

AI Reception Robot

User Manual



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1ProductIntroduction

AI Reception Robot is an indoor intelligent service robot used in office buildings, restaurants, hotels, hospitals, exhibition halls, shopping malls and other places. It can provide contactless temperature measurement, voice interaction, information release and other services, which can improve the service efficiency and safety management and reduce the overall service cost for clients.

1.1 Product Functions		
Module	Function	Introduction
Attraction	Solicitation in spare time	When the robot does not interact with each other, the solicitation voice, audio file or animation is played for solicitation.
	Advertising	Configure advertisements in video and picture formats on the platform for rotation.
Temperature measurement	Body temperature measurement	After recognizing the face, perform body temperature detection and broadcast the detection result.
	Minimum temperature setting	The minimum temperature can be set, the default is 36°C, and (0.1-0.3) will be increased at random if it is lower than 36°C.
Broadcasting	Normal body temperature will not be broadcasted	This function is used for temperature measurement. It is enabled by default and cannot be disabled. Normal temperature will not be broadcasted.
	Abnormal temperature broadcast	This function is used to broadcast the abnormal body temperature of the users. It is enabled by default and cannot be disabled. Abnormal temperature will be broadcasted.
Mask	Mask reminder	When no mask is detected, the visitor will be reminded of wearing mask by the voice and interface.
Robot wakeup	Touch screen wakeup	Click Wakeup button to wakeup.

Reception	Greetings	When someone approaches the robot about 1.5 meters, the robot will broadcast the greetings.
Merchant introduction	Merchant introduction	Merchant introduction.
Consultation service	Consultation service	It is used to answer questions that users will consult in various scenes. The users can configure Q&A services and consulting services on the GF All CP Robot Operation & Management Platform to provide intelligent consulting and answering services for users.
Information display	Content/product/commodity introduction	It is used to introduce the contents in various scenes, such as the dining menu, the room type of the hotel, and the exhibits in the exhibition hall, etc., by means of pictures, videos and text.

1.2 Scene Application

Dining module	Recommendation	It is used for cuisine and activity recommendation in the dining scene.
	Menu	It is used for menu display and cuisine query in the dining scene.
	Query	Query It is used for FAQ query in the dining scene.
	Activity	It is used for cuisine and activity recommendation in the dining scene.

2FunctionIntroduction

2.1Power-on/off

2.1.1Power-on

Notethefollowingpointsbeforepower-on:

- (1)Pleaseensurethat4GsignalorWIFIsignaloftherobotisnormalandstableandcanaccesstheInternetbeforepower-on.
- (2)Pleasemakesurethepowersupplyoftherobotisnormalbeforepower-on.



Figure2-1

ShortpressPowerbuttonandreleaseitwhenabeepsoundismade.Thebuttonlightison,therobotispoweredon, andthescreendisplaysthestartuppicture(leftpicturebelow),themainpageoftherobotisstarted,andtherobote ntersthetemperaturemeasurementinterfacebydefault(rightpicturebelow), indicatingthatthesoftstartupissuccessful.



Figure2-2

2.1.2Power-off

Hold down Power button and release it until three long beeps are made. When the button light is off and the screen is off, the soft power-off of the robot is successful.



Figure2-3

After soft power-

off, some hardware inside the robot still works normally. If you want to completely power off the robot, please unplug the power cord for hard power-off after soft power-off.

Note the following points after power-off:

- (1) Place the robot in the designated safe position and cut off the power supply.
- (2) Protect the robot and ensure that the robot is kept in a dry and clean environment.

2.2 Network Configuration

Enter the [main interface] of the robot, click the red box button as shown in Figure 2-4 below, enter [Settings], enable WIFI, find the corresponding WIFI name in the WIFI list, and enter the password to connect. After the connection is successful, "Connected" is displayed under the WIFI name.

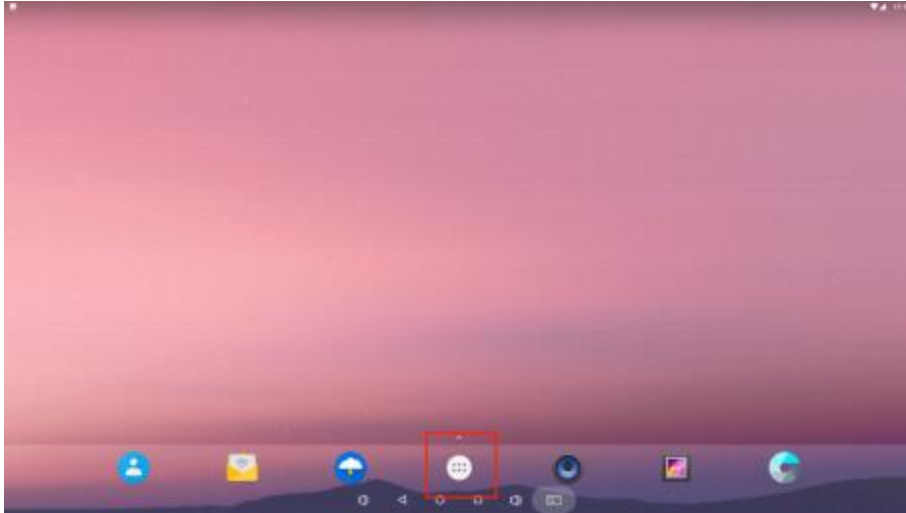


Figure2-4

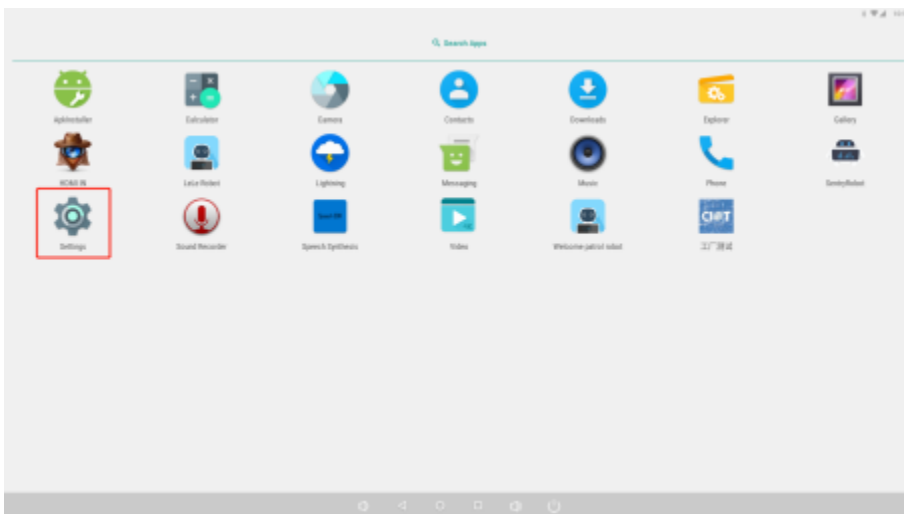


Figure2-5

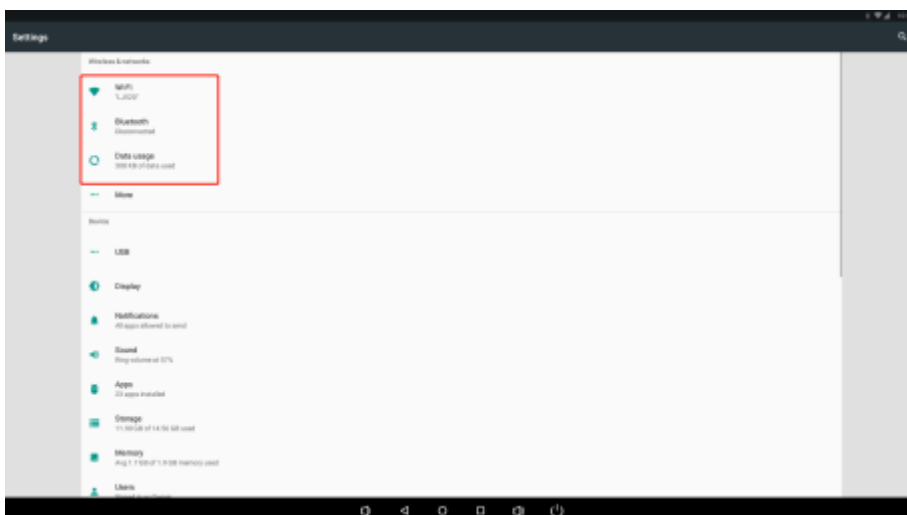


Figure2-6

2.3 Product Configuration

In order to ensure the normal use of the intelligent reception robot APP, the relevant configurations shall be completed. The configuration consists of two parts:

- (1) Configuration of Human-machine Collaboration Comprehensive Service Platform
- (2) Robot Configuration

2.3.1 GFAIICP Robot Operation & Management Platform (Client)

Human-

machine Collaboration Comprehensive Service Platform is mainly used to view the temperature measurement and the access data and configuration recommendation, menu, activity, consulting service and other information of the robot. For the operation and configuration of the platform, please refer to the Guide for Configuration of Human-machine Collaboration Service Platform (Catering).



Figure2-7

2.3.2 Robot Configuration

Open [Intelligent Reception Robot] APP, click [Status Bar] of [Main Interface] for 8 times consecutively, as shown in Figure 2-8, enter the password 2020, and enter [Settings] interface as shown in Figure 2-9-1.

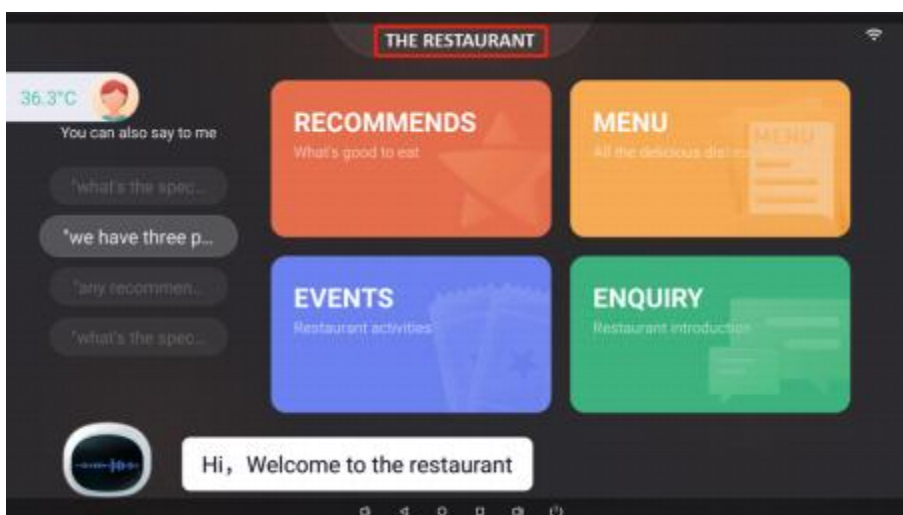


Figure2-8

(1)AboutDevice

Devicenumber:Therobotnumbercannotbemodified,otherwisethecloudserviceoftherobot cannotbeused.

Frontgateway:Cloudservergatewayaddress.Itistheproductionserverbydefault.Itisnotrecom- mendedtochangetheaddress,otherwisetherobotcannotbeconnectedtotheserver.

Semanticserver:Semanticserveraddress.Itistheproductionserverbydefault.Itisnotrecommen- edtochangetheaddress,otherwisetherobotcannotbeconnectedtothesemanticserver.

Softwareversion:Thenameofthecurrentrobotapplicationsoftwareversion.Itisrecommendedtoupdateto thelatestversionintimeforbetterapplicationexperience.

ICCID:TheidentificationnumberoftheIoTcard,whichisusedastheuniqueidentifieroftheIoTcard.

Operator:NetworkoperatorthatdisplaystheIoTcard.

Trafficused:Trafficdatausedinthismonth

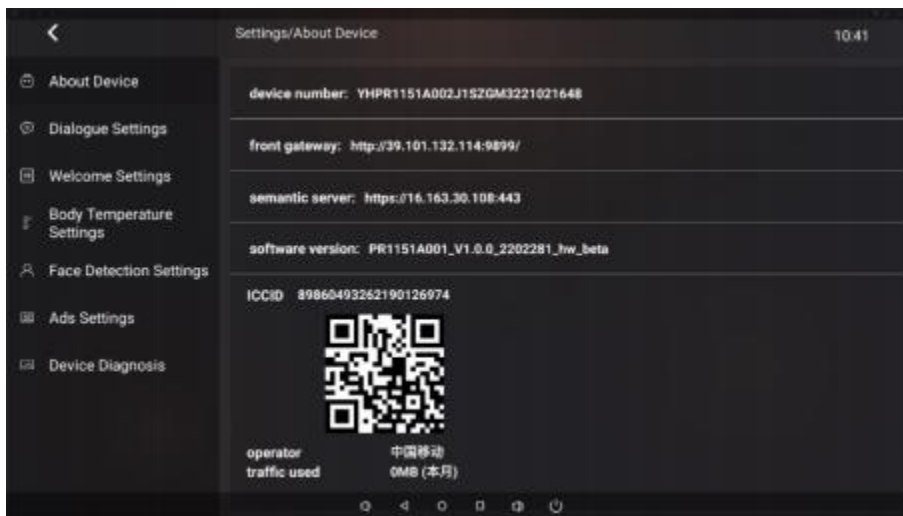


Figure2-9-1

(2)DialogueSettings

Dialogwindowlock:Themodeofenteringthe[Settings]interface,whichisdisabledbydefault.Whenitisenabl ed,it isnecessarytoentertheadministratorpasswordtoenterthe[Settings]interface;Whenitisdisabled,youon lyneedtocontinuouslyclickthestatusbarfor8timestoenterthe[Settings]inter- face.

Whethertodisplayvirtualbuttonnavigationbar:itisusedtodisplayandhidethevirtualnavigationbardispla yedbyslidingupanddownonthesystem.Whenthisfunctionisenabled,thenavigationbarisdisplayed;whenthi sfunctionisdisabled,thenavigationbarishidden.

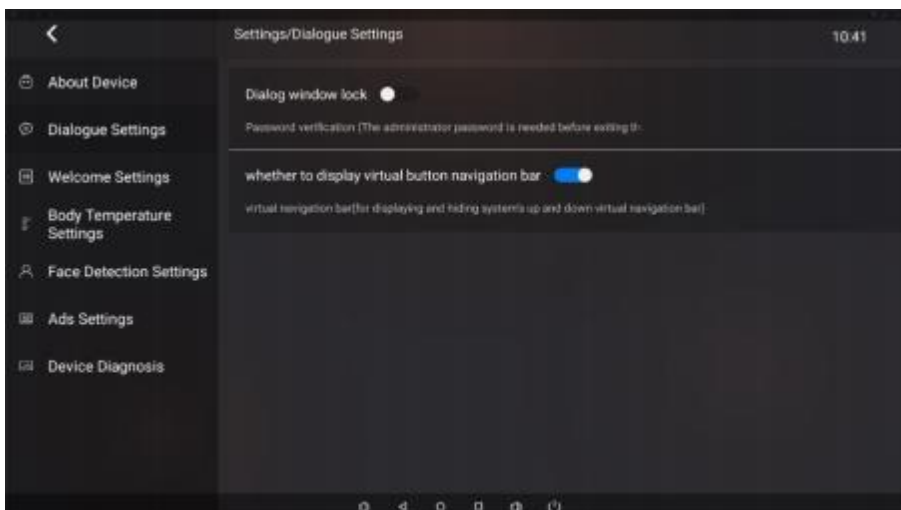


Figure2-9-2

(3)WelcomeSettings

WelcomeSettings:itisusedtosetthegreetings.Whenthebotdetectsaface,itcanbroadcastthegreetings.Tobroadcastthegreetingsaccordingtotheidentityoftheidentifiedperson,goto[LinkGCloudHuman-machineCollaborationComprehensiveServicePlatform][SolicitationReception]toset.

Broadcastinsparetime:switchforcontrollingthebroadcastoftherobotinsparetime.Whenitisenabled,therobotwillbroadcastinsparetime;whenitisdisabled,therobotwillnotbroadcastinsparetime.

MediaVolume:itisusedtosetthesystemvolumeoftherobot.

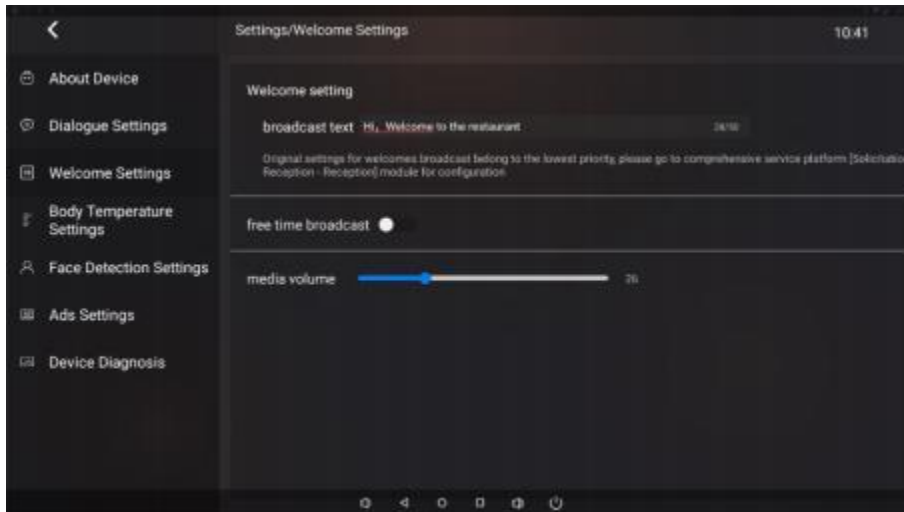


Figure2-9-3

(4)BodyTemperatureSettings

Temperaturemeasurementswitch:Theswitchisenabledbydefault.Whentheswitchisenabled,therobotcannmeasurethetemperatureandbroadcastthetemperaturemeasurementresult.Ifthetemperatureisnormal,abnormaltemperaturewillbebroadcasted.

Temperaturethreshold:maximumnormaltemperature.Ifthetemperatureexceedsthisthreshold,itwillbeconsideredabnormal.Thevalueis37.3°Cbydefault,whichcanbeadjustedaccordingtothespecialapplication scene.

Lowerbodytemperaturelimit:Thisparameterisenabledbydefault.Thevalueis36°Cbydefault.Whenthe temperatureislowerthan36°C,thevaluewillbeincreasedrandomlyby(0.1-0.3)andcanbeadjustedaccordingtothespecialapplicationscene.

Warningfor not wearing a mask:thisfunctionisdisabledbydefault.Whenthefunctionisenabledandtherobotdetectsthat someone does not wear the mask, the voice prompt "Please wear a mask" will be made.

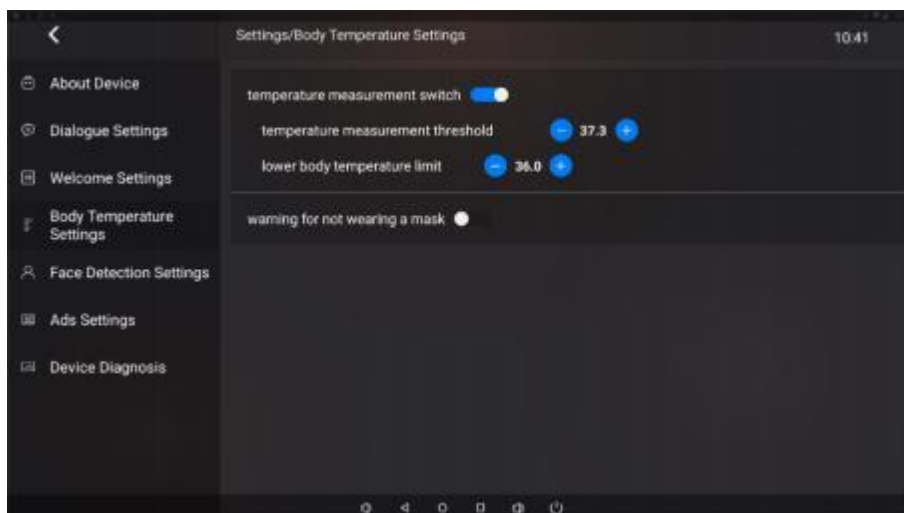


Figure2-9-4

(5)FaceDetectionSettings

Voiceactivationbyface:thisfunctionisenabledbydefault.Afterthisfunctionisenabled,voiceinter-actionwillbeenabledwhenthe robot detects a face. After this function is disabled, voice interaction will not be enabled when the robot recognizes a face. You need to click the voice interaction button to initiate a voicedialog.

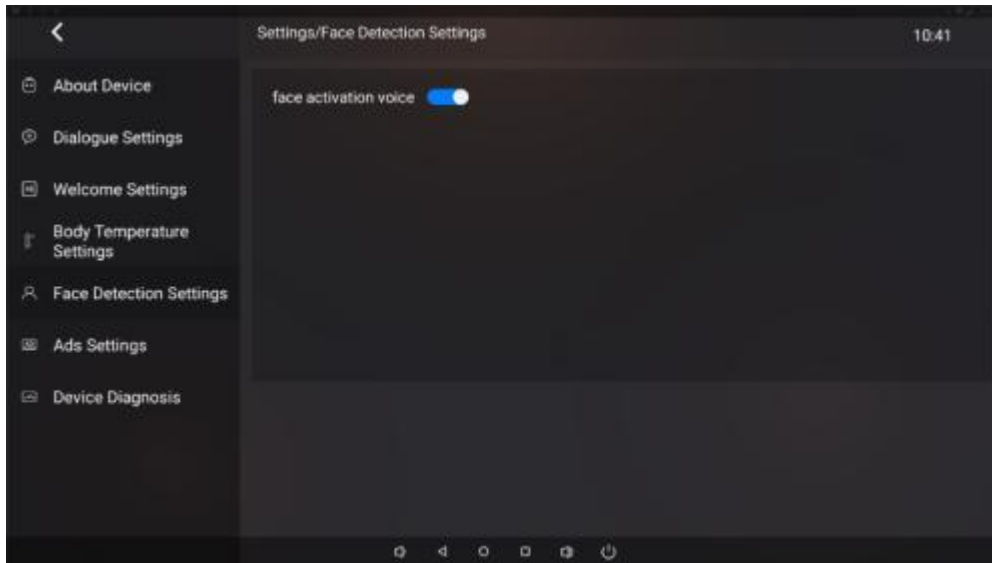


Figure2-9-5

(6)AdsSettings

Lowerbig screen: it is used to control the volume of video ads on the lower secondary screen.

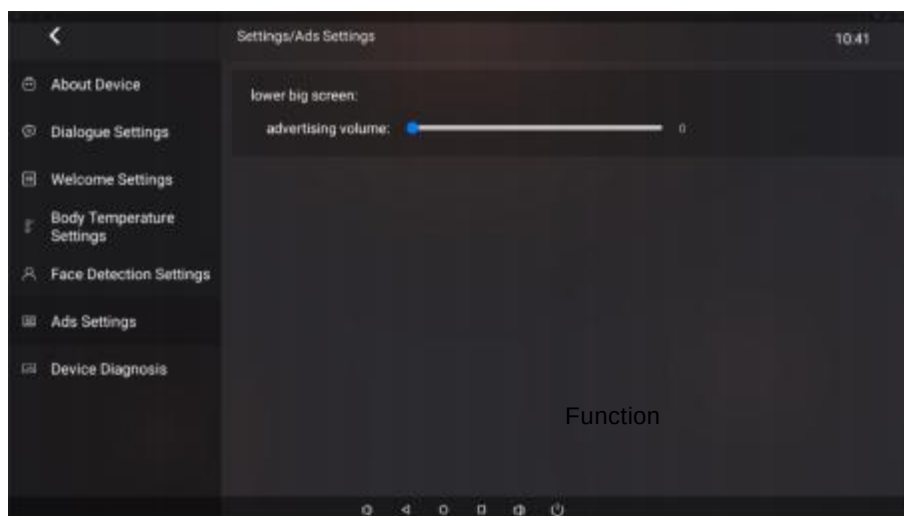


Figure2-9-6

(7) Device Diagnosis

Network module: it is used to detect whether the network module is normal.

Voice recognition module: it is used to detect whether the recording module is normal and whether the voice authorization is successful.

Face recognition module: it is used to detect the initialization status of the face recognition module and the camera.

Infrared temperature measurement module: it is used to monitor the initialization status of the infrared temperature measurement module.

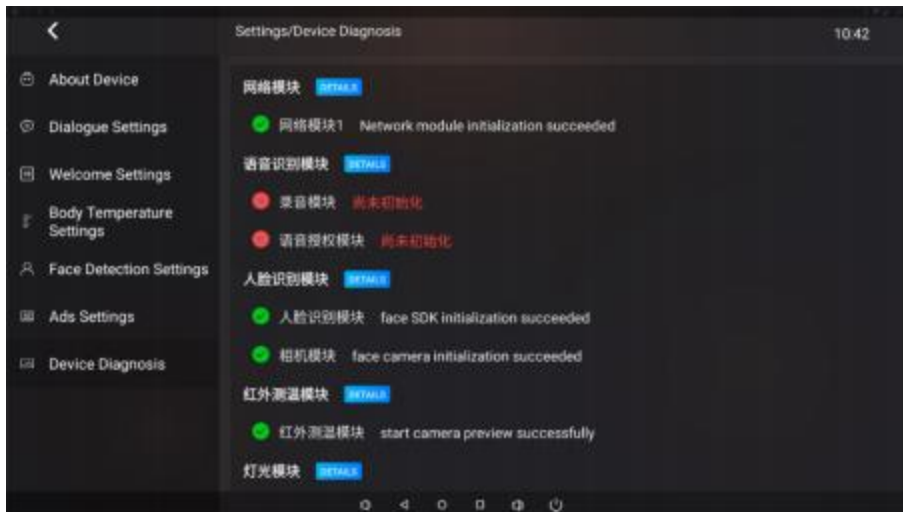


Figure2-9-7

2.4 Catering Software Introduction

2.4.1 Main Interface

Open the [Intelligent Reception Robot] APP and enter [Main Interface] as shown in Figure 2-10.

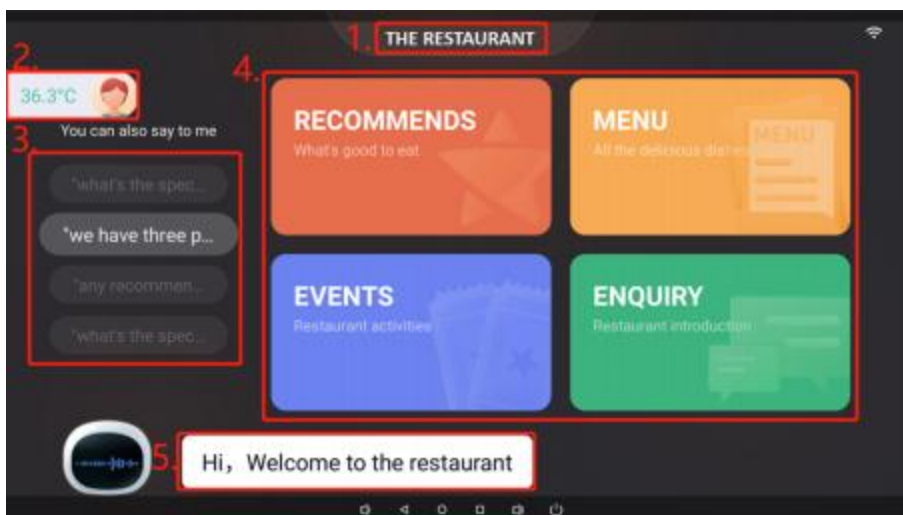


Figure2-10

(1) Business name: THE RESTAURANT by default, which can be changed in [Comprehensive Service Platform][Business Management].

(2) The real-time temperature measurement data is displayed by default.

(3) Bubble words: take the basic question and answer data of the platform for display, play for 3s in turn, click or give voice to go to the consulting page.

(4) Voice recognition area: click to recognize voice, display the text result and the robot prompt in real time.

(5) Function area: click or give voice to enter the corresponding function interface.

2.4.2 Temperature Screening

Within 1-3 seconds after entering the temperature recognition area, the robot completes the temperature measurement independently, and then synchronizes the temperature measurement data to Human-machine Cooperation Comprehensive Service Platform. You can log into the platform to view more temperature measurement conditions. Temperature screening may appear as follows:

(1) Normal body temperature

When the body temperature is normal, the temperature value of the person will be displayed in the temperature measurement chart, and the temperature value and status will be displayed in the upper left corner of the interface. The light color of eyes and ears for the robot will remain unchanged, and the robot will broadcast by voice.

(2) Abnormal body temperature

When the body temperature is abnormal, the pop-up window will appear as shown in Figure 2-11. The eye light of the robot turns red and flashes, and the ear light turns red, and "Temperature anomalies. Please stay here, and waiting for staff" will be broadcasted by voice. In this case, other functions are disabled. After the temperature is normal, the abnormal temperature dialog box will disappear.

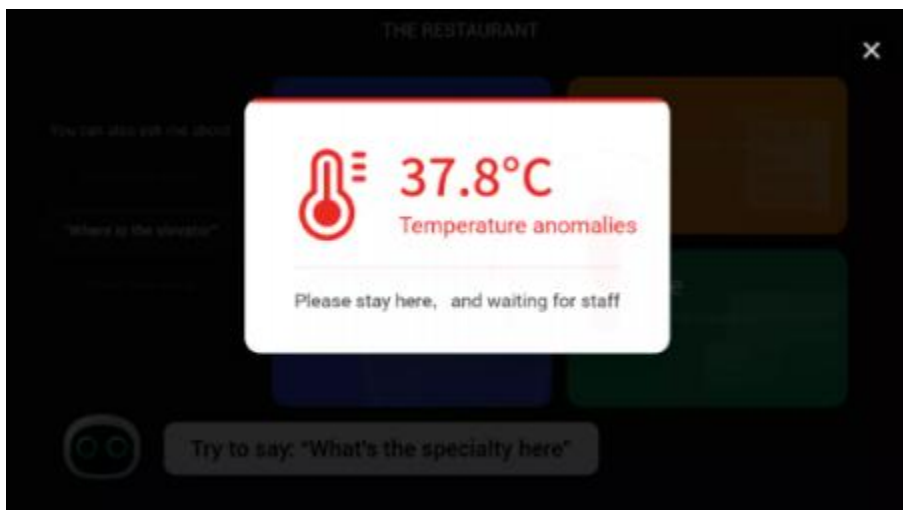


Figure2-11

2.4.3 MenuPage

Click Menu on [Main Interface] or say Menu, and the interface shown in Figure 2-12 will appear. Configuration method:

- (1) Configure Cuisine Classification in [LinkG Cloud Human-machine Collaboration Comprehensive Service Platform]-[Cuisine Management-Cuisine Classification] according to the actual situation, and click Save.
- (2) Configure Cuisine Information in [LinkG Cloud Human-machine Collaboration Comprehensive Service Platform]-[Cuisine Management-Cuisine Configuration] according to the actual situation, which is displayed on the front page according to the selection of different cuisines.

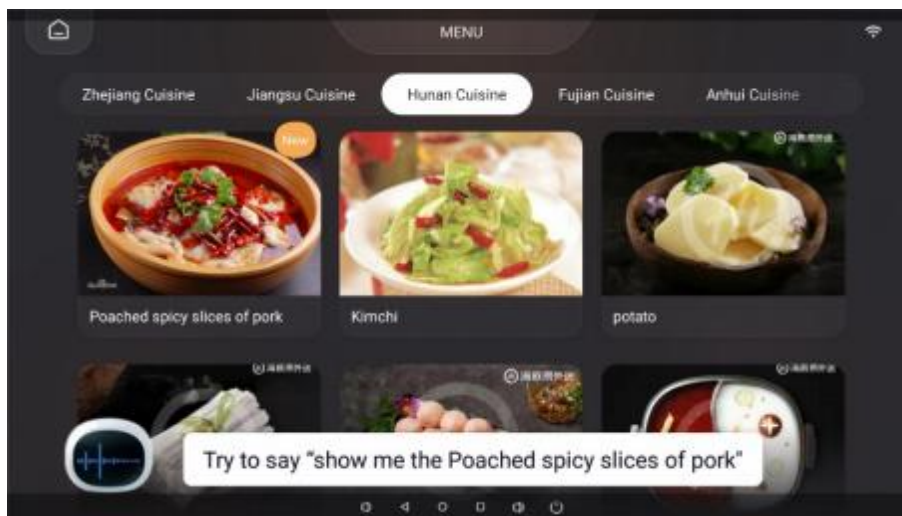


Figure2-12

2.4.4 ActivityPage

Click Activity on Main Interface or say Activity, and the interface shown in Figure 2-13 will appear. Configuration method:

First configure in [Cloud Human-machine Collaboration Comprehensive Service Platform]-[Catering Activity] according to the actual situation, click Add after the configuration, and then the activity module at the robot end can be displayed.

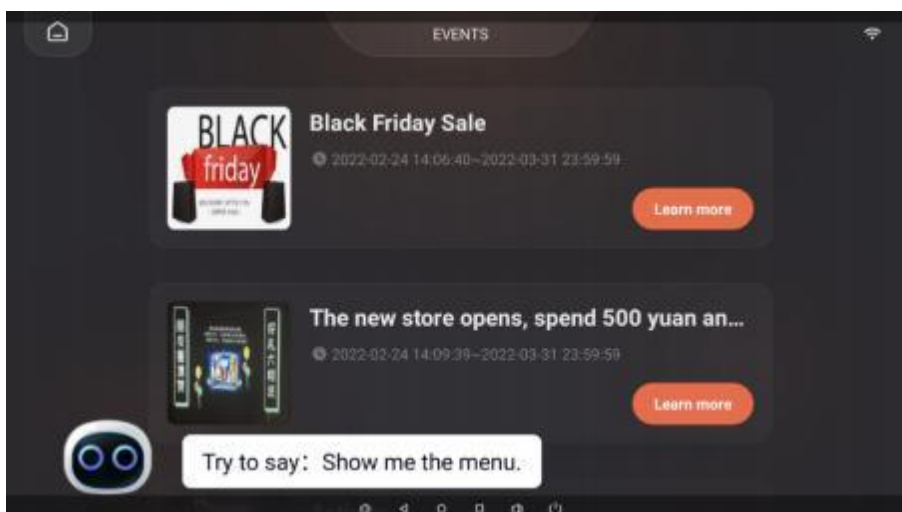


Figure2-13

2.4.5 RecommendationPage

When no one operates, the screen will display recommended cuisines and merchant activity information in turn, as shown in Figure 2-

14. At this time, click the screen to enter [Main Interface]. Users can also enter this page again by clicking or saying "Recommend" in [Main Interface].

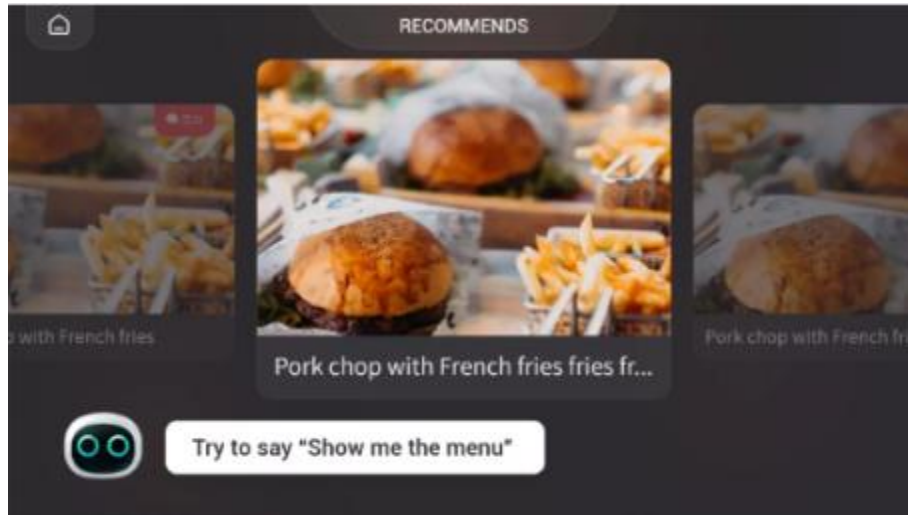


Figure2-14

Configuration method:

(1) Recommended cuisines: the merchant can configure in [LinkGCloud Human-machine Collaboration Comprehensive Service Platform] - [Cuisine Management - Cuisine Configuration] according to the actual situation. If any of the specialty or new dishes are enabled, it can be displayed in RecommendationPage.

(2) Activities: the merchant can configure in [LinkGCloud Human-machine Collaboration Comprehensive Service Platform] - [Dining Activities] according to the actual situation, and the activities will be displayed in RecommendationPage when "Enable when Canvassing" is enabled.

2.4.6 Consultation Service

Click Consultation Service on [Main Interface] or say "View all consultation services", and the interface shown in Figure 2-15 will appear.

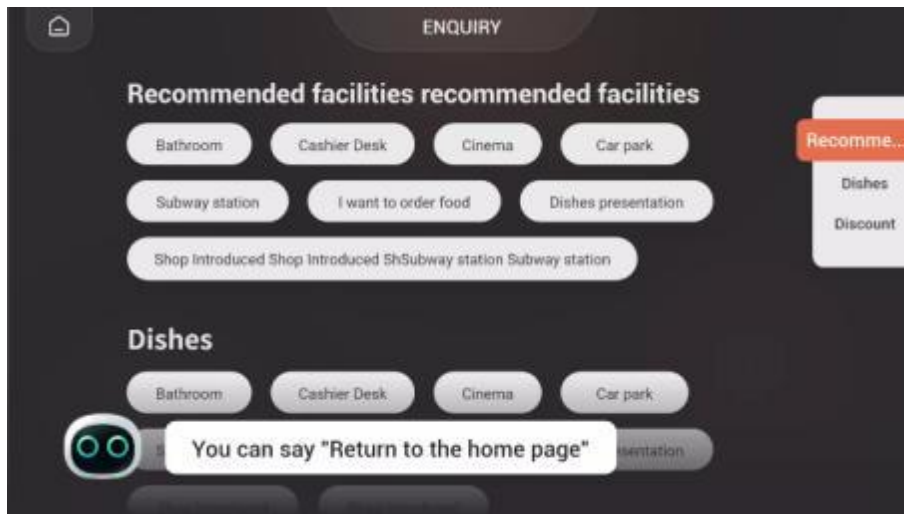


Figure 2-15

Users can customize labels to classify consultation contents, and add high-frequency questions and answers to the corresponding categories. Users can get answers by asking questions by voice or clicking keywords to link to the question details page, as shown in Figure 2-16.

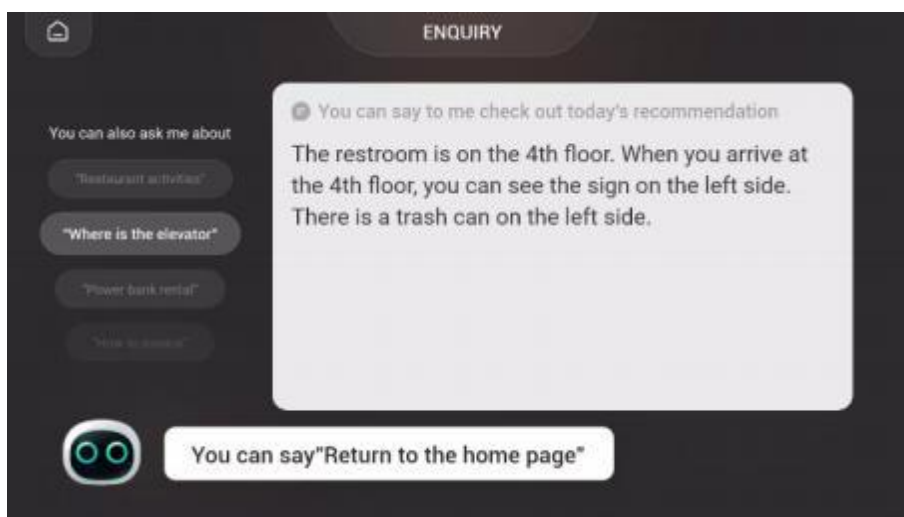


Figure 2-16

Configuration method: Click in [Link GCloud Human-machine Collaboration Comprehensive Service Platform]-[Information Settings-Dining Q&A] to add and configure different types of high-frequency questions and correct answers according to the actual scene and high-frequency questions, and display and broadcast to users through the robot.

FCC Compliance Statement

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC information

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.