

# PPBot User Manual

Welcome to start using PPBot!

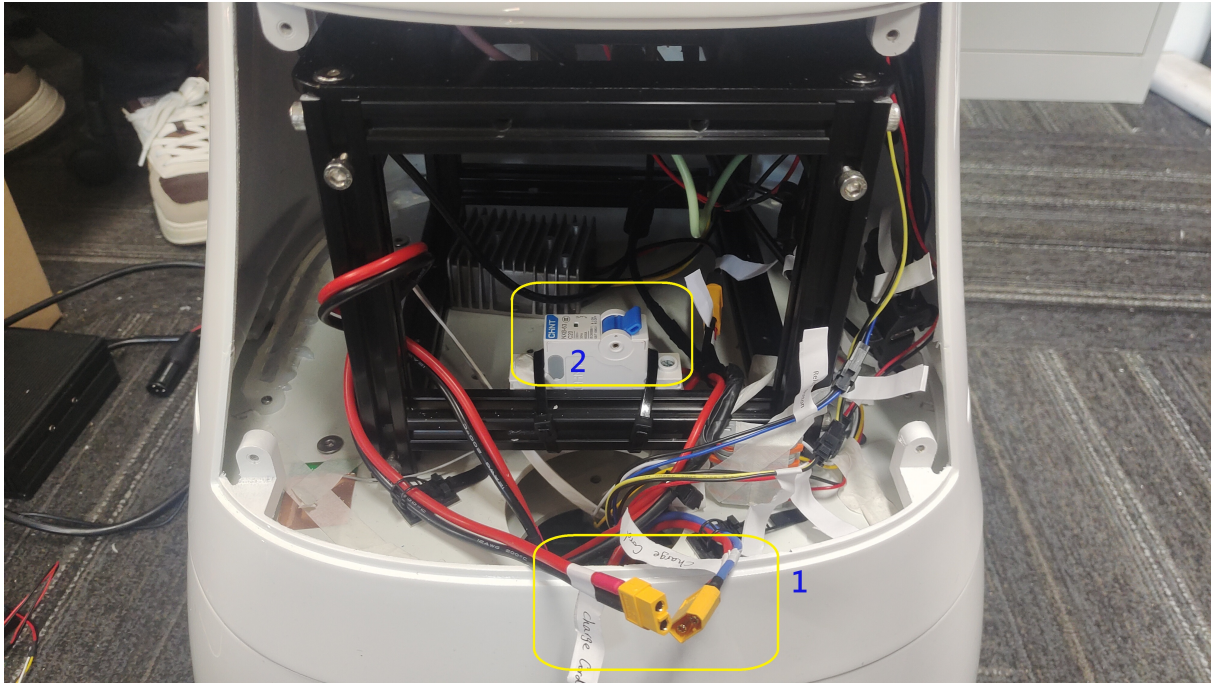
This manual will help you get started with our robot product.

## 0. Initial Set Up

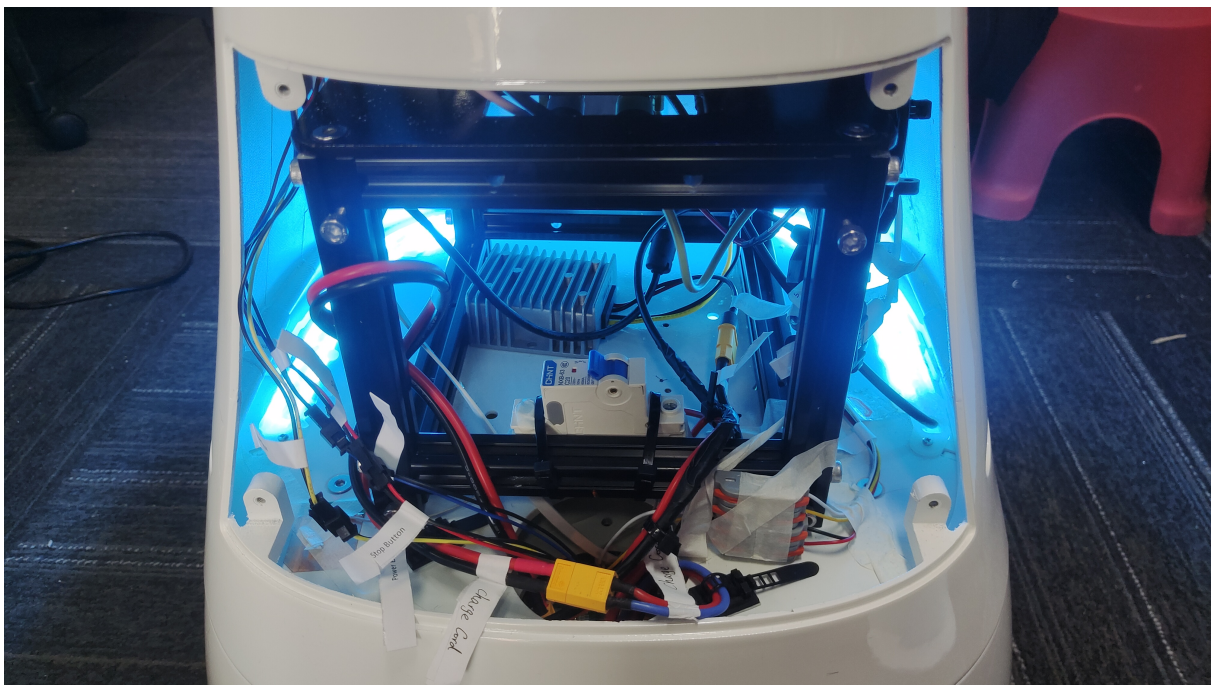
Open the maintenance cover on the back.



Then connect charge cord as show in pic marked 1, and then toggle on the switch as show in pic marked 2.



When robot powered on, you will see as follows:



## 1. Preparation

1. The robot needs to be powered on and booted up.

Place PPBot at the charging pile, then press the middle button (power button) to power on.



Red button is for Emergency Stop.

Third button is for manual control when PPBot is at power on status. when button pressed, user can move it to any location.

## 2. Main Operation on Screen





Guide us Forward



Narration Service

WELCOME  
欢迎使用



This is the interface of PPBot.

Battery status and settings icon at the top.

Click Guide us Forward and you will see:



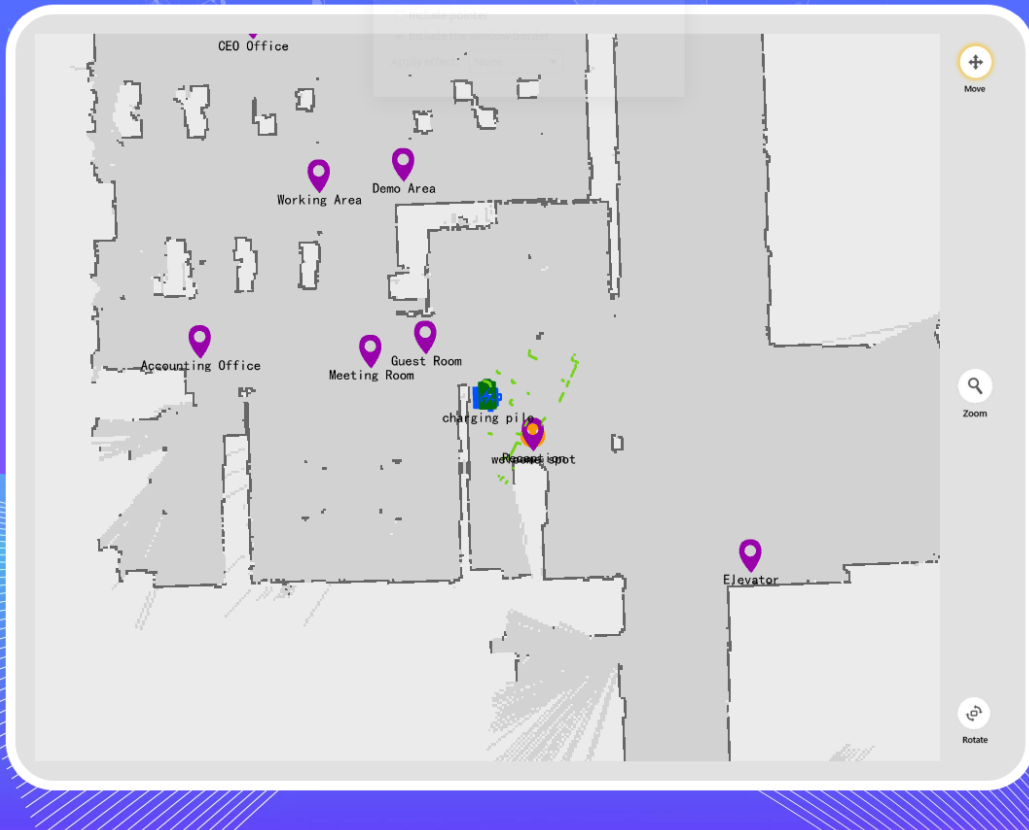
# Guide us Forward

Click the Spot to Guide Forward

Reception	Guest Room	Meeting Room	Accounting Office
Demo Area	Rest Area	CEO Office	Wash Room
Elevator	Working Area		

Return to the Welcome Spot

Return to the Charging Pile



Click on the SPOT and PPBot will bring you to the spot.

Click Narration Service and you will see:



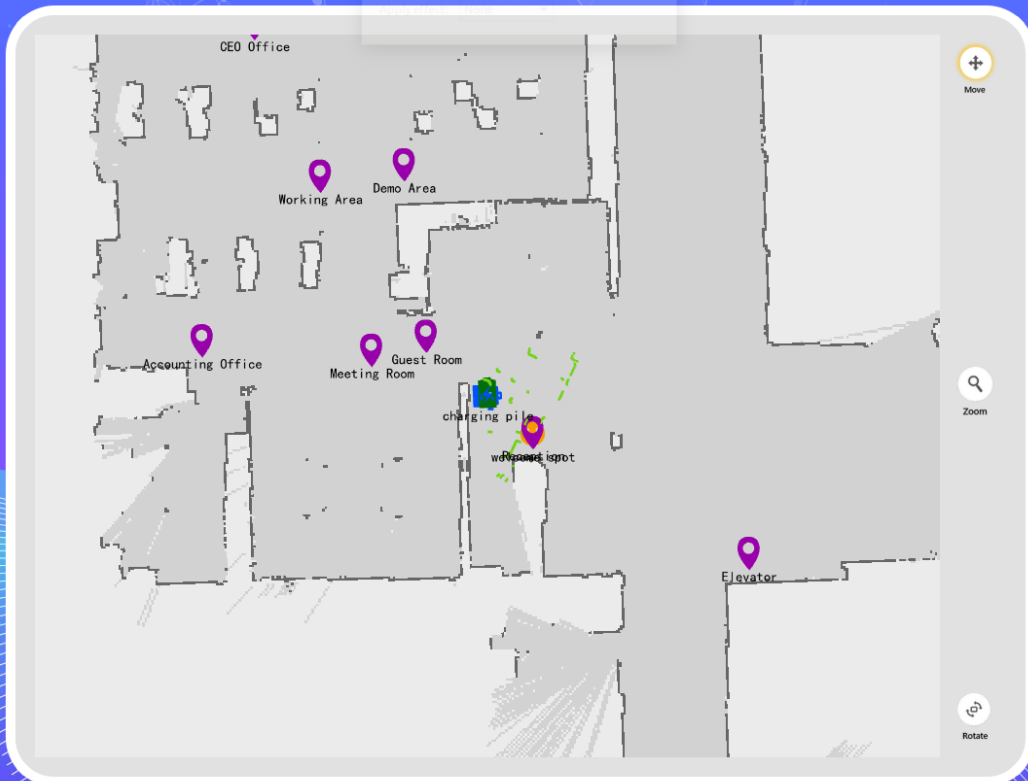
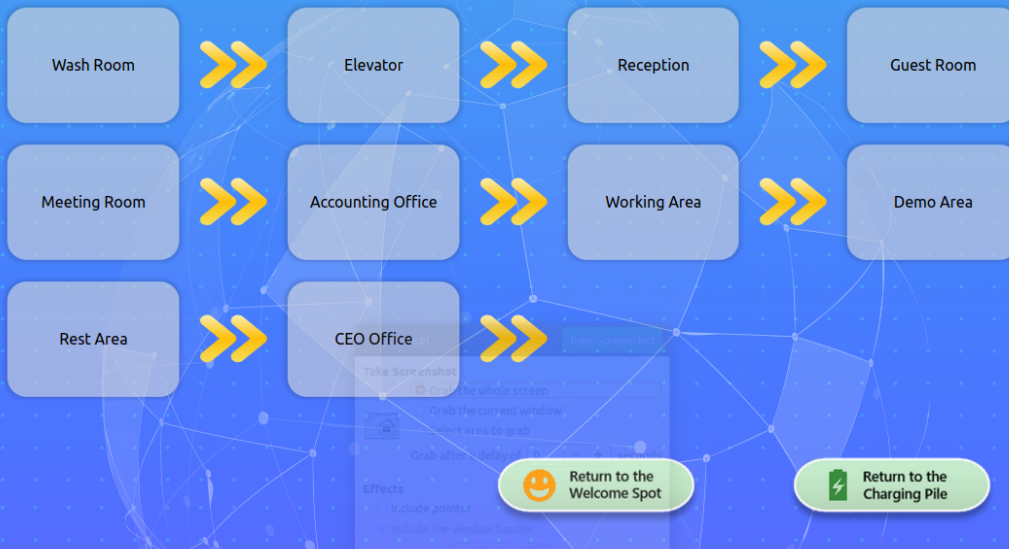


# Narration Service



Sequential Spot Narration

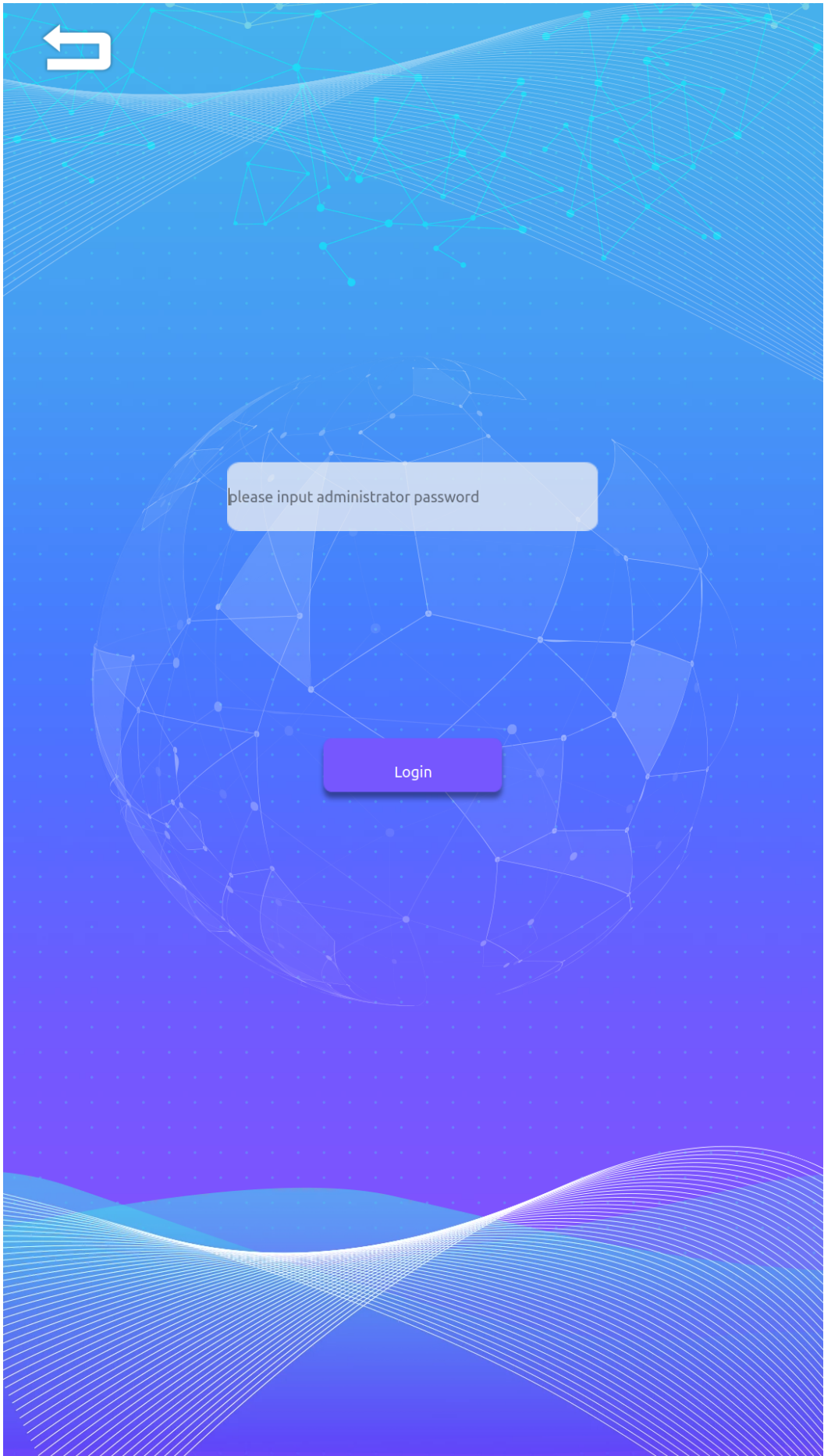
## Current Narration Route



Click on Sequential Spot Narration and PPBot will introduce from one spot to another in a fixed sequence.

## **2. PPBot Settings**

Click Settings Icon:





Default password is: cpjrobot (lowercase)



Click Login button to enter:





Map and Content  
Management

Narration Route Settings

WIFI Settings

System Settings

Content Import

This the main settings page.

- **Map and Content Management**

←

Set Welcome Spot

Set Charging Pile

+ Add Navigation Spot

- Delete Navigation Spot

Current Spot

Reception

Guest Room

Meeting Room

Accounting Office

Demo Area

Rest Area

CEO Office

Wash Room

Elevator

Working Area

Update TTS Files

Save Current Map

Load the Saved Map

When robot arrives or being moved to a place

— click Set Welcome Spot and the spot on map (current spot) will be Welcome Spot, PPBot will welcome guests at this spot.

— Click Set Charging Pile and the spot on map (current spot) will be Charging Pile location, PPBot will return when battery goes low and self-charge at this spot.

— Add Navigation Spot

Click + button and by default new spot will be created with name place plus numbers (eg. place 13 as shown below)



Current Spot Coordinates: X: 158.00000, Y: 0.00000, Z: 0.00000  
, OX: 0.00000, OY: 0.00000, OZ: 0.00000, OW: 0.00000

Name  \*

Before Go Tip

Arrived Tip

Arrived Introduce

Voice

Image

Video

On Goning Voice

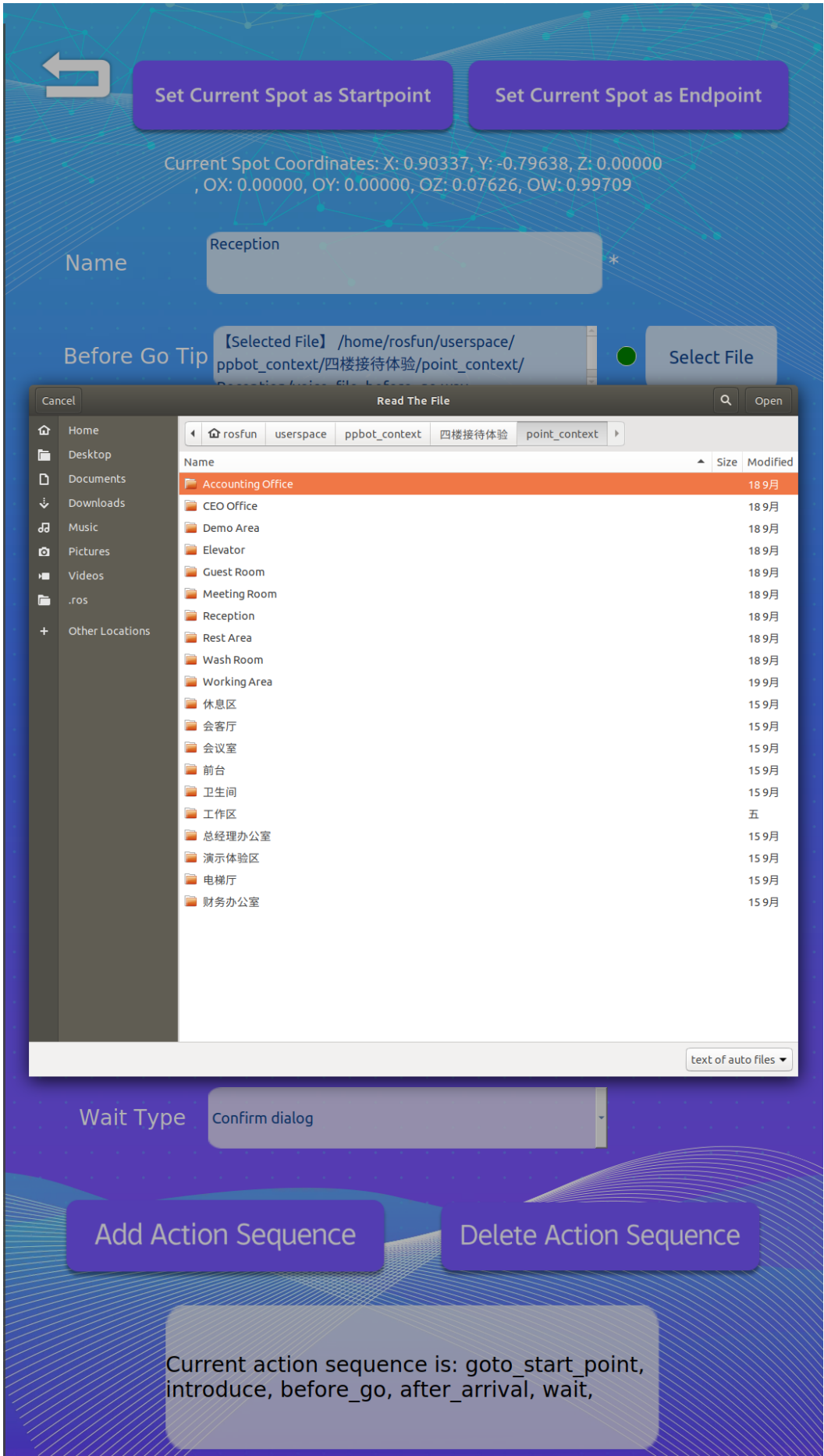
Wait Time

Wait Type

Current action sequence is:

The default parameters are empty by default. User can click one by one to add data to a spot.





Click Select File, a pop out will show, and user can select text, audio, video, image etc. files accordingly.

— Arrive Introduce can be set Voice Plus Image, Audio Only or Video Only, show as below:

←

Set Current Spot as Startpoint
Set Current Spot as Endpoint

Current Spot Coordinates: X: -3.27709, Y: 4.67701, Z: 0.00000  
, OX: 0.00000, OY: 0.00000, OZ: -0.00809, OW: 0.99997

Name  \*

Before Go Tip  ● Select File

Arrived Tip  ● Select File

Arrived Introduce

Voice  ● Select File

Image 【Click Reselect】

Video

On Goning Voice  ● Select File

Wait Time

Wait Type

Add Action Sequence

Delete Action Sequence

Current action sequence is: goto\_start\_point, introduce, before\_go, after\_arrival, wait,

←

Set Current Spot as Startpoint
Set Current Spot as Endpoint

Current Spot Coordinates: X: -3.27709, Y: 4.67701, Z: 0.00000  
, OX: 0.00000, OY: 0.00000, OZ: -0.00809, OW: 0.99997

Name  \*

Before Go Tip  Select File

Arrived Tip  Select File

Arrived Introduce

Voice  Select File

Image

Video

On Goning Voice  Select File

Wait Time

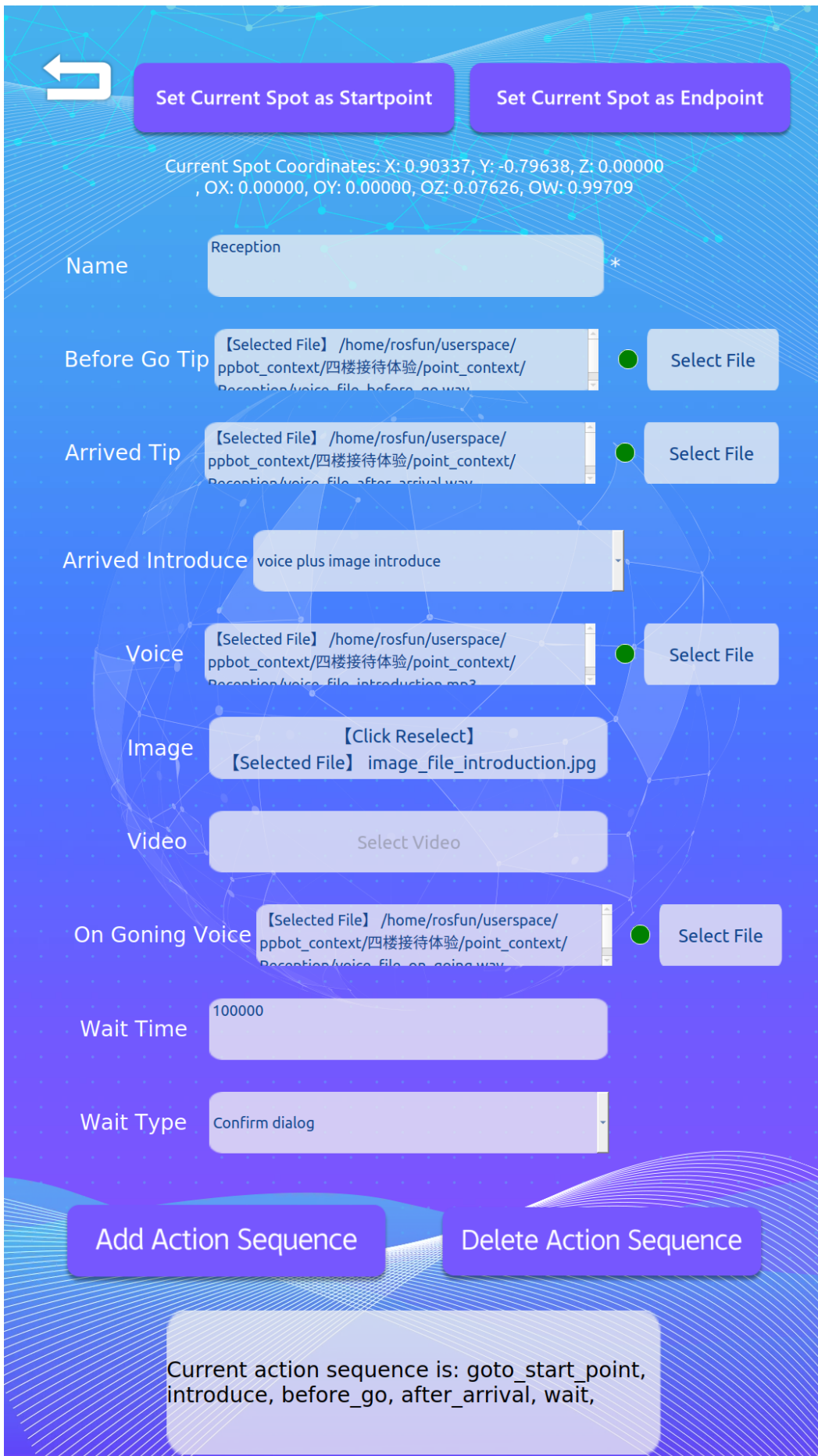
Wait Type

Add Action Sequence

Delete Action Sequence

Current action sequence is: goto\_start\_point, introduce, before\_go, after\_arrival, wait,





— Delete Navigation Spot

- **Narration Route Settings**

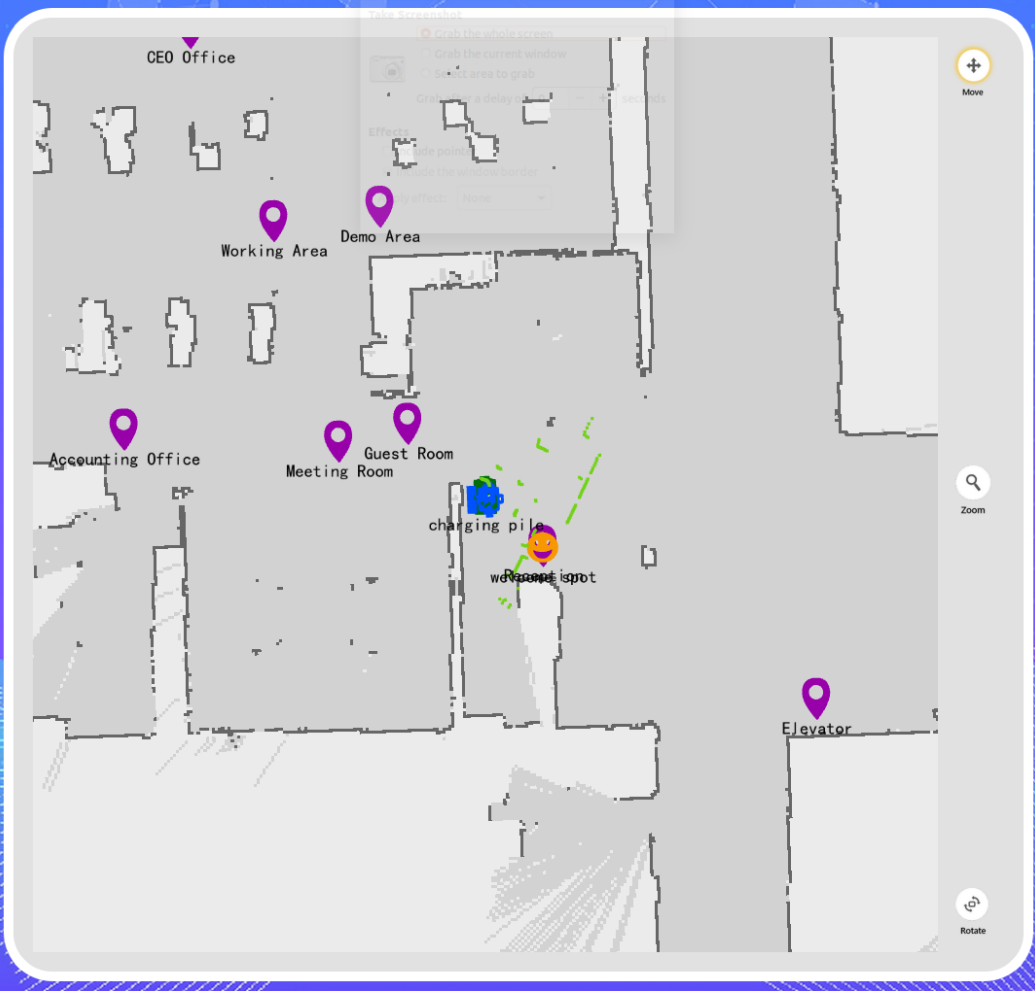
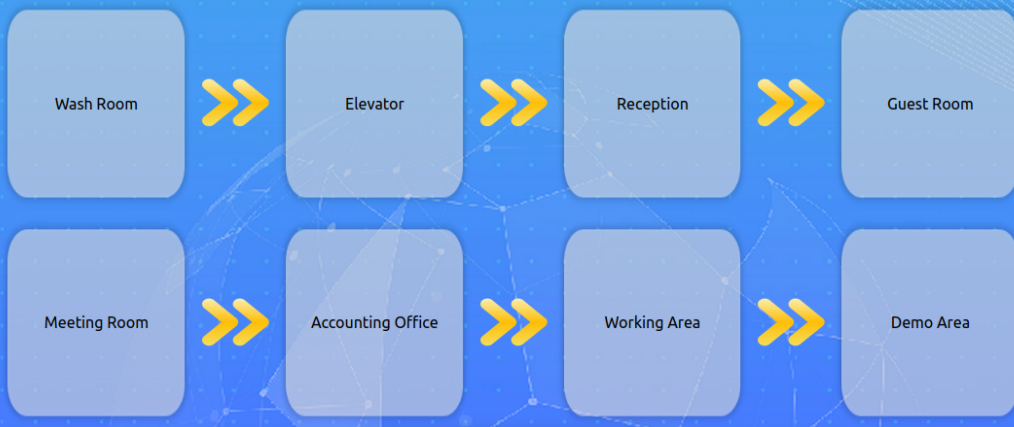




+ Add Narration Spot

- Delete Narration Spot

Current Introduction Route

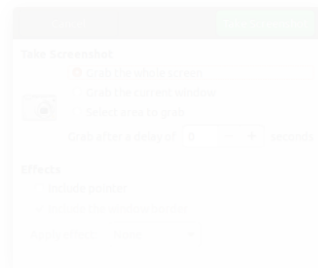


— Add Narration Spot



## Sequence of actions as follows:

```
goto_start_point  
introduce  
before_go  
after_arrival  
wait
```



Click a spot name to add it to the narration sequence.

— Delete Narration Spot



## Sequence of actions as follows:

```
wait  
introduce  
before_go  
on_going  
goto_start_point  
goto_end_point  
after_arrival
```



Click a spot to remove a spot from the sequence.

By removing and adding spots you can change narration orders.

- **WIFI Settings**





Click Scan WIFI button



Click the SSID which you would like to connect and you will be redirected to password enter page



Scan WIFI

CPJ\_PPBOT\_001



TP-LINK\_CPJ



llinks



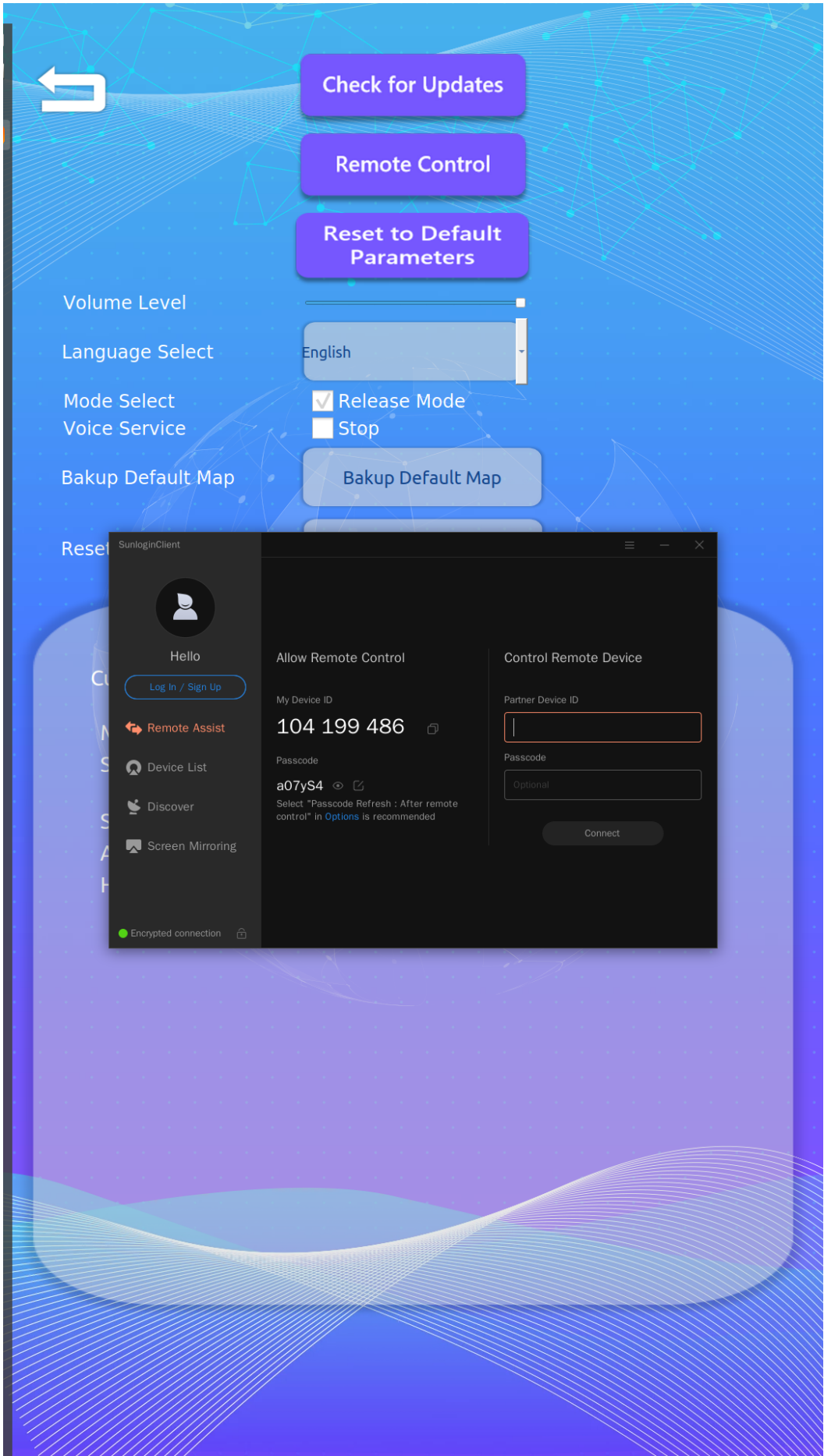
And a Right mark will show in front of SSID, you are now connected.

- **System Settings**





Strongly recommend users to check updates and keep the robot up to date.

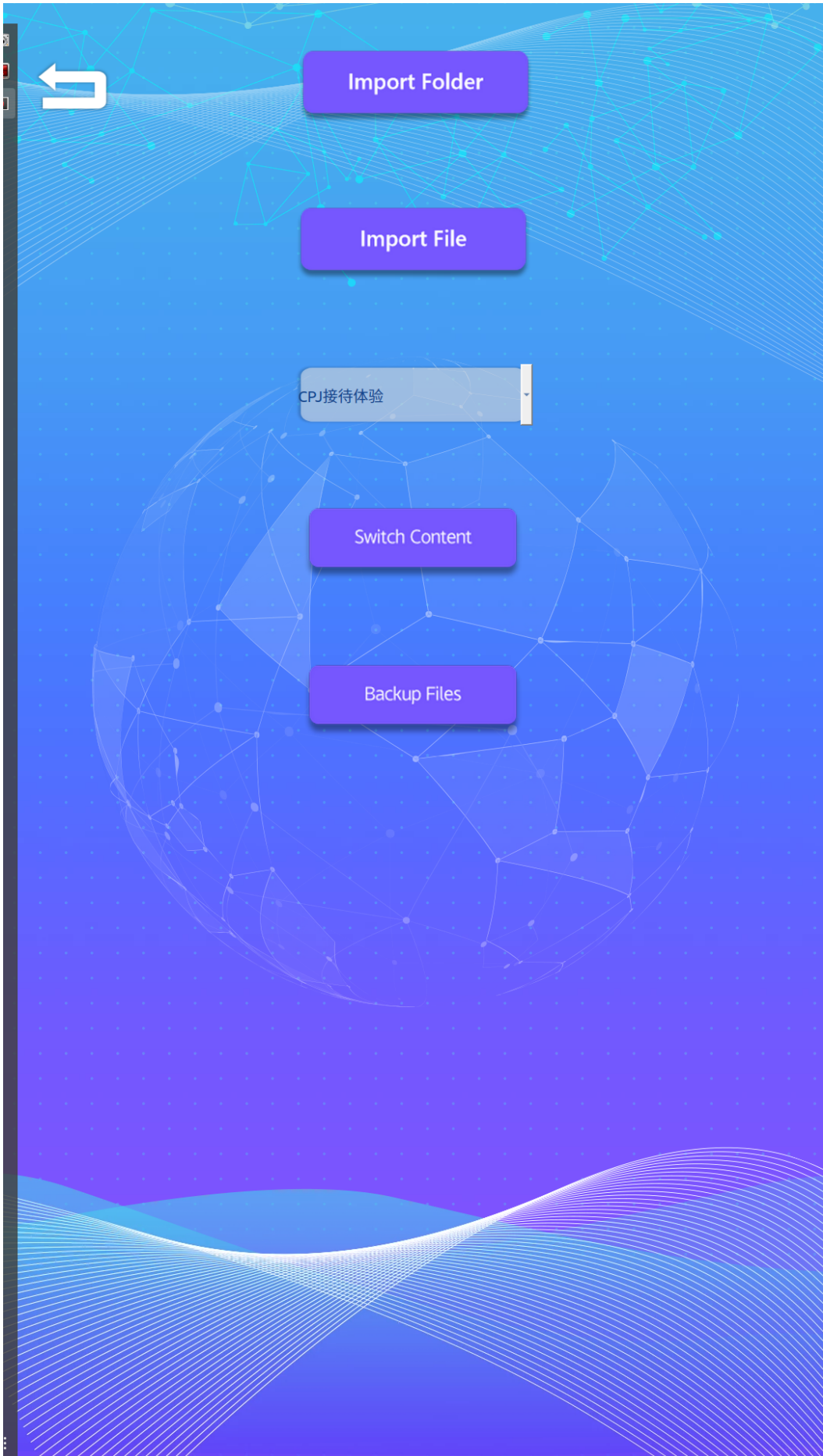


Click remote control and send the device ID to our tech team you will receive remote assistance for trouble shooting and problem solving.

User can switch system language by clicking Language Select button and save when exit.

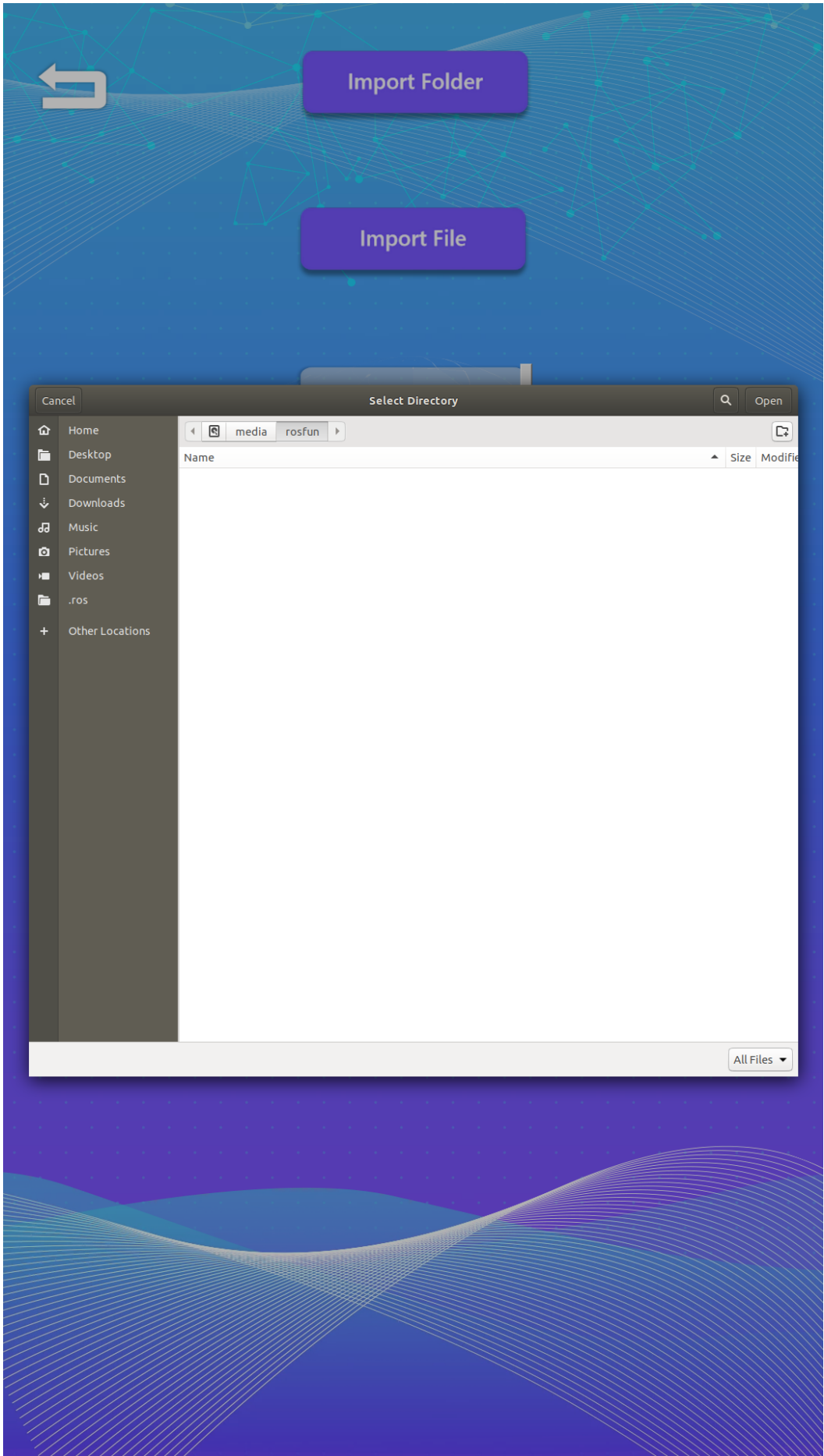
If Restore to Default Parameters clicked, PPBot will perform a factory reset and all setting and contents will be removed.

- **Content Import**









### **3. Basic Operations**

#### 1. Voice Interaction

- Say "Hi PPBot" to the robot, and it will respond verbally.

#### 2. Face Recognition

- The robot can recognize human faces and welcome guests when face approaching into a 1.5meter range.

#### 3. Guided Tours

- Say "Give me a tour of this exhibition hall". The robot will start a guided tour of the current environment using a pre-set sequence.

#### 4. Screen Operation



Guide us Forward



Narration Service

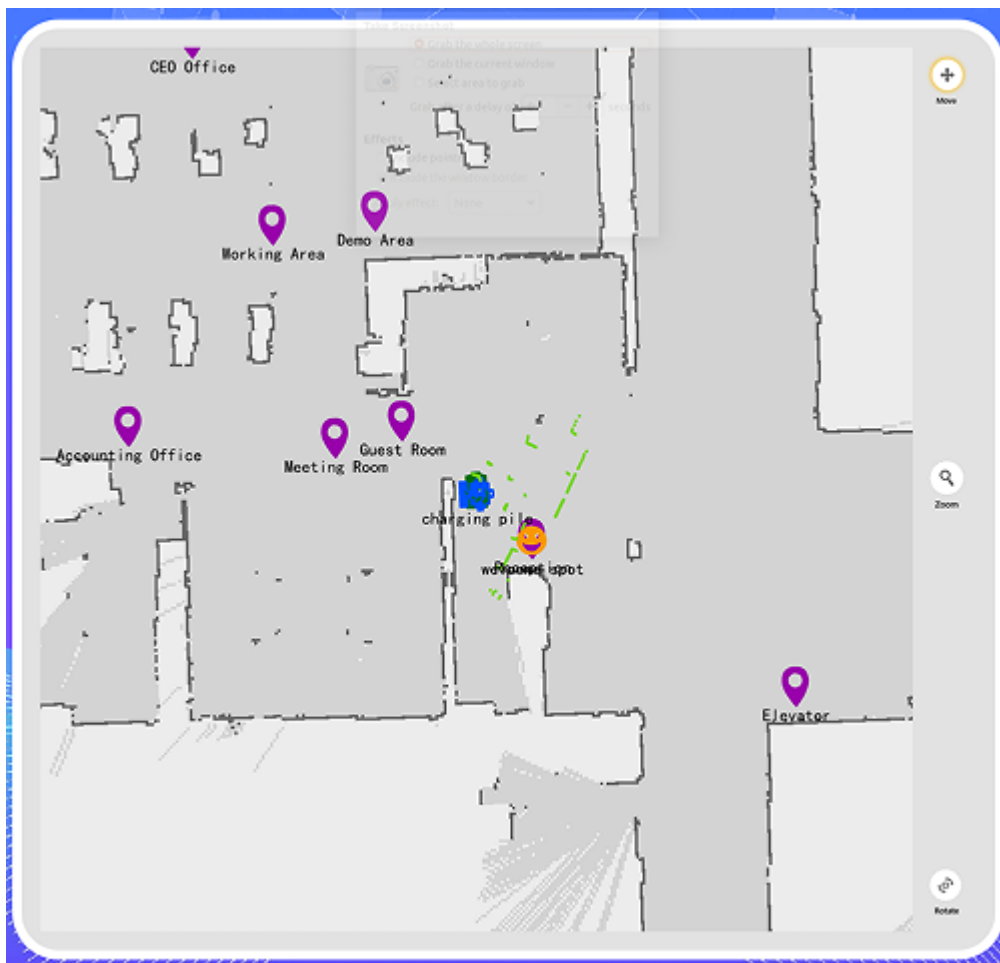
WELCOME  
欢迎使用

- Click Guide Us Forward and then click on a spot, PPBot will lead you there.
- Click Narration Service and then click Sequential Narration, PPBot will starting narration service from startpoint to endpoint. Or you can click on a single spot to get narration service on a specific spot.

## 4. Scene Mapping

1. The robot can scan the surroundings and create a map in real time.

put PPBot into manual mode and moving it to spots you would like to add to the map, and the map will be created in real time.



3 buttons on the right side of the map.

Move, you can move the map in a flat surface.

Zoom, you can zoom in or out to see enlarged spot or the whole area.

Rotate, rotate the map to get into a different angle view.

## 5. Charging

### 1. Placement of charging dock

- Please place the charging dock in the robot's working area. The dock should be fixed in position and powered on.

### 2. Robot charging

- When battery is low, the robot will automatically find and return to the charging dock.
- You can also manually control the robot to return for charging via the app.



Light has two colors, Red-not charging, Green-Charging.

### 1. Charging time

- Full charge takes about 4 hours. The robot will automatically leave the dock when fully charged.

## 6. Controlling via App

1. Open the app, connect to the robot.
2. In the app you can view and control the robot's status.

## 7. Scanning Maps via App

1. Open the app, go to the map page. Click "Start Scanning".
2. Use the phone camera to scan the room around. Keep a steady scanning speed.
3. After scanning, the app will generate a 3D map of the room. Tour spots can be marked on the map.

## **8. Controlling the Robot via App**

1. In the control page of the app, use the on-screen directional buttons to move the robot.
2. You can also set a movement route for the robot. Click "Start" and the robot will follow the route automatically.