

Getting started

Creating a map

Overview

To begin cleaning, a map must first be created. Each map consists of a Home Point, a cleaning group, and restricted areas (if any).

Why is mapping needed?

Mapping allows the robot to create the map of a particular area to be cleaned, know its surroundings and plan the most efficient cleaning route.

Steps

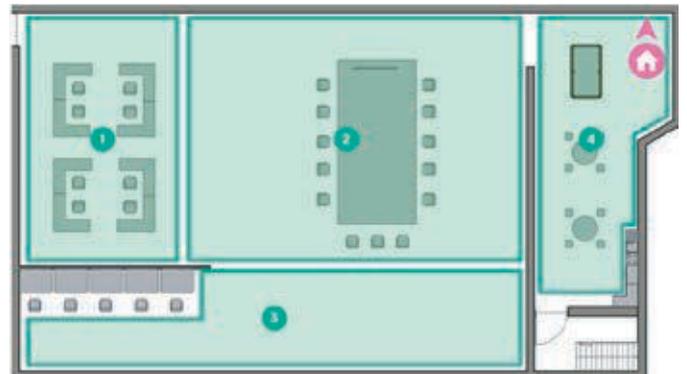
0 Select magic mode

1 Set up home point

2 Create cleaning group

3 Restricted area

Resultant map

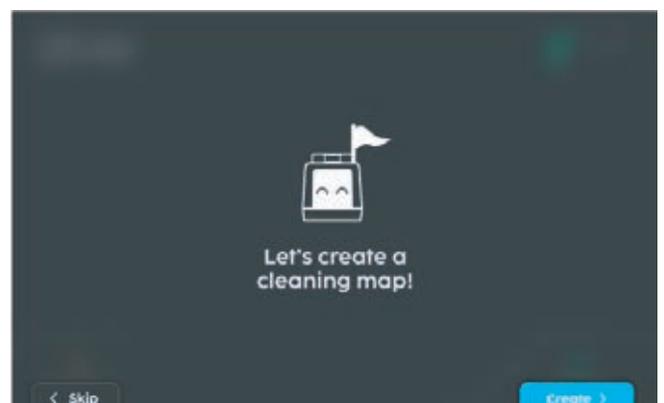


0 Select magic mode

Before creating map, ensure that the robot is in 'Magic Mode'.



Click Setting and select Magic Mode and click [Next](#).



Click [Create](#).

1 Set up home point

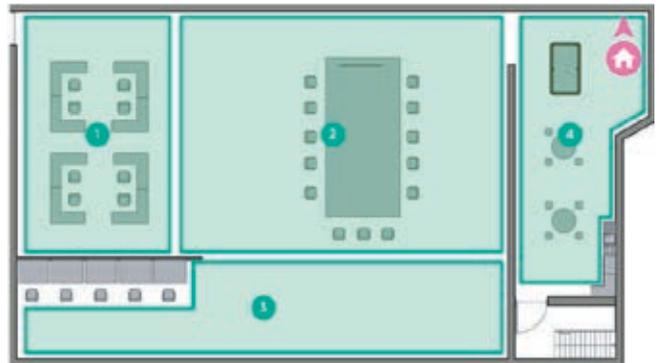
Overview



What is a Home Point?

A Home Point is where the SC25 will start and end its cleaning.

Each map contains at least one Home Point.



A. Choose home point device

Choose between the Docking Station or MagicTag to be used as the Home point for each map.



Docking Station



MagicTag

! Tips: choosing between the docking station or the MagicTag



Docking Station

Charges the SC25 (also refills water).

Stores one cleaning map and acts as a Home Point within the map.

VS



MagicTag

Stores one cleaning map and acts as a Home Point within the map.

Preferred if



- You wish to charge (and refill water in the) SC25 automatically after cleaning.
- Wish to set SC25 to run scheduled cleaning.

Preferred if



- No electrical sockets near cleaning area.
- Little or no space to place a Docking Station.

B. Connect home to robot

Once you have determined the device to be used as the Home Point, bring the SC25 **near it** to connect. Upon successful detection, you will be prompted to create a cleaning map.

C. Find a home point location

Once the cleaning map is created and named, you will be required to push the SC25 to a desired Home location to complete the Home Point setup. If a Docking station is used, it will have to be already set up at this Home location.

D. Set up docking station

If you have decided on the Docking Station and its location, set up the station by referring to the **Annex Setting Up | Docking Station**.

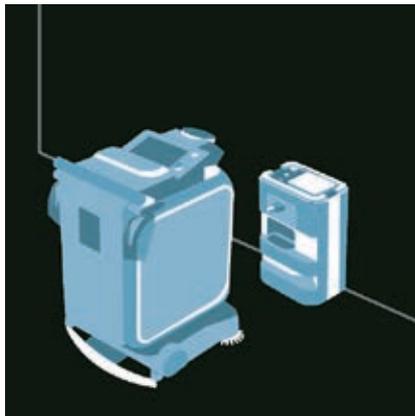
E. Set up MagicTag

If you have decided on the MagicTag and its location, go to Step F to complete its set up. Do not attach the MagicTag to the wall yet.

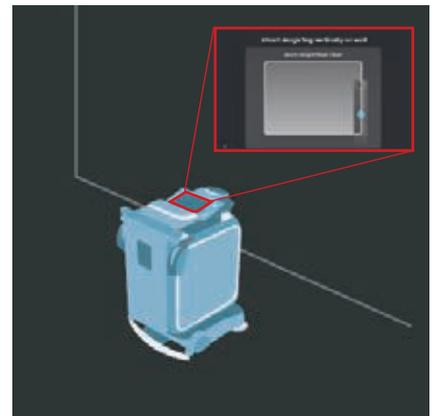
Refer to **Annex Setting Up | MagicTag** for more info on the physical setup requirements of the MagicTag.

F. Complete setup

Once the Home Point device is set up, move the SC25 to the desired Home Point, so that the robot is facing it. Follow the onscreen instructions to complete the Home Point connection.



For Docking station.



For MagicTag

⚠ Note

For Docking Station, the 'Pair' Button must be pressed to start the pairing. Follow onscreen instructions to locate the button.

! Tips

Detecting the MagicTag successfully

Following the on-screen instructions, place the MagicTag within the detection zone.
Once the MagicTag is detected, attach it onto the surface.



Adjust the MagicTag or the robot until it is within the detection zone.



MagicTag successfully detected.

! Note

If the SC25 cannot detect the MagicTag within the detection zone after a few tries, try moving the robot further or nearer to the MagicTag, or try a different wall background.

! Tips

Detecting the Station successfully

Following the on-screen instructions, move the SC25 so that it is about 1 foot spacing away from the station.
Once the station is successfully detected, it will be shown onscreen.



Adjust the robot until this screen appears.



Station successfully detected.

! Note

If the SC25 cannot detect the Station try moving the robot further or nearer to it.

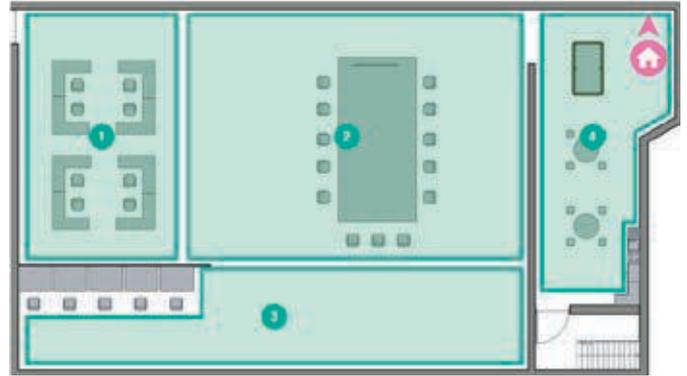
2 Create cleaning group

Overview

What is a cleaning group?

Each map has cleaning group(s).

A cleaning group consists of 1 or more clean area(s).

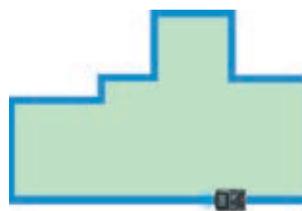


An example map showing 1 cleaning group with 4 clean areas

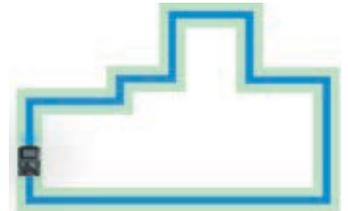
A. Types of clean area

There are 2 methods to clean an area, via:

1. Boundary
2. Route

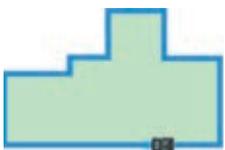


Boundary cleaning



Route cleaning

⚠️ Tips: choosing between boundary or route cleaning



Boundary

SC25 will clean the area within the boundary that is drawn.

VS



Route

SC25 will clean the route drawn.



Preferred if

- Cleaning large area with minimal obstacles within.



Preferred if

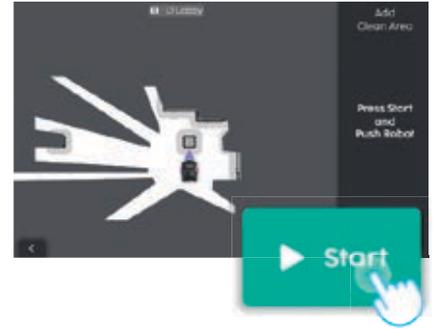
- Cleaning tight or large areas with many obstacles within.

B. Create clean area

After selection, push SC25 to desired clean area first. Press "Start" **before** pushing SC25 around to create the desired boundary or route of clean area. Press "Stop" once complete.



1. Push to desired clean area



2. Press start to create area

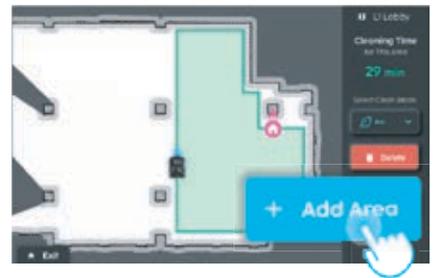
C. Additional settings

Clean modes can be changed according to preference by toggling between them.

More clean areas can be added by clicking on the Add Area button



Clean Mode toggle



Add Area button

D. Name and save the group

Once all boundaries or routes have been created, click 'Finish' and name the cleaning group.

To complete and save the Cleaning Group, push the robot back to the Home Point (set up in **Step 1**).



Name the Cleaning Group

3 Restricted area

Overview

The SC25 will stay clear of restricted areas when cleaning.

It can either be an area that does not need the SC25 to clean, or one that has obstacles to avoid. This step is optional; skip if there are no restricted areas.

A. Type of restricted area

Select the appropriate type and draw the restricted area. Examples of restricted areas:



Slope



Escalator



Stairs, Ledge



Doors



Lift



Mirrors, Glass



Cables, trunking



Rugs, Mats, Carpet

! Note

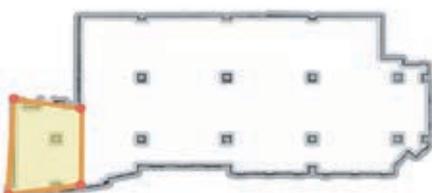
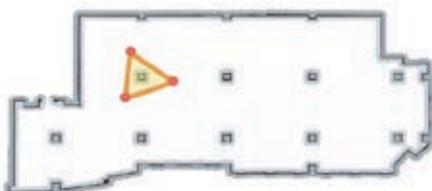
Switching between types of restricted area is still possible during the drawing process.

B. Drawing the area

Simply tap on the map to draw the restricted area.

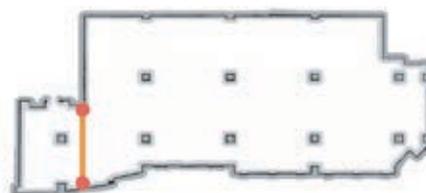
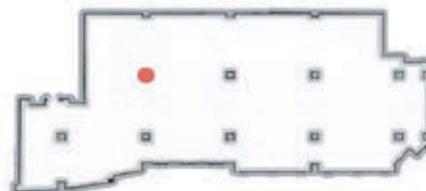
✓ Good:

Tap 3 or more points to form the area.



✗ Avoid

Drawing less than 3 points.



Getting started

Clean

A. Localise the robot

If the SC25 is not localised and not at the Home Point, push it there.

Once at the Home Point, the MagicTag (or Docking station) will be detected.

Follow on screen instructions to connect.



MagicTag.

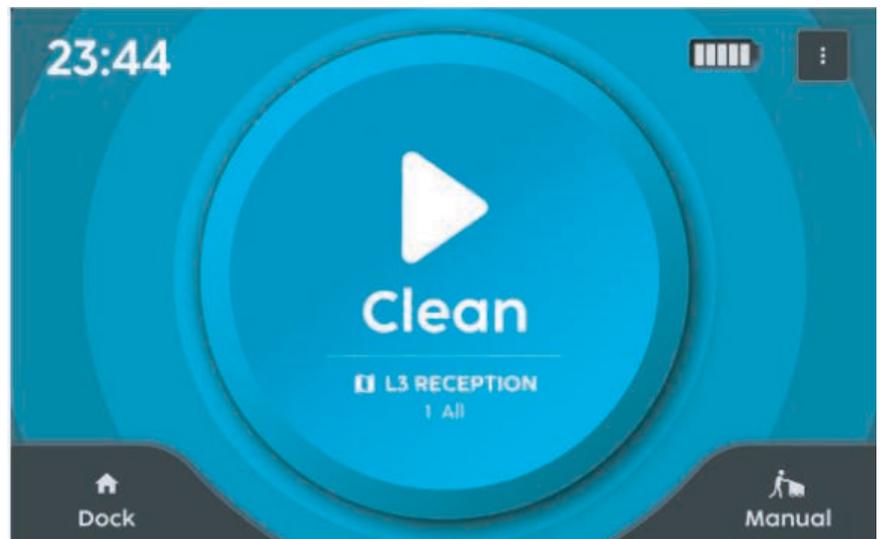


Docking station

A. Start the cleaning

Once connected, place handlebar down.

Click on "Clean".

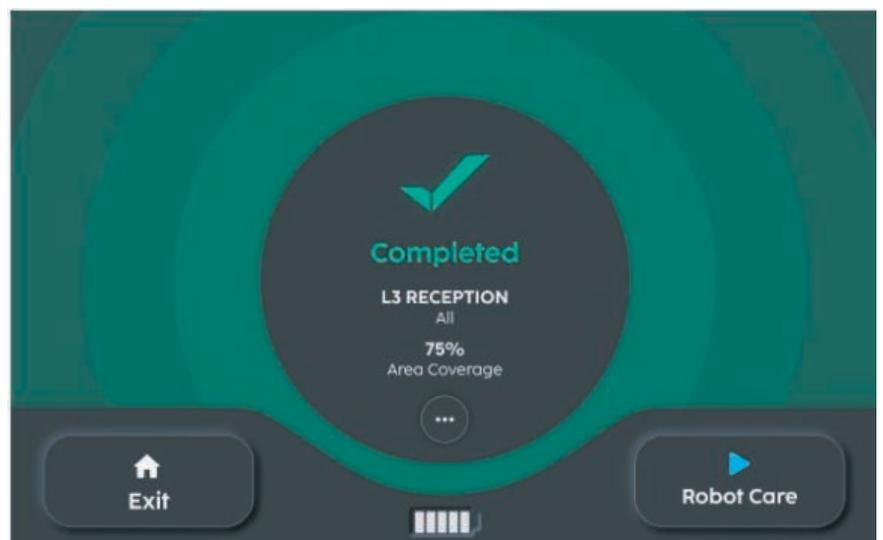


B. Robot care (Recommended)

After every clean, it is recommended to maintain the robot.

See section "Maintenance" for more information.

Click on 'Robot Care' to watch maintenance tutorials.



Other controls

Create new maps

Overview

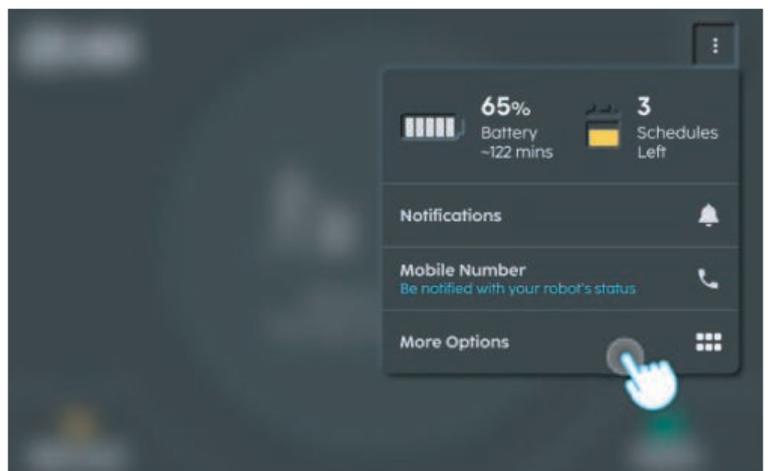
New or additional maps can be created. The steps to create them are outlined below.

Please note that only 1 map can be stored in each MagicTag or Docking station. Any new maps created using the same MagicTag or Docking station will replace the existing one.

1. Click on  button



2. Click on 'More Options'



3. Click on 'Create New Map'

For more info, refer to the **Setting Up | Creating a Map** section.



Other controls

Manual cleaning

Overview

Manual cleaning refers to physically pushing the SC25 for cleaning. The steps to do so are outlined below.

1. While handlebar is up, click on "Manual".



- 2a. Select the desired cleaning mode



- 2b. Customise cleaning mode (Optional)

The settings of the selected cleaning mode can be adjusted via the 'Customise' button

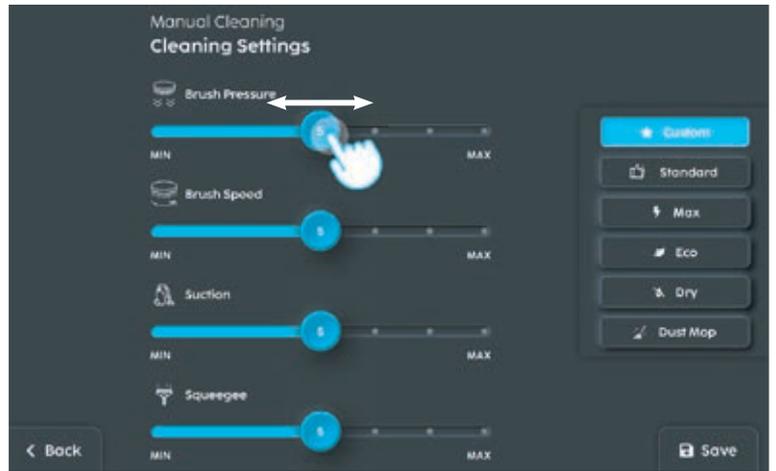
⚠ Note

- All roles can customise settings for custom mode.
- Only Admin and Superadmin can customise for preset mode.



2c. Customise Cleaning Mode (Optional)

Drag the slider to change the intensity of each cleaning setting.



3. Click  to begin cleaning

