivery Robot



The picture shows A1 Intelligent Delivery Robot. Slightly differences in appearance of the actual products will not affect using.

Basic Functions

1. Power on & off

Power on: Long press the power button for 5s to power on.

Power off: Long press the power button for 5s to directly power off.

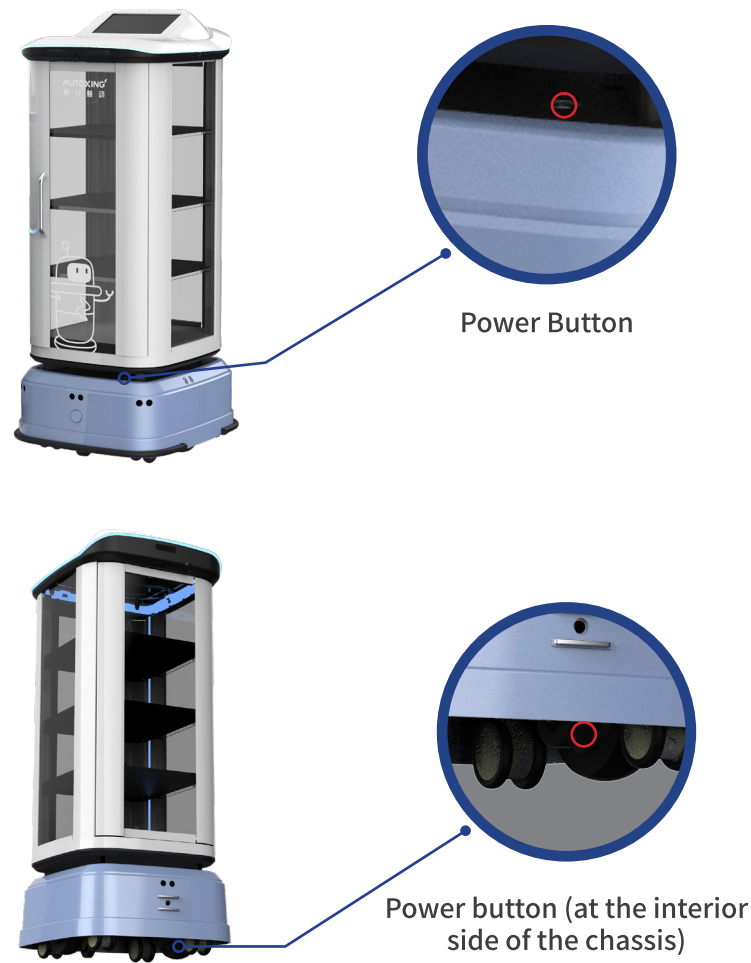
2. Charging

Push the robot to the front of charging pile, and face the charging pad toward the charging pile. Access the charging pad under the robot to the charging pad on the charging pile to fully connect both sides. When the light on the upper right corner of the charging pile turns green and blinks, the robot is charging. When it is fully charged or do not need to be charged, you can move the robot away from the charging pile.

3. Emergency Braking

Under special circumstances, you can press the emergency stop button below the robot. At the same time, the robot will stop operation. Press the emergency stop button again, the machine will continue the task.

Press the button to enter emergency stop mode and press the button again to resume the task.



Problems	Solutions
Unable to boot	The battery is low, please push the robot to the charging pile.
Unable to charge	The charging pile is not connected to power supply. Please make sure that the cable of charging pile is properly connected to the power socket. Please make sure that the robot is in good contact with the charging cable.
Network anomaly	Wifi or SIM card signal is bad, please confirm that the robot can is in good signal coverage. The Wifi or SIM card network connection is abnormal, please reconnect network in system settings.
Location lost	Please push the robot to the charging pile for reset.
Navigation anomalies	Please clear the temporary obstacles in front of the robot/ target point and try to continue the task or cancel the task or push the robot to the charging pile for reset; Restart the robot if necessary.
A message indicating that the task is not completed	In the delivery task, if the goods are not picked up in time and the robot returns over time, the unfinished task can be cancelled or the task can be restarted.
Unable to recognize sounds	The network signal is bad, please confirm that the robot is in a good network signal coverage. Environment noise decibel is too high, please move the robot to a suitable environment.
Unable to recognize faces	The camera is blocked, please clear the blockage at the camera. The light is too strong or the face is backlit. Please move the robot to a suitable place.
Unable to move	The emergency stop button is pressed, please release the robot. The wheels got stuck by litters. Please clean up after shutting down the robot and push the robot to the charging pile for reset.
If you have more problem, please contact the after-sales service at 13810047180	

Items	Specification
Size	54cm*49cm*120cm
Net weight	Net weight 55KG
Product color	White, gold, red
Try size	40cm*34cm
Max load	40Kg
Velocity	0.3~1.2m/s
Min passing width	70cm
Slope	8°
Obstacle climbing	17mm
Positioning accuracy	cm level
Network	4G/WiFi
Battery capacity	15Ah
Battery duration	Continuous Operation > 10h
Charging time	4h
Floor gap width	30mm
Passage width	Min width of robot track ≥ 70cm
Passage width of elevator and gate	75cm+
The configuration and parameters are subject to the actual objects	



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FCC Caution.

§ 15.19 Labelling requirements.

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.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: 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.

RF warning for Mobile device:

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.
