PRODUCT OVERVIEW

Stone-01 is a city delivery robot for both indoor and outdoor comprehensive coverage. It specifically addresses the "last-mile" autonomous doorstep delivery challenge, empowering courier operations, property management, and food delivery services. Stone-01 is compact and agile, capable of operating in multiple scenarios including business districts, communities, airports, and campuses. It features unmanned precise delivery, mobile app ordering, intelligent locker doors, autonomous charging, and other functionalities. It has low operational costs and facilitates property management, empowers businesses, and provides convenience to consumers.

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Chapter 1. Main Features

1. Autonomous Mapping

Users can manually control Stone-01 via a joystick to collect map data and complete autonomous mapping without the need for mapping providers.

2. Autonomous Obstacle Avoidance

Equipped with the SOPHON Pangu autonomous driving system, Stone-01 can patrol indoors and outdoors autonomously, plan optimal routes, recognize obstacles, and features kilometer-level path planning, centimeter-level precision positioning, and millimeter-level obstacle avoidance.

3. Intelligent Detection:

Facial Recognition: Real-time dynamic detection of individuals within the campus, with a pre-entered facial data database allowing for facial recognition.

Identity Verification: Ensures secure delivery to designated individuals via AIOT.

4. Doorstep Delivery

Stone-01 can connect to building elevator systems to autonomously ride elevators: set the destination floor, ride the elevator, and complete the delivery.

5. Mobile App Ordering

An accompanying app allows for autonomous order placement, scheduled delivery timing, real-time delivery tracking, and delivery confirmation via phone and SMS.

CHAPTER 2. USER MANUAL

*Please read the following terms carefully before using the robot and use the robot correctly as instructed.

1. BASIC OPERATIONS

Pre-Startup Check: Ensure the robot is in good condition before starting.

Startup: Power on the robot by pressing the power button at the back.

Shutdown: Turn off the robot by pressing the power button at the back.

Post-Shutdown Cautions: The robot should remain stationary after shutdown to avoid hardware damage.

Emergency Stop: Use the emergency stop button at the back of the robot to halt movement and prevent damage or injuries.

*Once the robot is in emergency stop mode, it should not be forcibly moved to avoid hardware damage. Emergency stop can only be disengaged after manual inspection and repair are complete.

2. JOYSTICK CONTROL

Each Stone-01 comes with a joystick for initial setup and map creation, already paired with the robot. The joystick may not be needed after initial use.

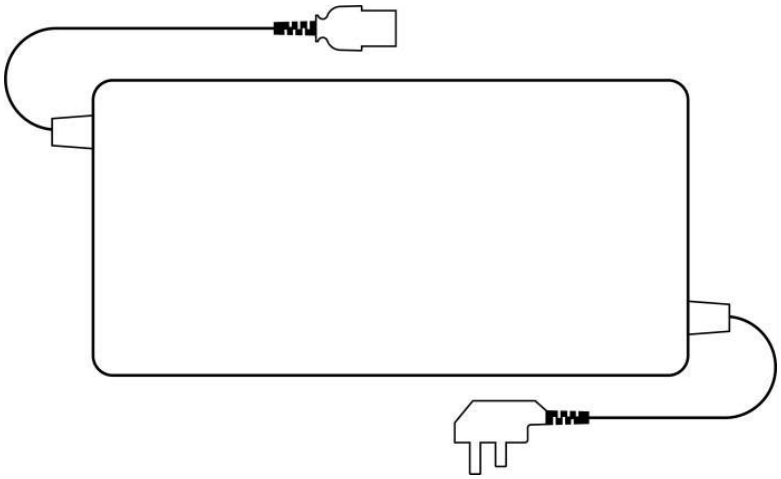
2.1 Joystick Introduction

3. Charging Methods

Stone-01 supports autonomous and manual charging. It comes with a dedicated autonomous charging station and a charger for manual charging.

3.1 Manual Charging

The robot's rear is equipped with a charging port. To charge, connect the charger to the port and a power socket. Always observe electrical safety during charging.



充电线

4. Autonomous Mapping

To use Stone-01 for the first time, you must create inspection maps and configure them accordingly. Ensure you can log in to the Stone-01 inspection robot cloud platform before starting.

Autonomous Mapping Process:

① Power on
② Control Stone-01 using the joystick
③ Start autonomous mapping; upload maps to the Web
④ Save the mapping data
⑤ Set inspection no-go zones as needed

***Note: For structurally complex campuses, separate mapping for different areas might be required before merging the maps, which can be a complex process. Contact after-sales service for assistance with mapping.**

5. Delivery App

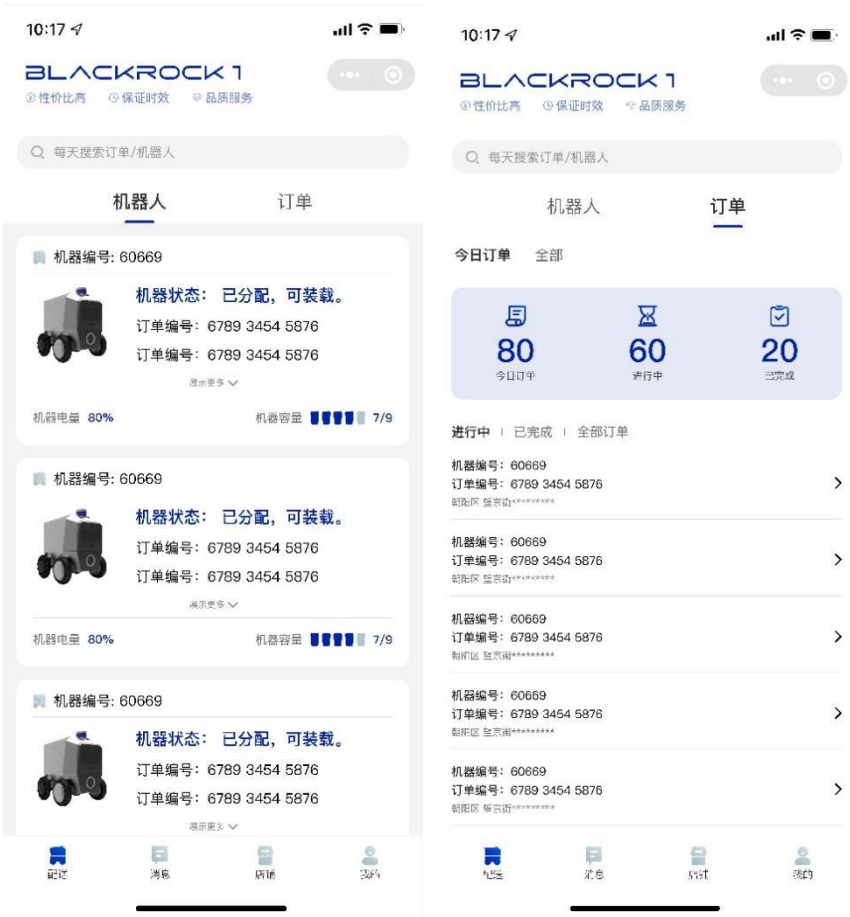
The delivery app is divided into delivery, customer, and operations sides.

Delivery Side: Used by merchants to view the operational status and historical results of individual robots.

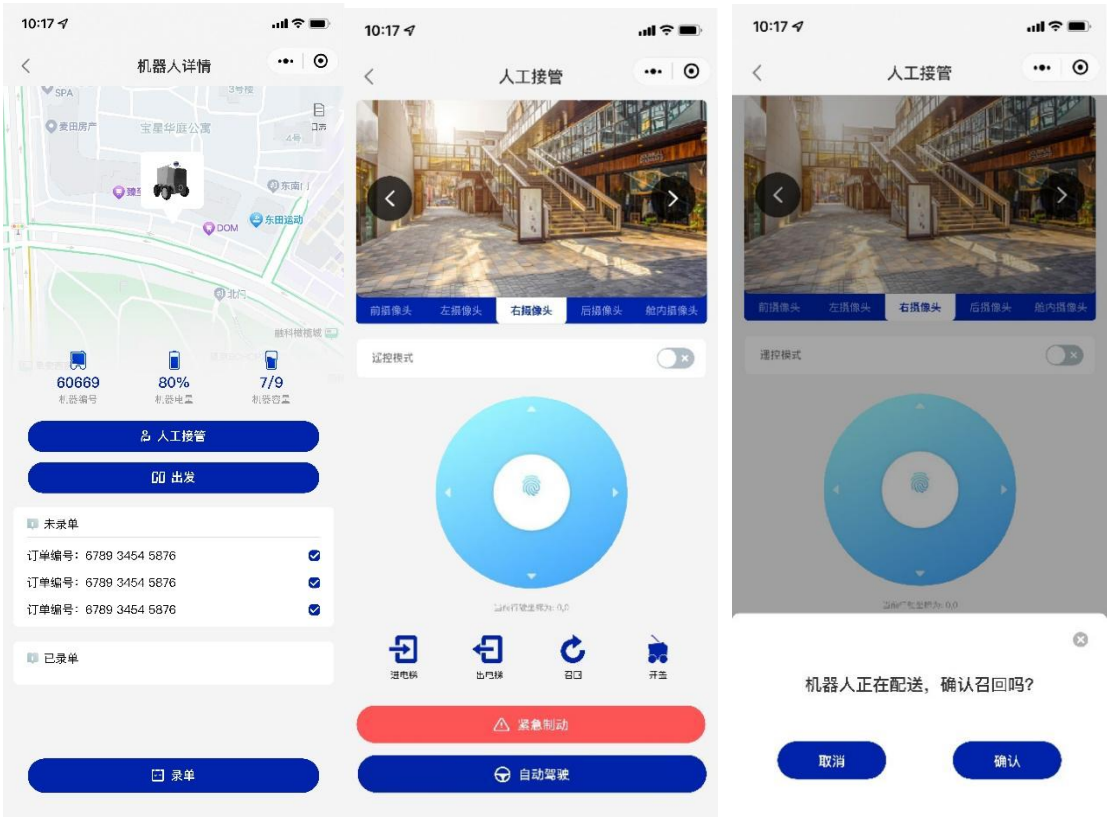
Customer Side: Allows customers to place orders online and view the delivery status of the delivery robot.

Operations Side: Used by the management platform for robot management and basic settings, such as adding robots, viewing vehicle information, configuring vehicles, building maps, and issuing tasks.

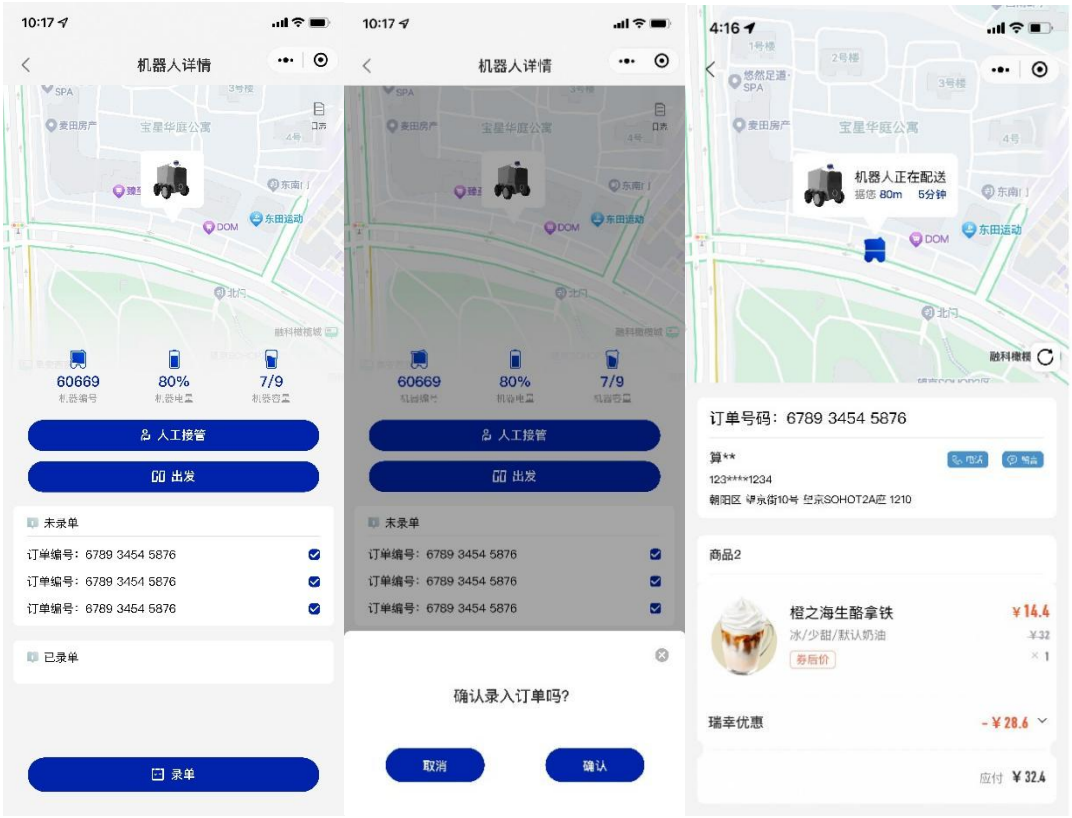
5.1 Delivery Side



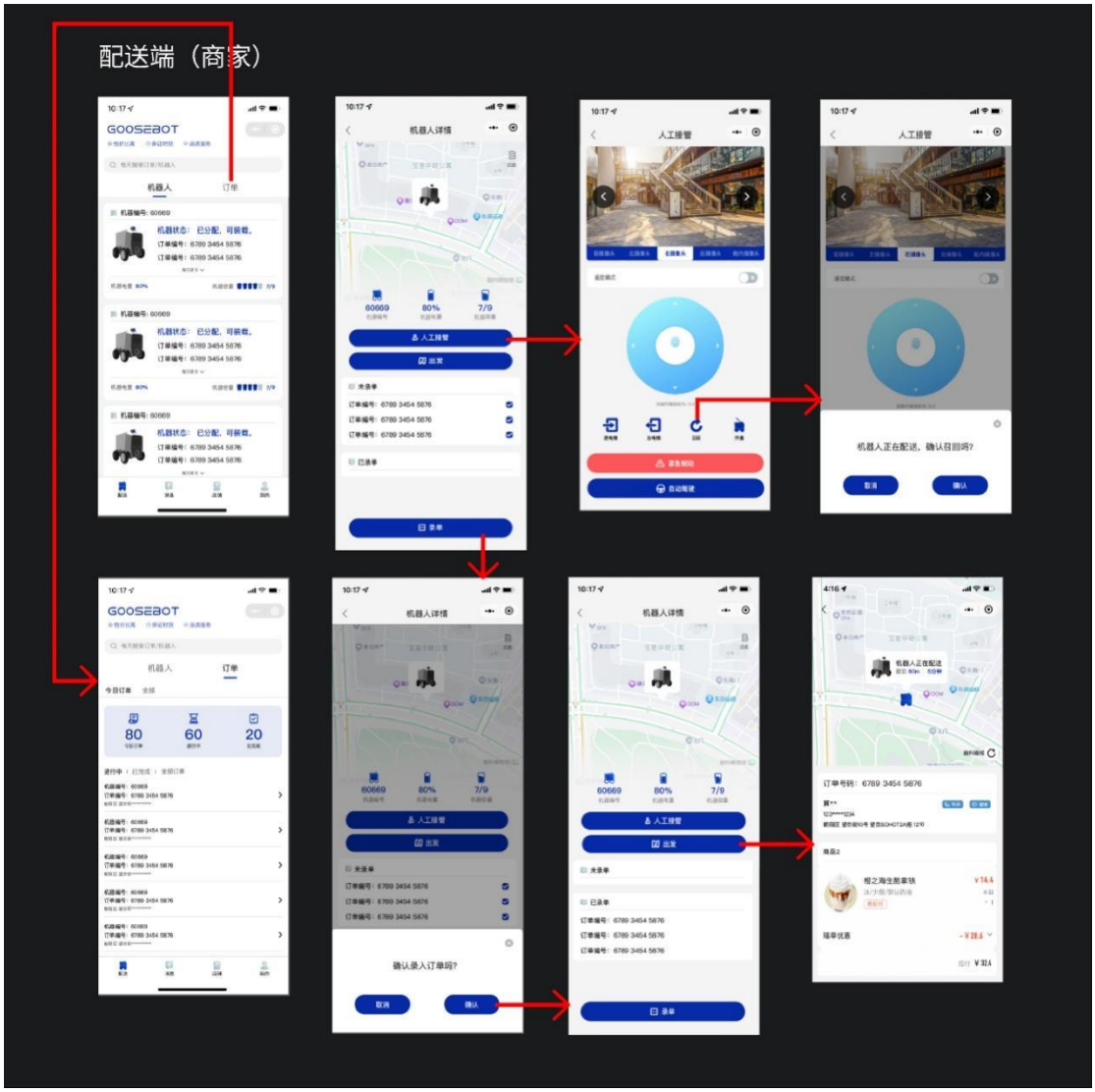
The bottom menu of the app allows users to monitor the robot's delivery status, battery level, and cargo load. Order details and completion statistics can be viewed by selecting the relevant robot.



Clicking on a robot shows its current ID, battery level, and capacity. Manual takeover is possible for real-time monitoring of the robot's environment and control during emergencies.



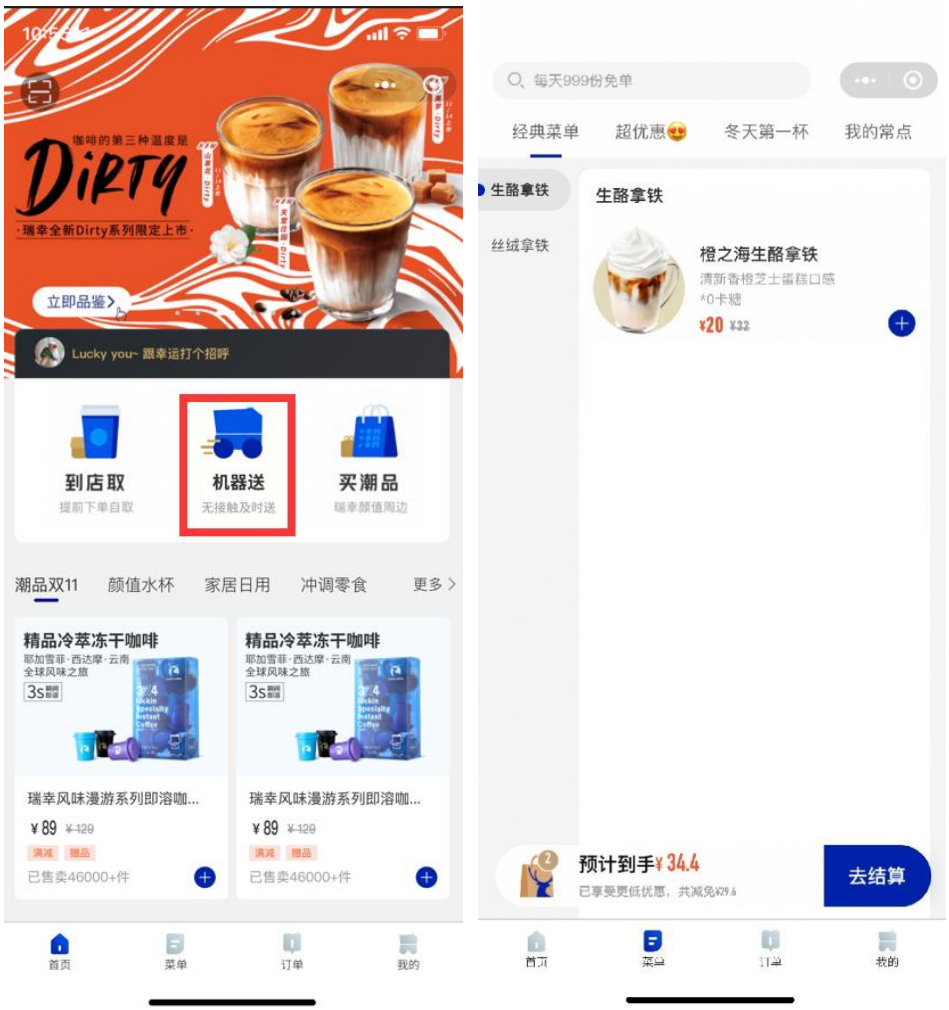
For new orders, select the robot for cargo loading, enter order details by clicking "Record Order," and track the delivery status once entered.



Flowchart for Delivery Side Usage

5.2 Customer Side

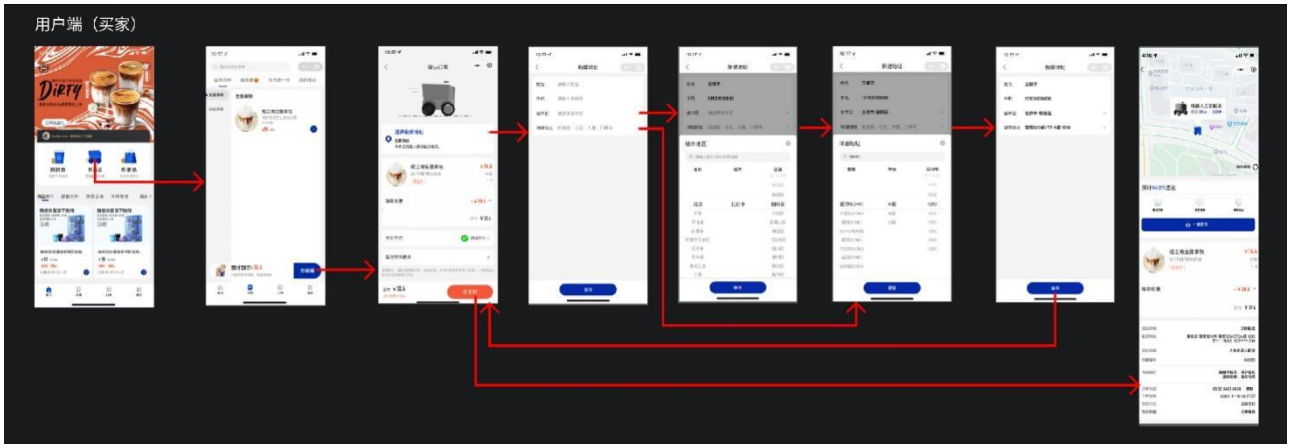
After entering the ordering app, customers can choose "Machine Delivery" from the menu to shop for products.



At checkout, select a delivery address or create a new one by entering regional and contact details.

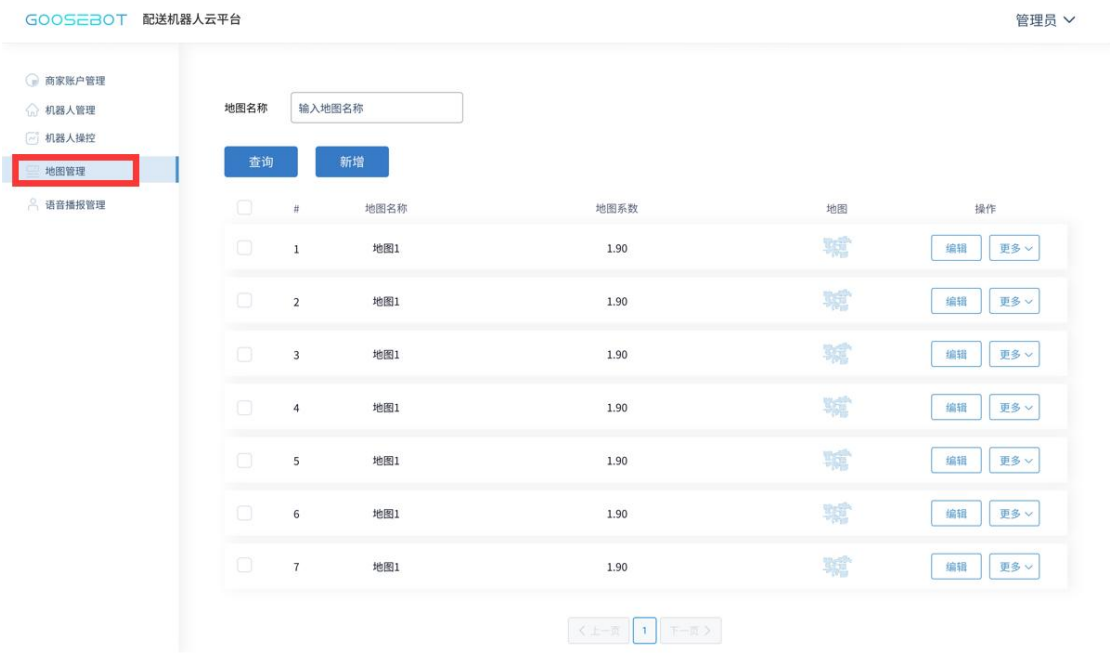
Once ordered, track the robot's delivery distance and time, with options to cancel the order, contact the merchant, or modify the delivery address.

Customer Side Operation Process:

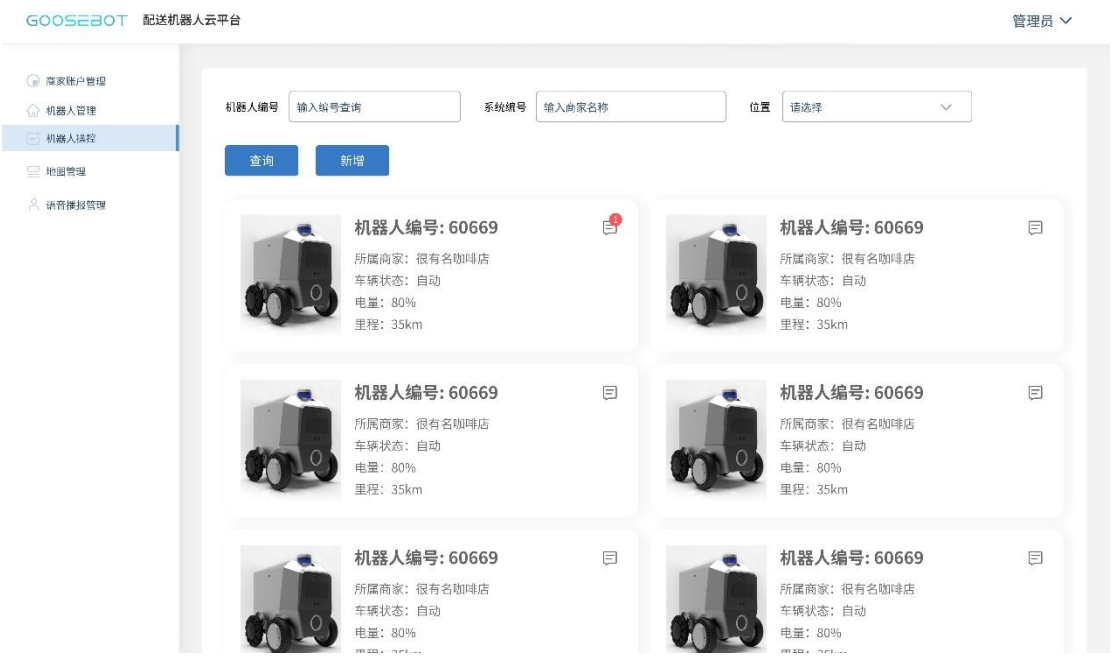


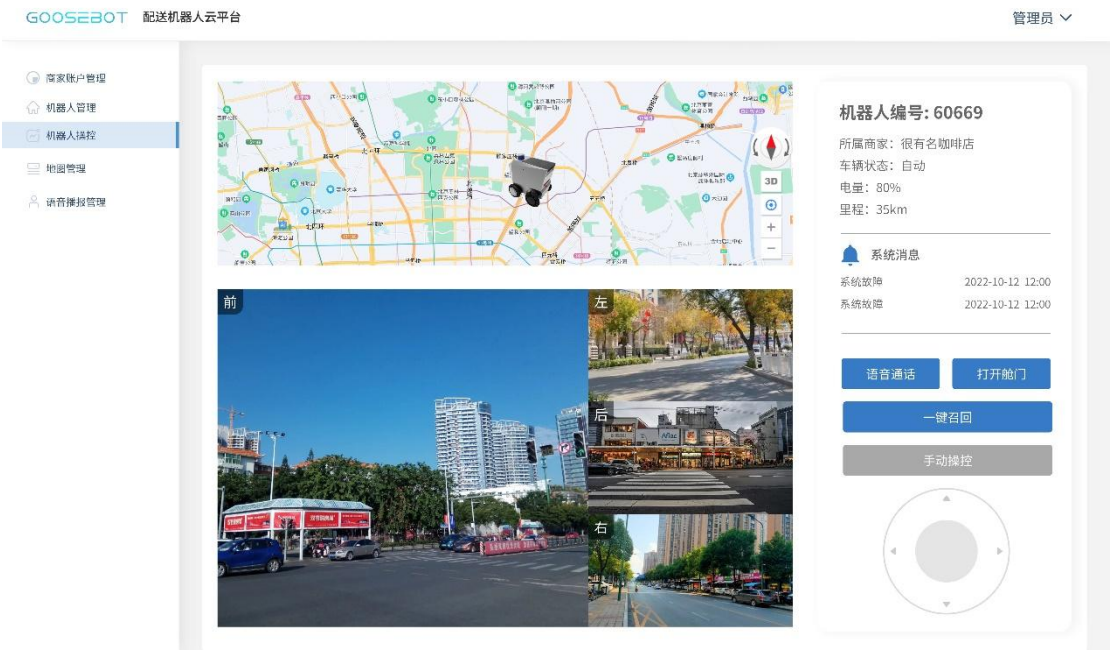
5.3 Operations Side

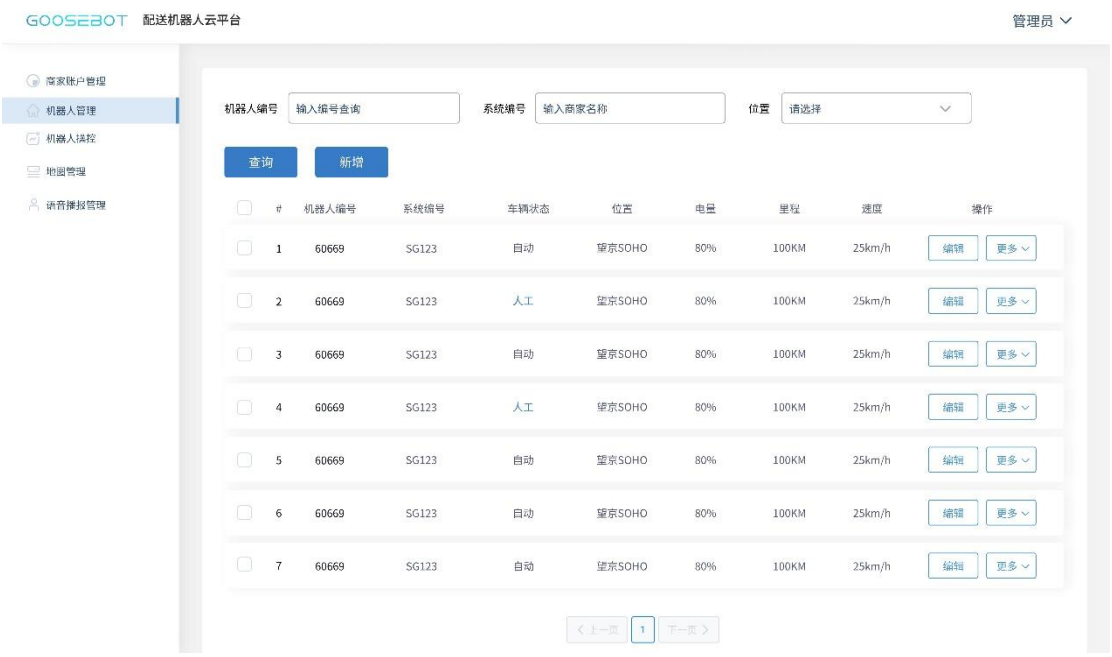
After entering the backend management system, you can query and add maps in the "Map Management" section of the left menu bar.



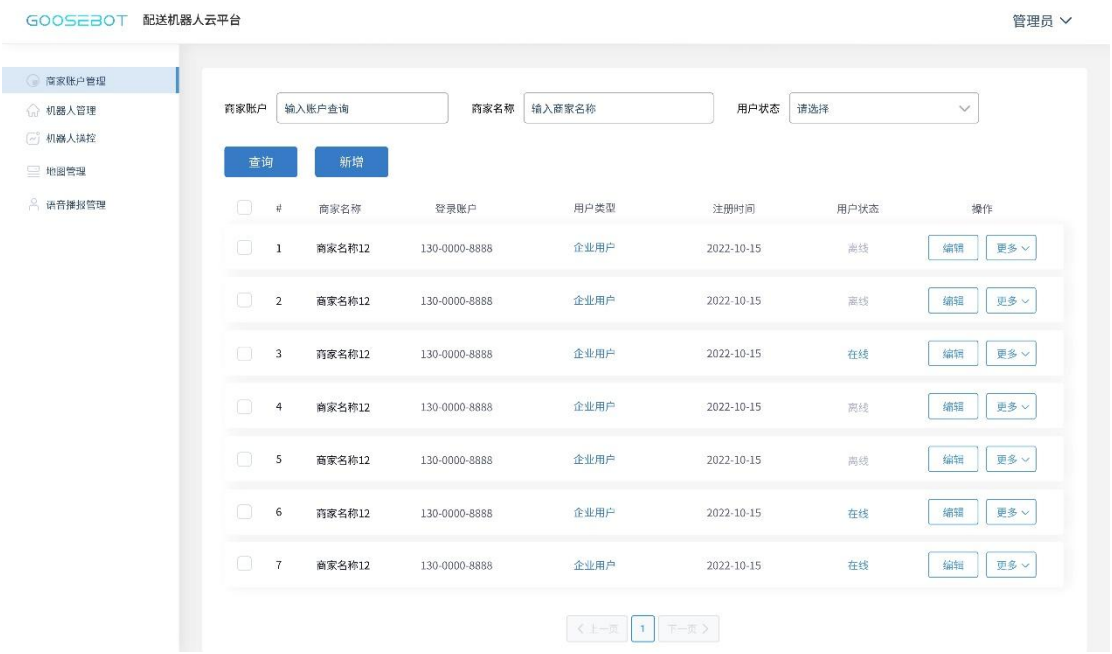
In the "Robot Management" section of the left menu bar, you can query and add robot statuses, view the robot's panoramic environment in real time, conduct voice calls, and perform one-click recalls.


GOOSEBOT 配送机器人云平台
管理员
商家账户管理
机器人管理
机器人操控
地图管理
语音播报管理
机器人编号 输入编号查询
系统编号 输入商家名称
位置 请选择
查询
新增
机器人编号: 60669
所属商家：很有名咖啡店
车辆状态：自动
电量：80%
里程：35km


GOOSEBOT 配送机器人云平台
管理员
商家账户管理
机器人管理
机器人操控
地图管理
语音播报管理
3D
前
左
后
右
机器人编号: 60669
所属商家：很有名咖啡店
车辆状态：自动
电量：80%
里程：35km
系统消息
系统故障 2022-10-12 12:00
系统故障 2022-10-12 12:00
语音通话
打开舱门
一键召回
手动操控



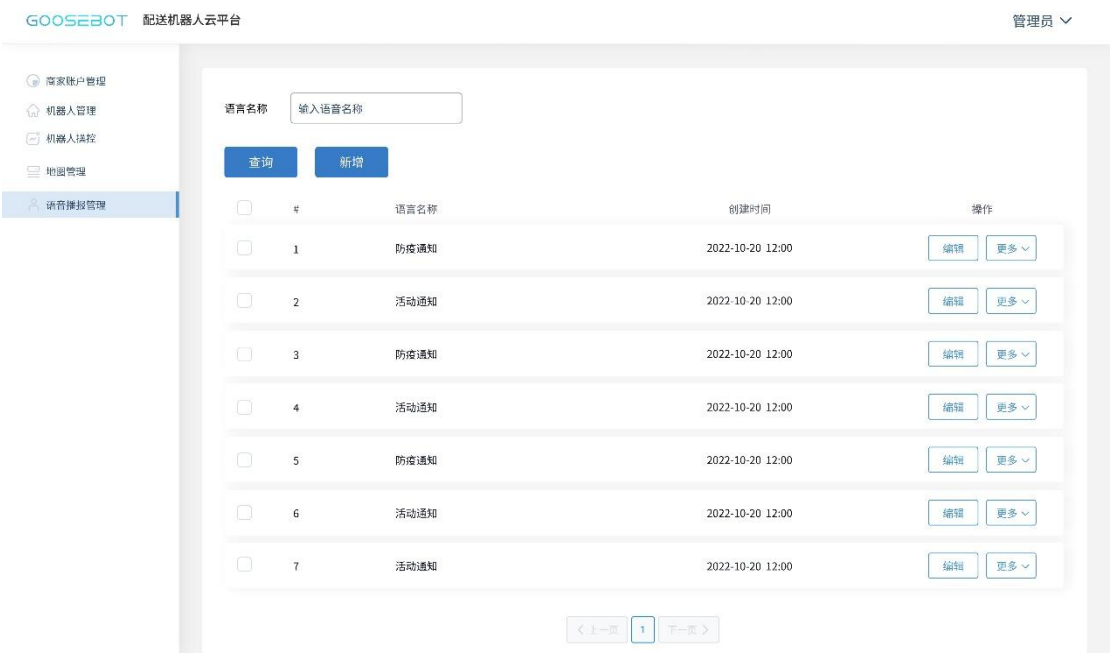
In the "Merchant Account Management" section of the left menu bar, you can query and add merchant information.



Stone-01 supports preset area looping and task execution, like playing audio or taking photos while moving.

Before setting up voice broadcast tasks, audio materials must be uploaded to the Stone-01 delivery robot cloud platform.

***Note: Before setting up voice broadcast tasks, audio materials must be uploaded to the Stone-01 delivery robot cloud platform in advance.**



The operation process for the Stone-01 delivery robot operations side is shown in the following diagram: