

R3 Scrub Pro

Quick Guide (with Magic Mode)



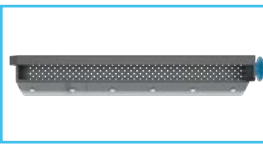
LIONSBOT

CONTENT

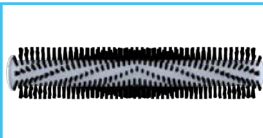
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Checklist

R3 Scrub Pro



Debris Tray with Rubber



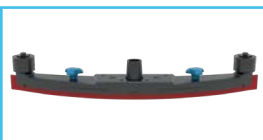
Black Main Brush



Side Brushes x2



Top up Tray Filter



Squeegee with
Linatex Rubber



Debris Cage

Checklist

Others

Items to Install



MagicTag



Charger

Optional Brushes



Blue Brush
(Soft Brush)



Grey Brush
(Hard Brush)

Optional Items



3D LIDAR Module



Charge Only Station

OR



Refuel Station

Robot Overview

Anatomy



- A1** Handlebar
- A2** Key Switch
- A3** Emergency Stop (E-stop)
- A4** Reset Button
- A5** Waste Water Tank Hatch
- A6** Touchscreen
- A7** Sonars



- B8** Waste Water Tank
- B9** Clean Water Tank
- B10** Debris Tray
- B11** Brush Cover
- B12** Side Brush

Robot Overview

Anatomy



- C12** Front Camera
- C13** Side Camera
- C14** 2D LIDAR
- C15** Safety Bumper



- D16** Release Lever
- D17** Sonar
- D18** Manual Charging Port
- D19** Clean Water Inlet Tray
- D20** Docking Charging Port
- D21** Camera
- D22** Drain Hose
- D23** Vacuum Hose
- D24** Squeegee

Robot Overview

Specifications

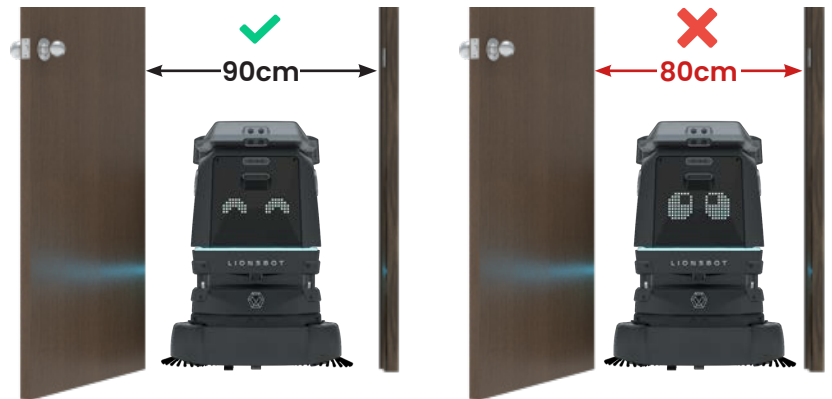
Length	635 mm / 25 in
Width	570 mm / 22.4 in
Height	828 mm / 32.6 in 991 mm / 39.0 in (w/ handlebar up) 1,030 mm / 40.6 in (w/ 3D LIDAR)
Weight	85.5 kg / 188.5 lbs (w/ batteries) 106 kg / 233.7 lbs (w/ batteries & full tank water)
Cleaning Width	366 mm / 14.4 in (w/o side brush) 682 mm / 26.9 in (w/ side brush)
Squeegee Width	591 mm / 23.3 in
Clean Water Tank	21 L / 5.5 gal
Waste Water Tank	21 L / 5.5 gal
Debris Tray	0.45 L / 0.12 gal
Efficiency	1,500 – 2,000 m ² per charge depending on cleaning settings
Runtime	1.5 – 3 hours
Charging Time	2 hours
MagicTag Lifespan	12 – 15 months (estimated, including shelf life)

Precautions

Path and Area Limitations

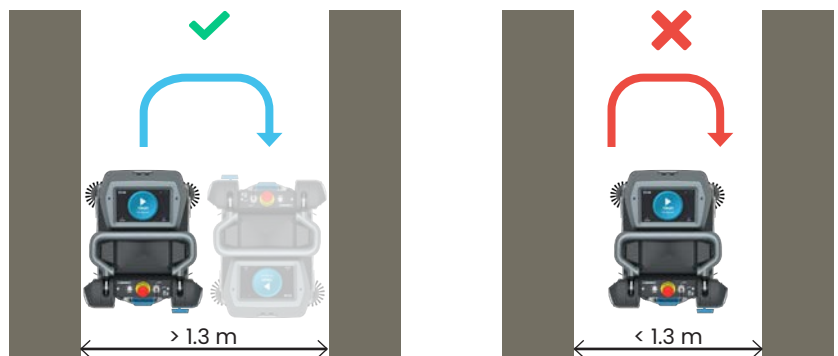
PASS-THROUGH WIDTH

R3 Scrub Pro can pass through a pathway of minimum **90 cm (~35 in)**.



MIN AISLE WIDTH

R3 Scrub Pro can move to and fro an aisle of minimum **1.3 m (~ 51.2 in)** width.



VISIBLE RANGE (2D LIDAR)

R3 Scrub Pro is capable of seeing up to a 20m radius, and can clean an area that is maximum 40m in either width or depth.



RUNTIME

Depending on the modes, R3 Scrub Pro can clean continuously for **1.5 – 3 hours** per charge.



Precautions

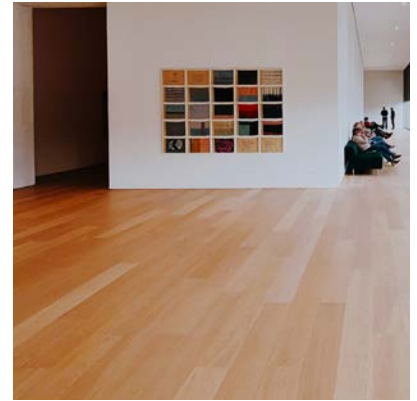
Types of surfaces and environment

✔ SUITABLE

R3 Scrub Pro is intended for cleaning hard and smooth surfaces in enclosed indoor environment.



Enclosed indoor spaces



Hard and smooth floors

✗ NOT SUITABLE

R3 Scrub Pro is not suited for cleaning outdoor environments (or one with extreme temperatures), soft and/or uneven surfaces, and waxed surfaces.



Outdoor environment



Coarse, uneven floors

⚠ AVOID

Avoid cleaning in areas with:

- loose surfaces
- reflective walls or floor surfaces
- dynamic layouts



Reflective walls (e.g. mirrors)
Loose surfaces (e.g. mats)



Dynamic layouts (e.g. warehouse, factories)

Precautions

Chemicals

✗ DO NOT USE WITH THESE CHEMICALS



Flammable liquid



Alcohol



D Limonene



QAC Cleaner



Pine Cleaner



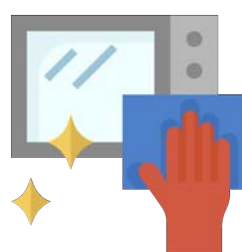
Phenolics



Bleach



Acids ($\text{pH} < 5$)



Oven or Grill
Cleaner ($\text{pH} > 12$)

Precautions

Debris Collection

✓ CAN PICK UP

R3 Scrub Pro is able to pick up liquid spillage and small debris that are less than 10 mm (~0.39 in) in height.



Liquid spillage



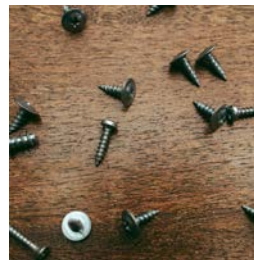
Food crumbs



Leaves



Small wrappers



Screws, bolts, nuts

✗ DO NOT PICK UP

Sharp objects, plastic bags or long strings, magnetic objects and any other debris > 10 mm (~0.39 in) in height, can potentially interfere with the device's performance.

It is also important to ensure that no cling wraps or plastic covers are picked up by the robot. These can get stuck in the brushes and may cause overheating of the brush motor, resulting in motor failure.



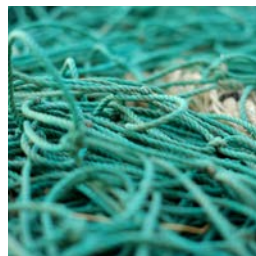
Sharp objects



Plastic bags



Cling wraps



Strings / wires



Magnetic objects

NOTE

- *Magnetic object may get stuck within vacuum hose.
- Do note that these are just rough guidelines and that R3 Scrub Pro's performance depends on the floor type as well as the cleaning mode used (Eco, Standard, Max).

Precautions

Obstacle Detection (2D LIDAR only)

✓ GOOD DETECTION

Obstacles more than 5 cm (~2 in) in height can be well detected.

E.g. Parcels or boxes, dustbins, canned drinks and office trolleys.

⚠ POOR DETECTION

Obstacles with thin supporting structure (will appear as a dot on the map) and shiny, reflective surfaces.

E.g. Bar stools or boards with thin or shiny legs.

✗ NO DETECTION

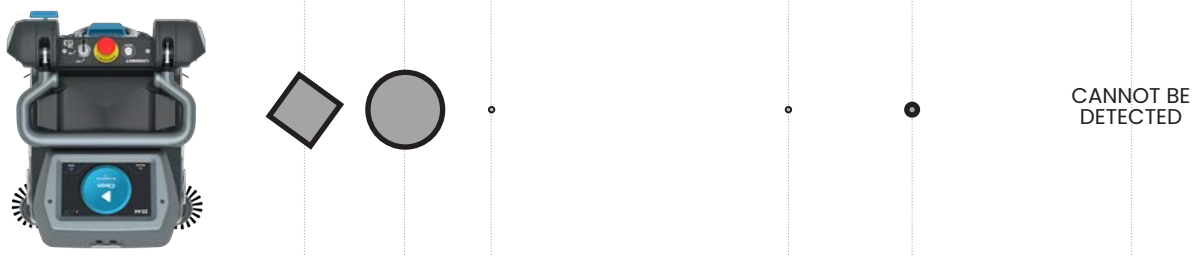
Obstacles less than 5 cm (~2 in) in height cannot be detected (will not appear on the map).

E.g. Cable trunking, extension cords and cables.

SIDE VIEW



MAP VIEW



NOTE

- Do note that these are just rough guidelines and that R3 Scrub Pro's performance depends on environment.
- These examples are only limited to static objects, excluding dynamic objects like sudden movements.

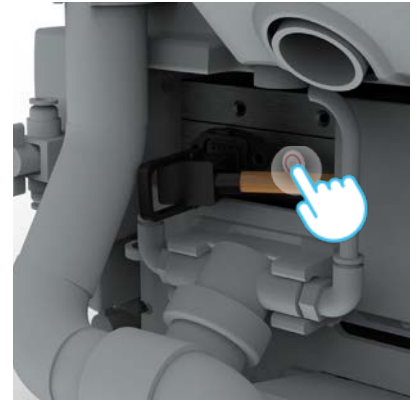
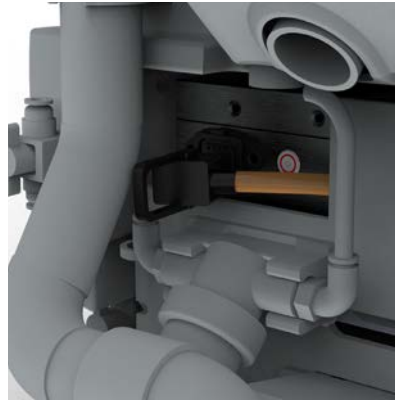
Getting Started

Setting Up | R3 Scrub Pro

1 POWER ON BATTERY

Unplug the cable from the back of the R3 Scrub Pro.

Push the button to switch on the battery.



NOTE

This action is only required if starting up the robot for the first time.

2 POWER ON R3 SCRUB PRO

Insert the key into the key switch and turn to "ON".

Release E-stop if needed and press the reset button.

Follow onscreen instructions to set up the R3 Scrub Pro.



5 FILL UP CLEAN WATER TANK

Using the hose, fill up the clean water tank via the clean water inlet until the water level indicator or the touchscreen shows that the water level is sufficient.



NOTE

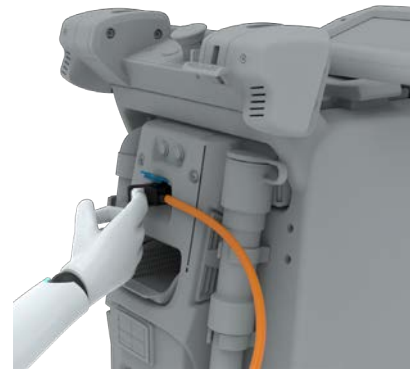
This action is only required if starting up the robot for the first time. If a Refuel station is used, the water tank will be filled up automatically when the robot is docked.

TIPS

WHAT TO DO IF THE R3 SCRUB PRO'S BATTERY IS 0% AND CANNOT BE SWITCHED ON

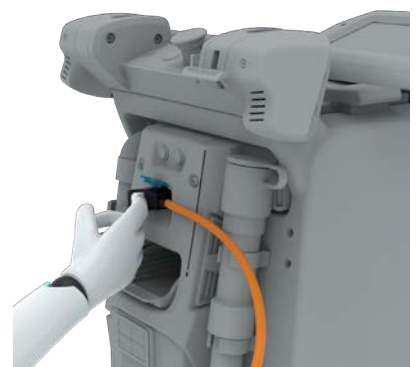
If you have a Charger:

1. Ensure Scrub Pro is switched off (Key switch is 'OFF'.
2. Plug in cable from charger to robot (located behind the blue rubber protector), turn on the charger.
3. This will jump start the charging of the robot's battery.
4. The charger's fan will start, and light indicator will be green.
5. After 1 min, turn off the charger.
6. Leave the charger off for 30s to power cycle it.
7. Plug the charger back to the robot and turn the charger on again. The charger's fan should turn on, and the light indicator should be blinking red.
8. Charge robot to 100%.



If you have a Charging or Refuel Station:

1. Ensure that Scrub Pro is switched off (Key switch turned to 'Off')
2. Open the side compartment of the station and unplug the charging cable.
3. Plug in the charging cable from the station into the Scrub Pro. Turn on the charging/refuel station.
4. Plug in the Flash Charge USB* to the station's USB port. This will jump start the charging of the robot's battery.
5. After 1 to 2 min, turn off the station, and remove the USB.
6. Leave the station off for 30s to power cycle it.
7. Plug the charging cable from the station to the Scrub Pro again, and charge robot to 100%
8. OR Plug the charging cable back into the station, and manual dock the Robot to the station. Charge robot to 100%



NOTE

- Always attach the charging cable back to the Station after use.
- This charging method is only when R3 Scrub Pro is 0% and cannot be switched on at all.
- *Flash Charge USB is a USB that only contains the Flash Charge files. These files are obtainable from the LionsCloud website.

Getting Started

Spaces suitable for Magic Mode use

OVERVIEW

Magic Mode usage is suitable for specific types of spaces.

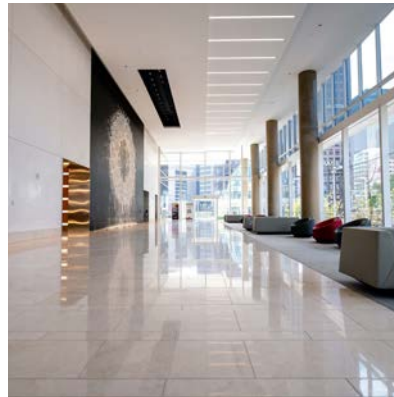
Prior to initiating map creation using Magic Mode, please ensure that the space to be mapped is a suitable one:

✓ SUITABLE

Magic Mode is optimised for usage in spaces with large and clear area.

Examples:

- Mall, office or school corridors, lobbies and halls.



Lobbies



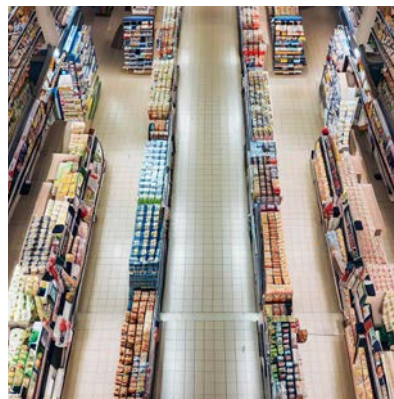
Corridors

✗ NOT SUITABLE

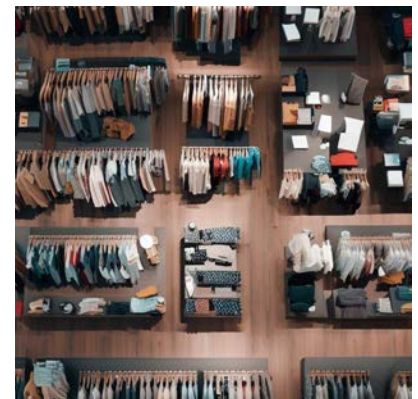
Magic Mode does not work in complex or dynamic areas.

Examples:

- Retail stores, supermarkets or warehouses with multiple shelving, aisles and non-permanent structures or displays.



Multiple shelving and aisles



Complex spaces

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).

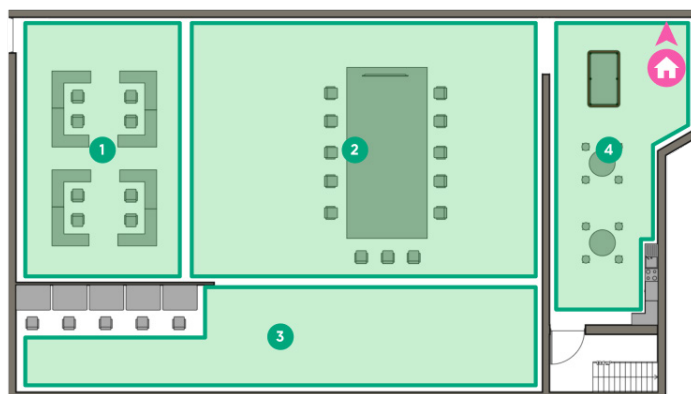
Why is mapping needed?

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

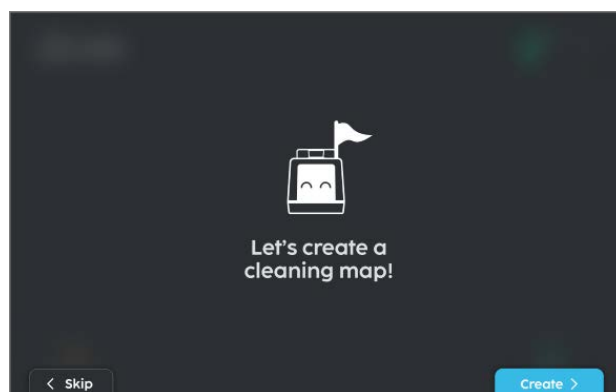


0 Magic Mode

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



Select Magic Mode and click **Next**



Click **Create**

1 SET UP HOME POINT

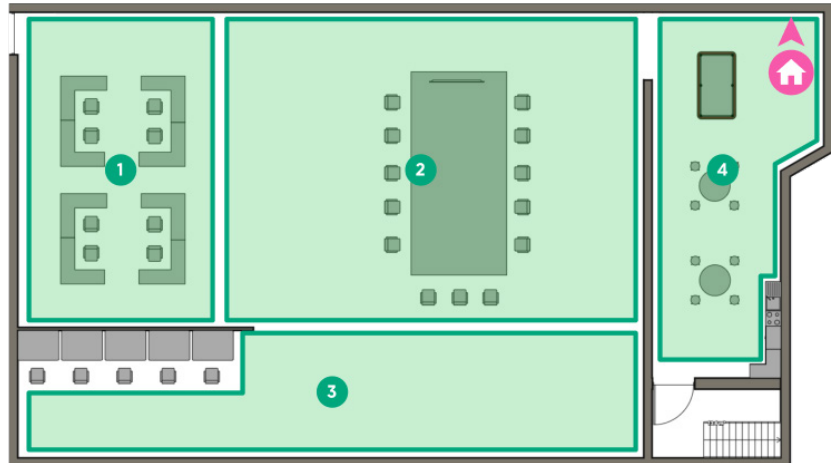
OVERVIEW



What is a Home Point?

A Home Point is where the R3 Scrub Pro will starting cleaning from, and end cleaning at.

Each map contains at least **one** Home Point.



A CHOOSE HOME POINT DEVICE

Choose **between the Charging / Refuel Station or MagicTag** to be used as the Home point for each map.



Charging / Refuel Station



Magic Tag

! TIPS

CHOOSING BETWEEN THE REFUEL STATION, CHARGE ONLY STATION, OR THE MAGICTAG



Charging / Refuel Station

Charges the R3 Scrub Pro (also refills water if the Refuel Station is used).

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

- Wish to charge (and refill water in the) R3 Scrub Pro automatically after cleaning.
- Wish to set R3 Scrub Pro to run scheduled cleaning.

Preferred if

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

B CONNECT HOME TO ROBOT

Once you have determined the device to be used as the Home Point, bring the R3 Scrub Pro **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 R3 Scrub Pro to a desired Home location to complete the Home Point setup. If a Station is used, it will have to be already set up at this Home location.

D SET UP CHARGING OR REFUEL STATION

If you have decided on the Charging or Refuel Station and its location, set up the station by referring to the **Annex Setting Up | Refuel Station** or **Setting Up | Charge Only Station**.

E SET UP MAGICTAG

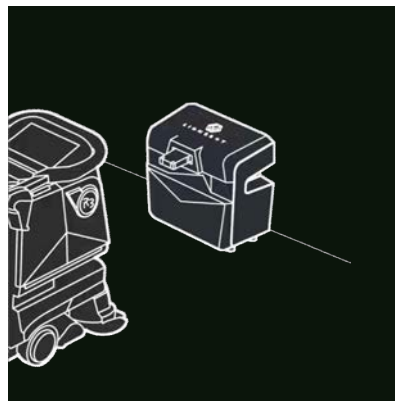
If you have decided on the MagicTag and its location, go to Step F to complete its set up. Do not attach the MagicTag to the wall yet.

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

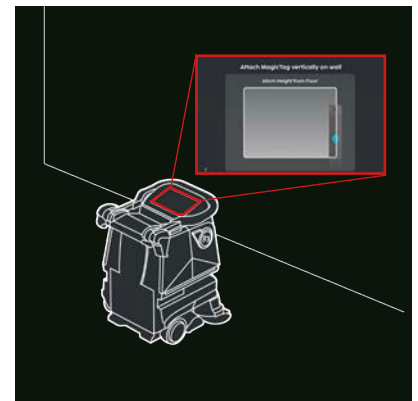
F COMPLETE SETUP

Once the Home Point device is set up, move the R3 Scrub Pro to the desired Home Point such that the robot is facing it.

Follow the onscreen instructions to complete the Home Point connection.



For Charging/Refuel station



For MagicTag



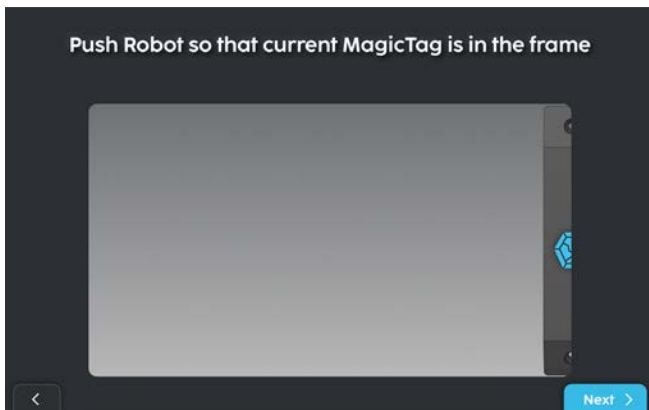
NOTE

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

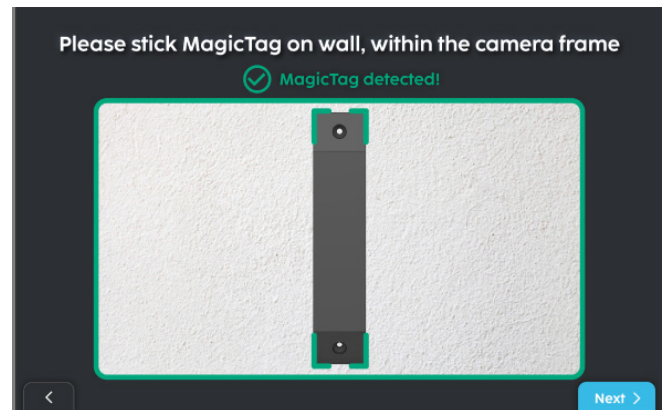
! TIPS

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

i NOTE

- If the R3 Scrub Pro 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 R3 Scrub Pro such 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

i NOTE

- If the R3 Scrub Pro cannot detect the Station try moving the robot further or nearer to it.

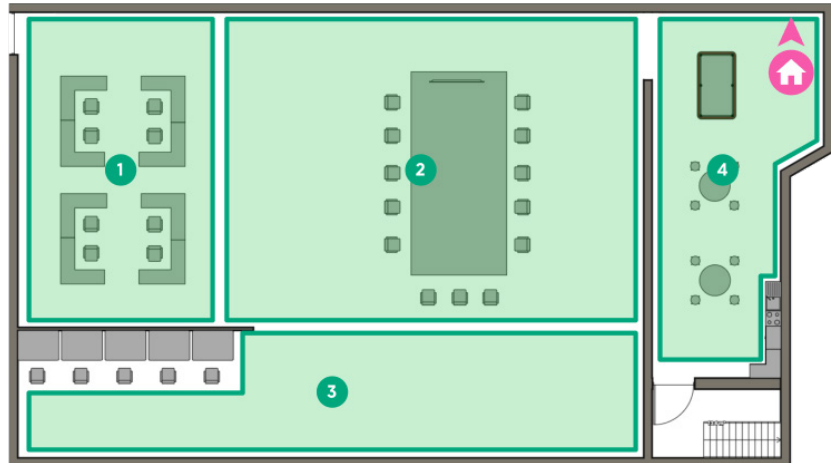
2 CREATE CLEANING GROUP

OVERVIEW

What is a cleaning group?

Each map has cleaning group(s).

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

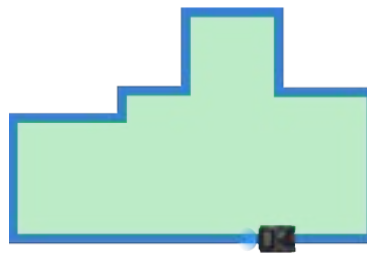


An example map showing 1 cleaning group with 4 clean areas

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

R3 Scrub Pro will clean the area within the boundary that is drawn.

VS



ROUTE

R3 Scrub Pro will clean the route drawn.

Preferred if

- Cleaning large area with minimal obstacles within.

Preferred if

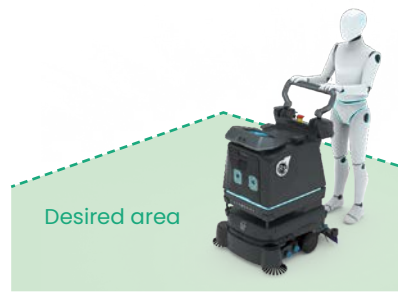
- Cleaning tight or large areas with many obstacles within.

B Create clean area

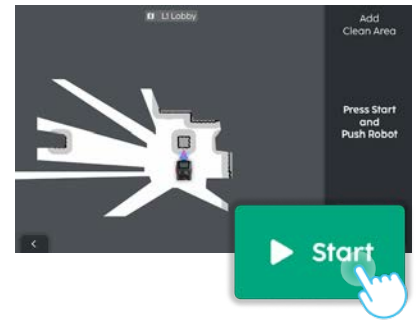
After selection, push R3 Scrub Pro to desired clean area first.

Press “Start” **before** pushing R3 Scrub Pro around to create boundary or route of clean area.

Press “Stop” once done.



1. Push to desired clean area



2. Press start to create area

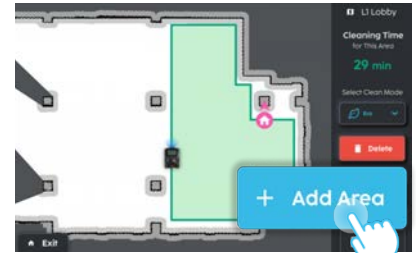
C Additional settings

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 are 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

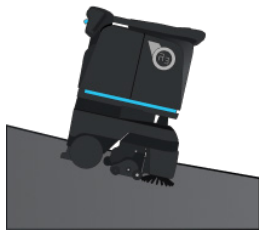
OVERVIEW

The R3 Scrub Pro will stay clear of restricted areas when cleaning.

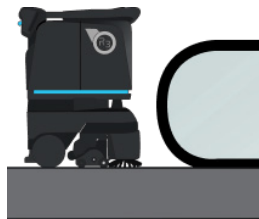
It can either be an area that does not need the R3 Scrub Pro to clean, or one that has obstacles to avoid. This step is optional; skip if there are no restricted areas.

A TYPE OF RESTRICTED AREA

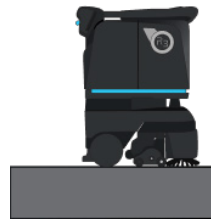
Select the appropriate type and draw the restricted area. Examples of restricted areas:



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.

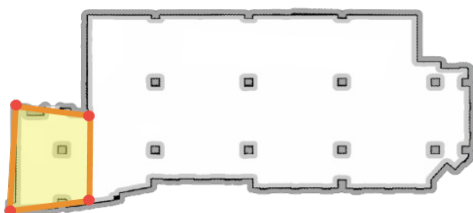
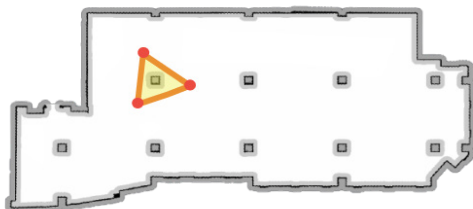
B DRAWING THE AREA

Simply tap on the map to draw the restricted area.



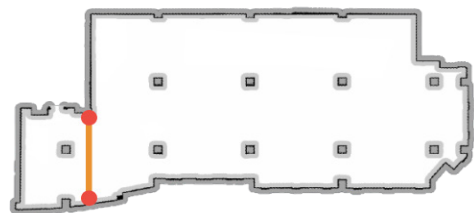
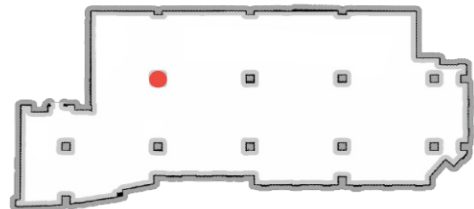
GOOD

- Tap at least 3 points to form the area



AVOID

- Drawing less than 3 points



Getting Started

Clean

A LOCALISE THE ROBOT

If the R3 Scrub Pro is not localised and not at the Home Point, push it there.

Once at the Home Point, the Magictag (or Charging / Refuel station) will be detected.

Follow on screen instructions to connect.



Magictag



Charging/Refuel station

A START THE CLEANING

Once connected, place handlebar down.

Click on "Clean".

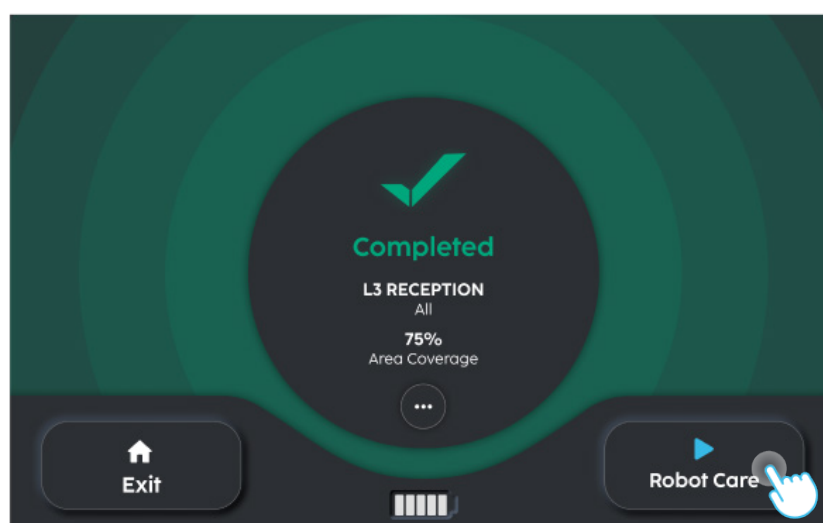


B ROBOT CARE (RECOMMENDED)

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

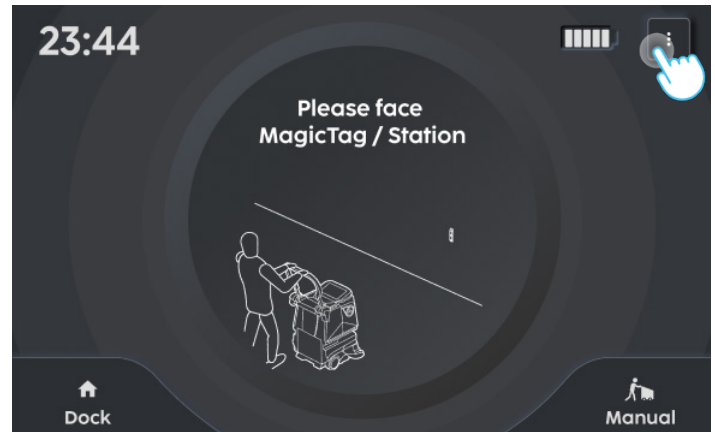
Create New Maps

OVERVIEW

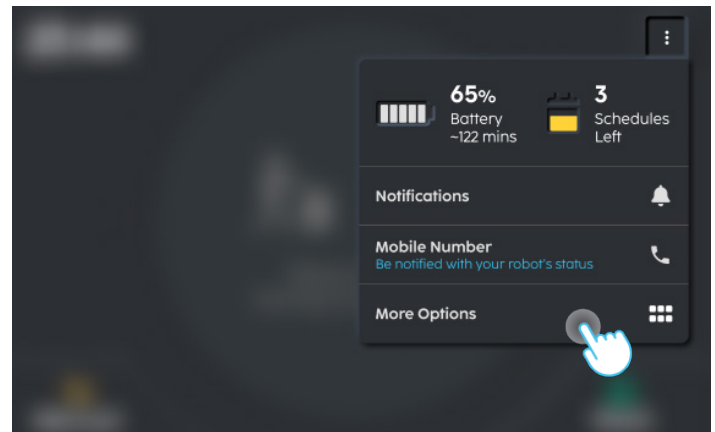
New or additional maps can be created. The steps to create them are outlined below.

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

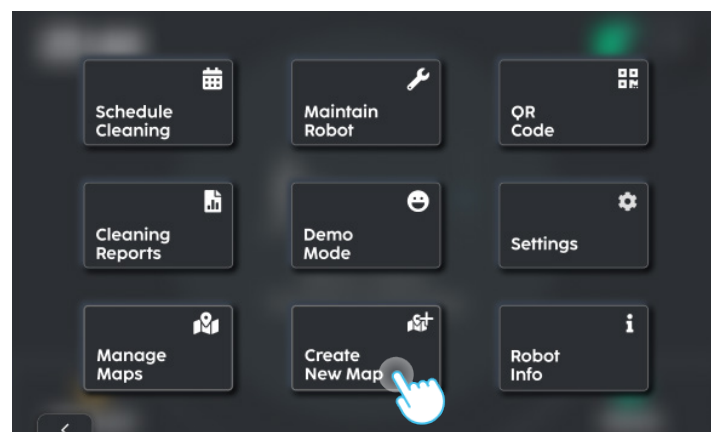
1 Click on  button



2 Click on 'More Options'



3 Click on 'Create New Map'
For more info, refer to the **Setting Up | Creating a Map** section.



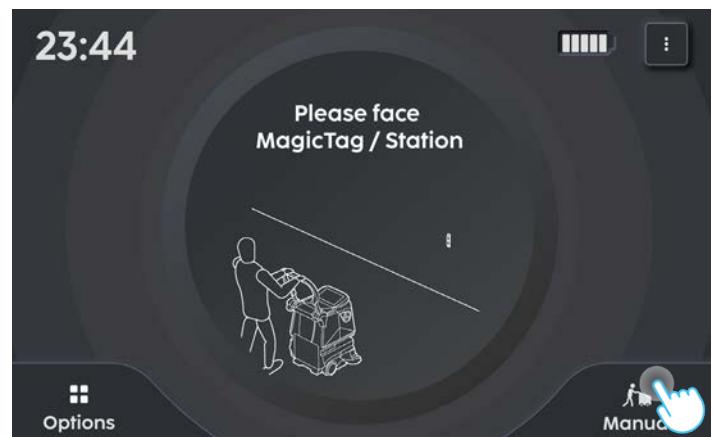
Other Controls

Manual Cleaning

OVERVIEW

Manual cleaning refers to physically pushing the R3 Scrub Pro for cleaning. The steps to do so are outlined below.

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



- 2a Select the desired cleaning mode



Customise cleaning mode (Optional)

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

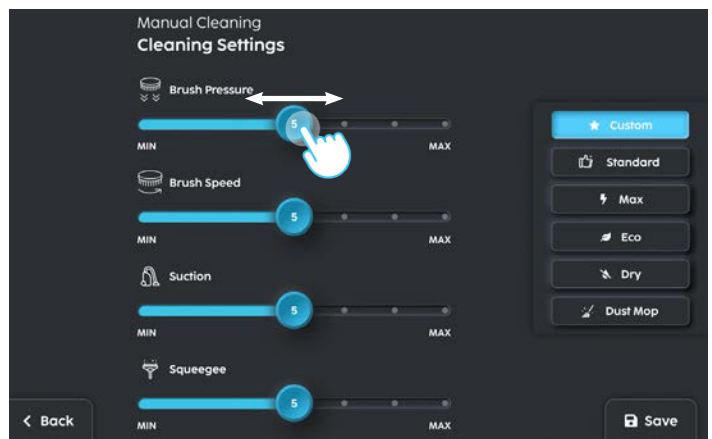
- 2b
- NOTE** — — — — —
- All roles can customise settings for custom mode.
 - Only Admin and Superadmin can customise for preset mode.



2c

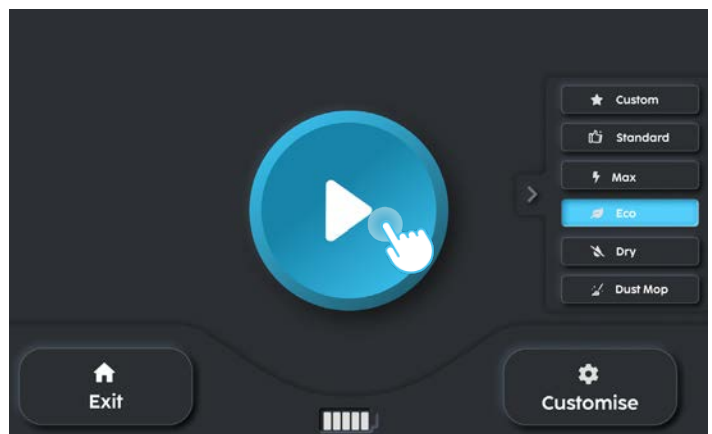
Customise Cleaning Mode (Optional)

Drag the slider to change the intensity of each cleaning setting



3

Click  to begin cleaning



Other Controls

Cleaning Settings

OVERVIEW

The optimal cleaning mode settings for different floor types are listed below.

Legend

Cleaning mode

Low

Med

High

Settings

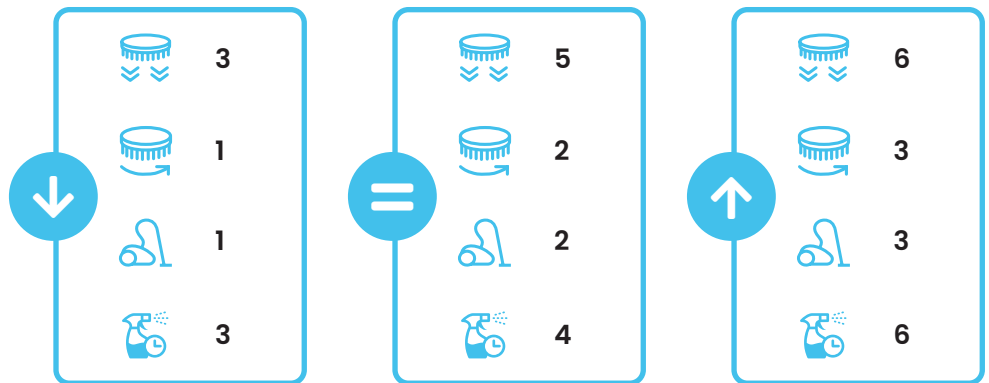
Brush Pressure

Brush Speed

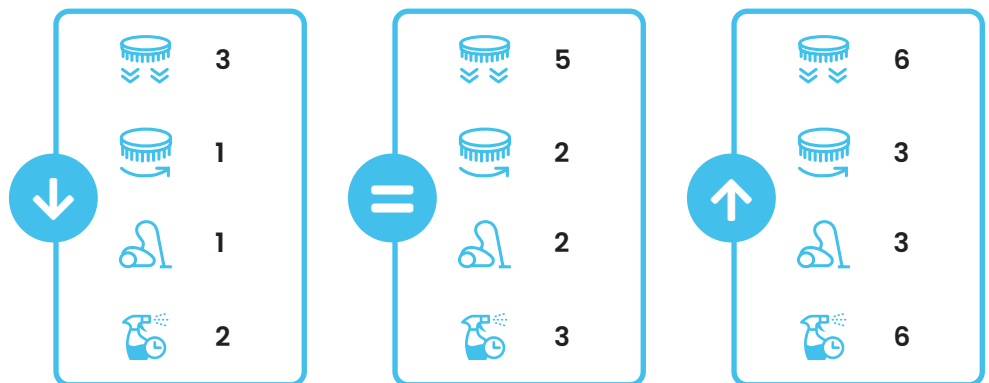
Suction

Spray Interval

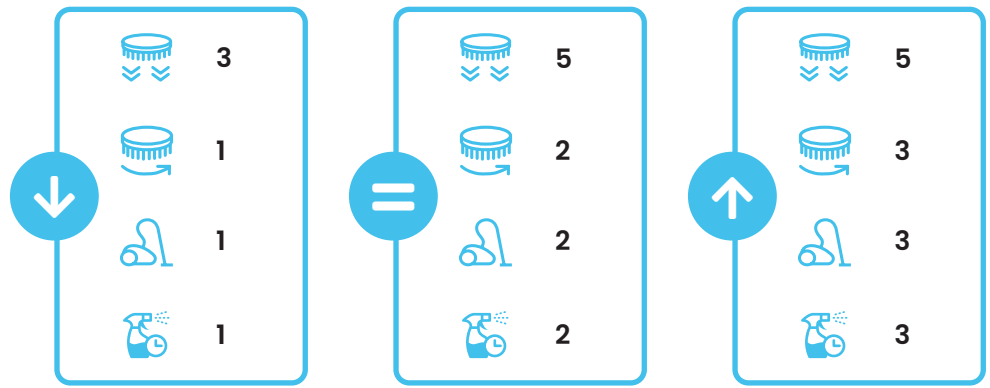
1 Concrete or Screed floor type



2 Tiles



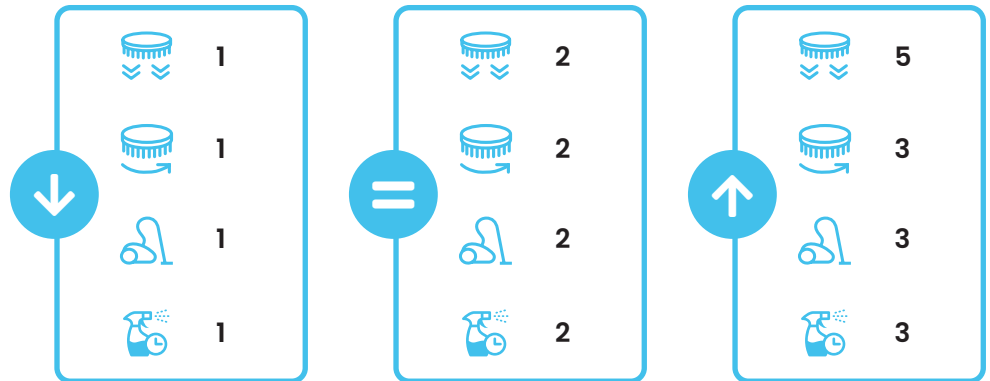
3 Hardwood



NOTE

- R3 Scrub Pro should not be used on waxed wooden floors; wax will peel off due to tyre friction.

4 Vinyl or Stone floor type



NOTE

- For optimal cleaning performance, use soft brush and microfiber roller.

TIPS

BRUSH TYPES TO USE FOR DIFFERENT FLOOR TYPES



Blue Brush
(Soft Brush)

Delicate floors types like:

- Marble or Stone
- Vinyl
- Softwood



Black Brush
(Standard Brush)

General floor types like

- Tiles
- Hardwood



Grey Brush
(Hard Brush)

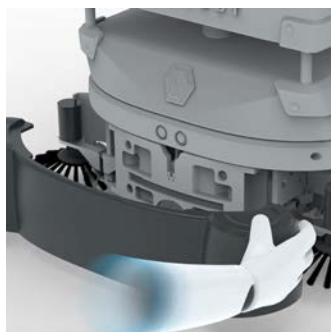
For scrubbing hard floors like:

- Concrete or screed floors

Maintenance

Daily

1 CLEAN SIDE BRUSHES



Remove bumper of robot



Using a cloth, wipe dirt off the side brush and the brush guard

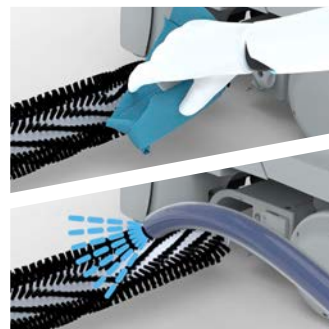
2 CLEAN MAIN BRUSH



Remove the brush cover knob from the magnetic catch

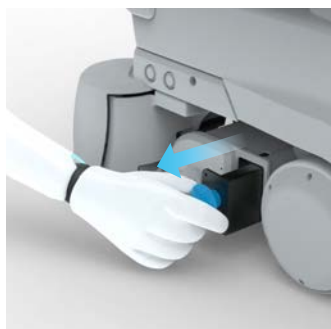


Pull out the brush



Using a microfibre cloth, wipe dirt off bristles. Rinse under running water to remove any debris.

3 EMPTY DEBRIS TRAY



Pull the debris tray out from the magnetic catch

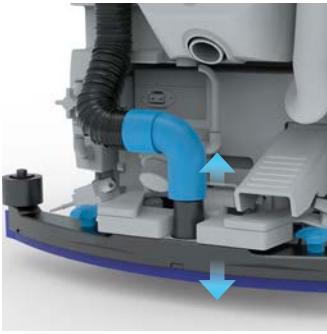


Empty the tray



Rinse under running water to remove any debris

4 RINSE SQUEEGEE



Unattach vacuum hose from squeegee, then remove squeegee.

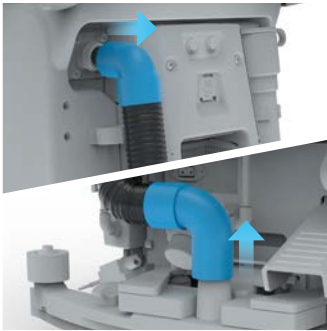


Rinse the top of the squeegee under running water



Repeat for the bottom of the squeegee

5 RINSE SQUEEGEE HOSE



Unattach vacuum hose from both the squeegee and the robot



Rinse the hose with running water

6 EMPTY TOPUP TRAY FILTER



Remove the tray filter and empty any debris



Rinse with water

7 FILL UP CLEAN WATER TANK



Securely hold a clean water source to the top up tray filter and turn on water supply.



Stop filling when the water level indicator is at max level

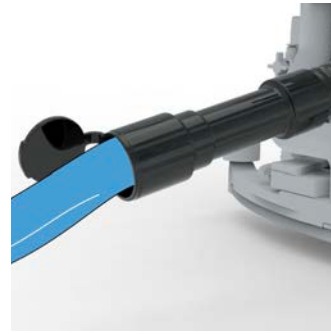
8 DRAIN WASTE WATER TANK



Unmount the manual drain hose from the hooks



Point hose towards a drain or waste water disposal location



Uncap the hose and let the waste water flow out

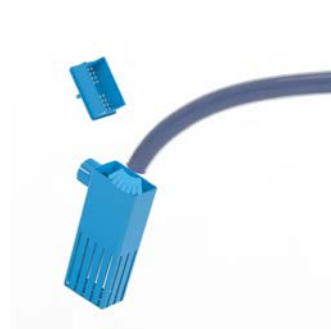
9 CLEAN DEBRIS CAGE



Remove the top hatch of the dirty water tank

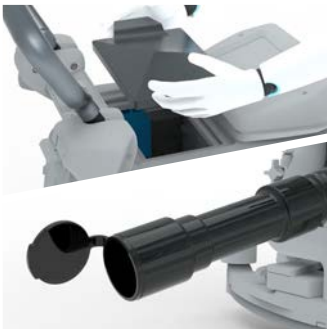


Remove the debris cage



Empty and rinse with water

10 RINSE DIRTY WATER TANK



After step 8 and 9, keep top hatch open, and drain hose uncapped.

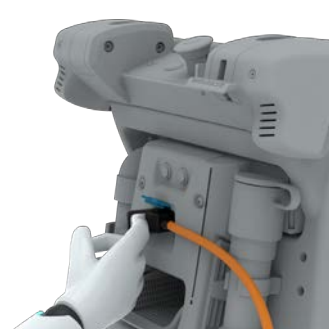


Rinse the tank with water and allow water to discharge out through the hose

11 CHARGE ROBOT



At the charging location, place handlebar down



Attach charging cable to the manual charging port

Maintenance

Weekly

1 CLEAN SENSORS AND BUMPER



Using a microfibre cloth, gently wipe the side cameras

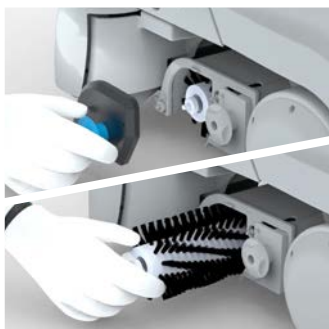


Using a microfibre cloth, gently wipe the 2D LIDAR



Using a microfibre cloth, gently wipe the back of the bumpers

2 CLEAN ROOF OF FLOOR TOOL



Remove brush cover and brush, and wipe the roof of the floortool

3 CHECK WASTE WATER DISCHARGE HOSE FOR CHOKAGE



Unmount the manual drain hose from the hooks



Point hose towards a drain or waste water disposal location

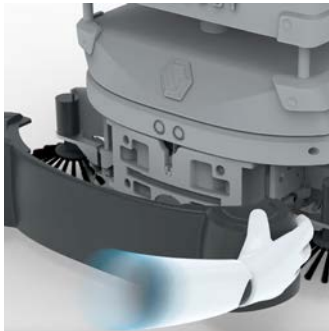


Uncap the hose and check if waste water can be discharged easily

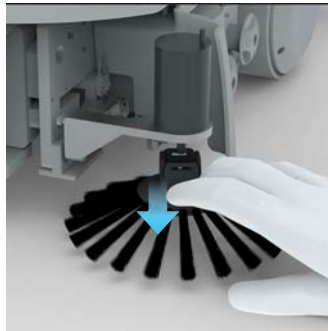
Maintenance

1 – 3 Months

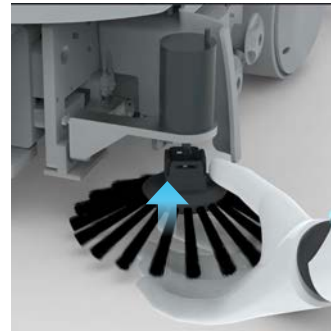
1 REPLACE SIDE BRUSHES



Remove bumper of robot

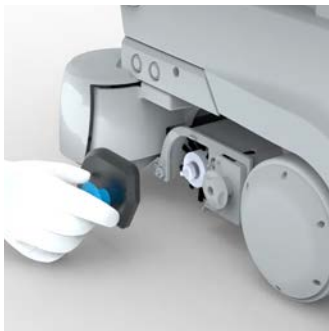


Remove the side brushes by pulling it downwards



Replace with new side brushes by pushing it in an upward direction until a click is heard

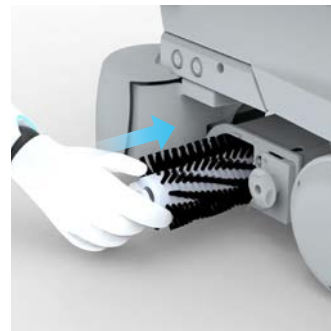
2 REPLACE MAIN BRUSH



Remove the brush cover knob from the magnetic catch



Pull out the brush



Replace with the new brush

Maintenance

Preventive checks

1 CLEAN OR REPLACE CLEAN WATER FILTER



Close the clean water tank valve by turning it clockwise

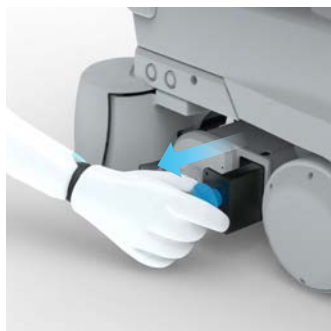


Detach the water filter



Clean or rinse the filter with running water

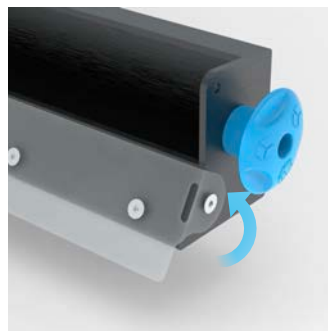
2 CLEAN OR REPLACE DEBRIS TRAY HOPPER RUBBER



Pull the debris tray out from the magnetic catch



Unfasten the hopper rubber from both sides of the debris tray



Fasten the new hopper rubber onto both sides of the debris tray

3 CHECK CASTOR AND MAIN TRACTION WHEEL



Prop up the robot slightly to check for any debris trapped on the castor wheels



Using a microfiber cloth, clean off any dirt on traction wheels

Annex

Setting Up | Refuel Station

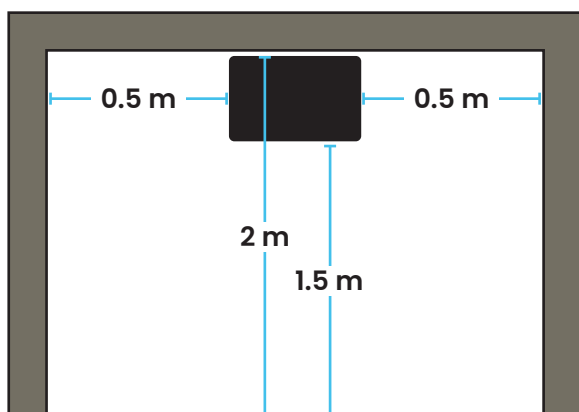
1 CHOOSE HOME LOCATION

The home location for the Refuel Station must have access to:

- power supply,
- clean water supply,
- and waste water drainage

A clear width around the Refuel station (as described below) should also be provided.

At the chosen home location for the R3 Scrub Pro, set up the Refuel Station.



To keep a clear width of:

- On the sides of the Station: **0.5 m (~20 in)** and
- In front of the Station: **1.5 m (~ 59 in)** OR From the back of the Station: **2 m (~ 79 in)**

✓ **GOOD**

Near a corner with no obstacles within the clear width (stated above) and on flat, even ground.



At the ends of hallway with minimal human traffic.



✗ **AVOID**

Not at pantry, near lifts, stairs, or cluttered area.



Not in the middle of hallway with heavy human traffic or dynamic obstacles.

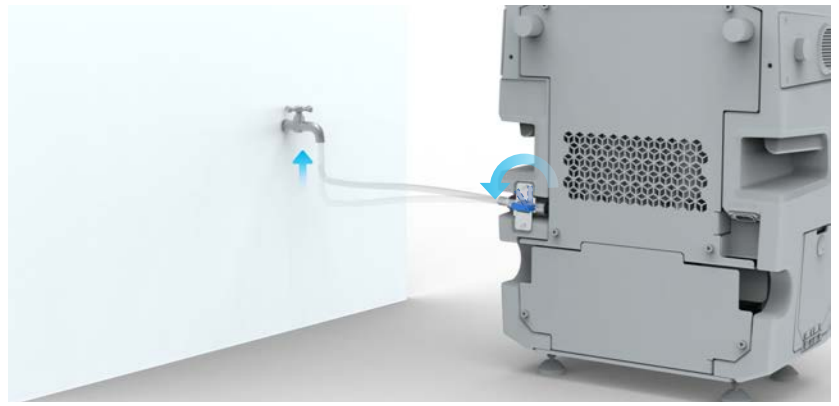


2 CONNECT WATER INLET

Connect a water pipe (1/2 in Braided hose) from the water inlet to a water source with the help of the hose clip provided.

Turn on the water source.

Turn on the manual valve by turning it anti-clockwise.



i NOTE

- Ensure that the water pipe is not twisted or folded. The water flow from the source must not be impeded.

3 CONNECT WASTE WATER PIPE

Connect the waste water pipe to a drain such that the pipe is angled in a downward manner to facilitate flow.



i NOTE

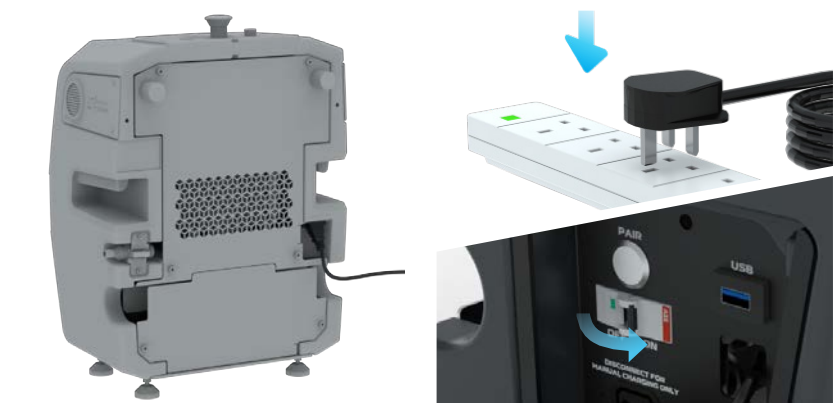
- Ensure that the waste water pipe is not twisted, folded or placed in an upward direction. The waste water flow from the refuel station to the drain must not be impeded.

4 CONNECT POWER CORD

Plug the power cord to the bottom right socket at the back of the Refuel Station.

Connect power cord provided to the nearest powerpoint and switch that on.

Open the side compartment and switch on the Refuel Station.



i NOTE

- This power cord must be plugged in to the Refuel Station at all times.

! TIPS

ADDITIONAL NOTES WHEN SETTING UP THE REFUEL STATION

✓ GOOD

- Place the station against a wall such that the rubber stoppers are in contact with the wall for stability.
- Cables are tucked in



✗ AVOID

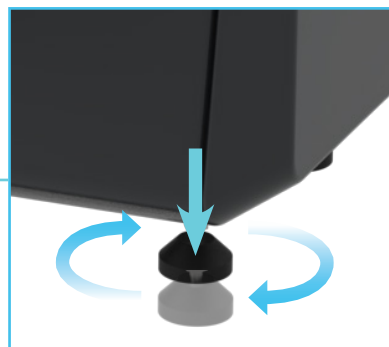
- Gaps between the rubber stopper and wall
- Tangled or loose cables



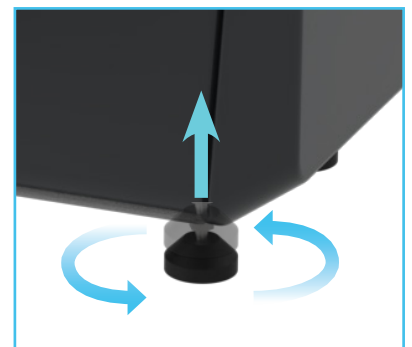
Leveling the Station with the Adjustable Foot

Turn clockwise to lower the foot (or taller foot height).

Turn anti-clockwise to bring the foot upwards (or shorter foot height).



Clockwise:
Taller foot



Anti-Clockwise:
Shorter foot

Annex

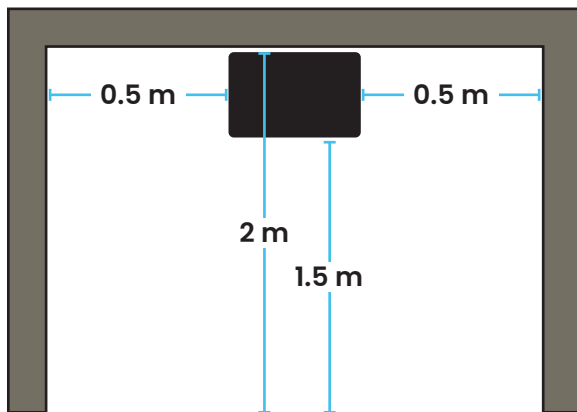
Setting Up | Charge Only Station

1 CHOOSE HOME LOCATION

The home location for the Charge Only Station must have access to power supply.

A clear width around the Charge Only Station (as described below) should also be provided.

At your chosen home location for the R3 Scrub Pro, set up the Charge Only Station.



To keep a clear width of:

- On the sides of the Station: **0.5 m (~20 in)** and
- In front of the Station: **1.5 m (~59 in)** OR From the back of the Station: **2 m (~79 in)**

✓ GOOD

Near a corner with no obstacles within the clear width (stated above) and on flat, even ground.



At the ends of hallway with minimal human traffic.



✗ AVOID

Not at pantry, near lifts, stairs, or cluttered area.



Not in the middle of hallway with heavy human traffic or dynamic obstacles.

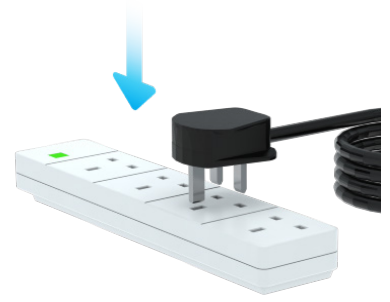


2 CONNECT POWER CORD

Plug the power cord to the bottom right socket at the back of the Charge Only Station.

Connect power cord provided to the nearest powerpoint.

Power on.



NOTE

- This power cord must be plugged in to the Charge Only Station at all times.
- Charge Only Station must be placed against the wall such that the rubber stoppers are in contact with the wall for stability, and its cables tucked in.



TIPS

ADDITIONAL NOTES WHEN SETTING UP THE CHARGE ONLY STATION

✓ GOOD

- Place the station against a wall such that the rubber stoppers are in contact with the wall for stability.
- Cables are tucked in



✗ AVOID

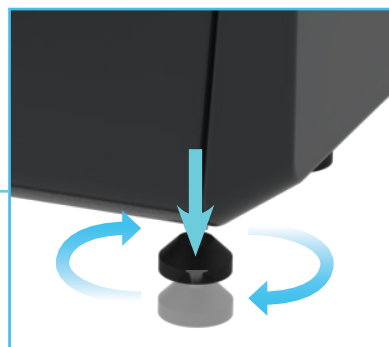
- Gaps between the rubber stopper and wall
- Tangled or loose cables



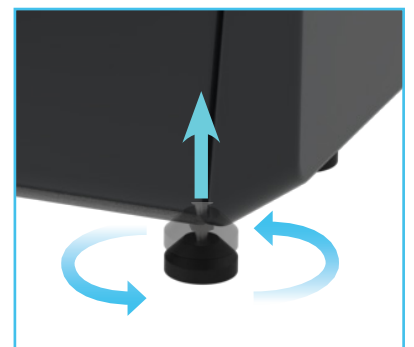
Leveling the Station with the Adjustable Foot

Turn clockwise to lower the foot (or taller foot height).

Turn anti-clockwise to bring the foot upwards (or shorter foot height).



Clockwise:
Taller foot



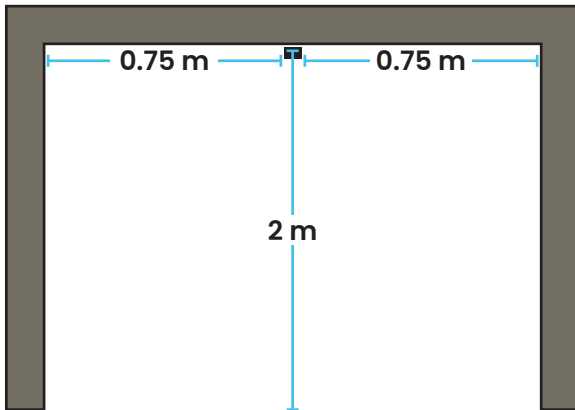
Anti-Clockwise:
Shorter foot

Annex

Setting Up | Magic Tag

1 CHOOSE HOME LOCATION

A clear width around the MagicTag (as described below) should be provided.



To keep a clear width of:

- On the sides of the MagicTag: **0.75 m (~39 in)** and
- From the wall: **2 m (~79 in)**

✓ GOOD

- Should be vertically set up on plain background
- In a well-lit location



✗ AVOID

- Should not be in an angle
- Not on glass, mirrors, patterned or black surfaces
- In a dimly-lit location



i NOTE

- Before connecting the MagicTag to the robot, do not attach the tag to the surface first.

Annex

Consumables

SPT-00016	10 x Pair of Blue Squeegee Rubber (Primothane)
SPT-00017	10 x Pair of Red Squeegee Rubber (Linatex)
SPT-00018	1 x Pair of Red Squeegee Rubber (Linatex) 1 x Pair of Blue Squeegee Rubber (Primothane)
SPT-00019	1 x Debris Tray Rubber Flap
SPT-00020	1 x Waste Water Discharge Hose
SPT-00021	1 x Squeegee Suction Hose
SPT-00022	1 x Soft Brush (Blue)
SPT-00023	1 x Standard Brush (Black)
SPT-00024	1 x Hard Brush (Grey)
SPT-00025	1 x Microfiber Roller Brush (Orange)
SPT-00026	MagicTag (used on Walls)
SPT-00028	5 Pack MagicTag Box (used for R3 Scrub Pro - Charge Only Station)
SPT-00029	5 Pack MagicTag Box (used for R3 Scrub Pro - Refuel Station)
SPT-00031	10 x Side Brush
SPT-00032	1 x Standard Brush (Black) 1 x Pair of Red Squeegee Rubber (Linatex) 1 x Debris Tray Rubber Flap 2 x Side Brush



LIONSBOT