



# BAAMBA<sup>®</sup> GYRO PRO SUCTION 4400

## MANUAL

Welcome to the manual for the Baamba® Gyro Pro Suction 4400, a Smart Robot Wi-Fi Vacuum Cleaner with Smart Navigation Gyro 4.0 technology to sweep, vacuum, scrub and mop. Its brand-new Gyro 4.0 technology allows it to keep all types of floor thoroughly clean by using the SPC IoT application.

Control the robot using the main voice commands thanks to SPC IoT Skill and Action.

## RECOMMENDATIONS FOR USE

Please pay attention to the following safety measures before using the product:

- Read the instructions carefully. Use the product in accordance with the operating instructions. Keep the instructions in a safe place so you can consult them in the future.
- If you want to give the product to someone else, please include the instructions.
- Incorrect use may lead to serious personal injuries and can damage the product.

## WARNINGS

- The warranty shall be void if the fault is caused by a lack of maintenance or failure to clean the removable parts and brushes.
- Remember to keep your robot clean, to prevent faults developing and to extend the working life of the product by doing the maintenance work regularly.
- The instructions for use must be supplied along with the smart cleaning robot so that it can be used safely.
- Unplug the smart cleaning robot before doing any cleaning or maintenance work.
- Always supervise children to ensure that they do not play with the smart cleaning robot.
- The smart cleaning robot should only be used with the power cable supplied.
- This smart cleaning robot is intended only for domestic use, it should not be used outdoors.

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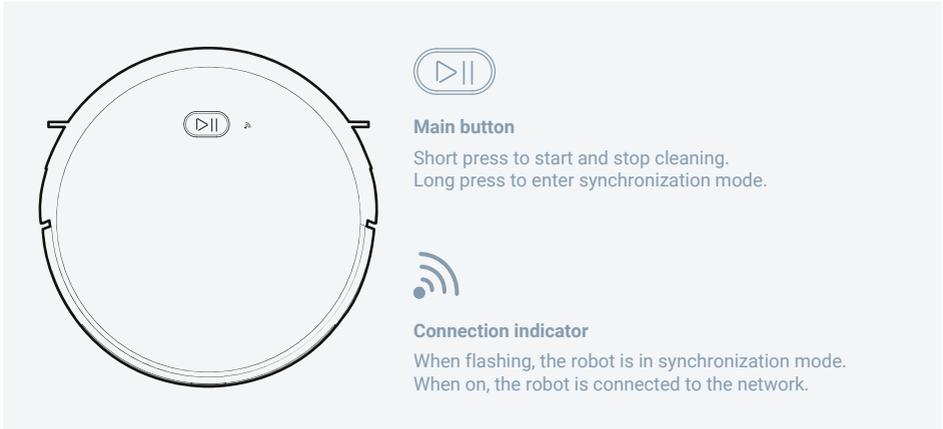
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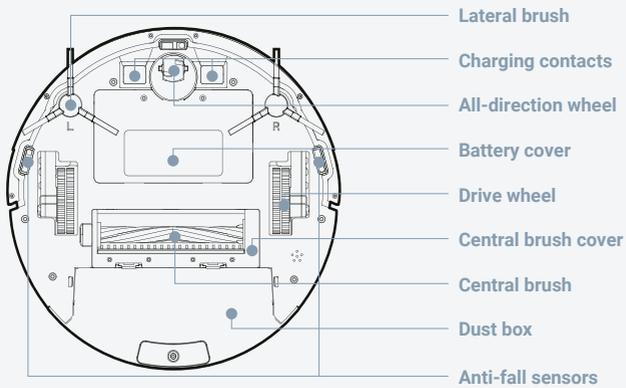
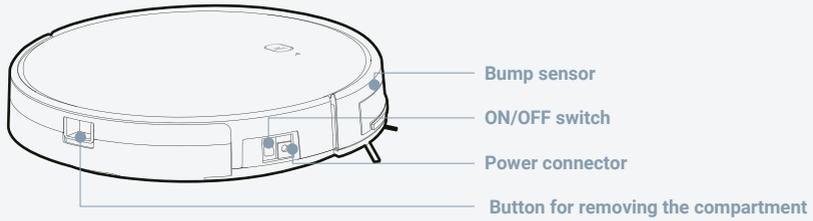
# 1. PARTS AND COMPONENTS

## 1.1 ROBOT

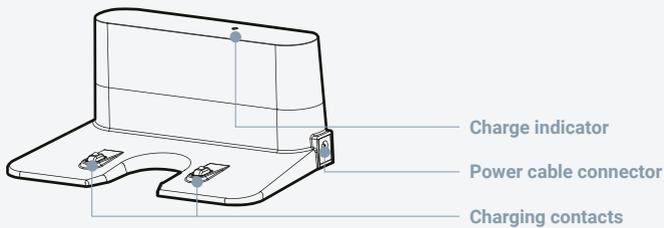


INDICATOR LIGHTS	
LIGHT	MEANING
Rapid flashing green light in the Wi- Fi indicator	The robot is in synchronization mode
Slow flashing green light in the Wi- Fi indicator	The robot is in AP synchronization mode
Green light in the Wi-Fi indicator	The robot is connected to the network
Light off in the Wi-Fi indicator	The robot is not connected to the network
Green light in the button	The robot is cleaning
Flashing orange light in the button	The robot is charging
Orange light in the button	The robot is returning to the charging base
Flashing red light in the button	A cleaning error has occurred (go to the "Troubleshooting" section at the end of the manual)

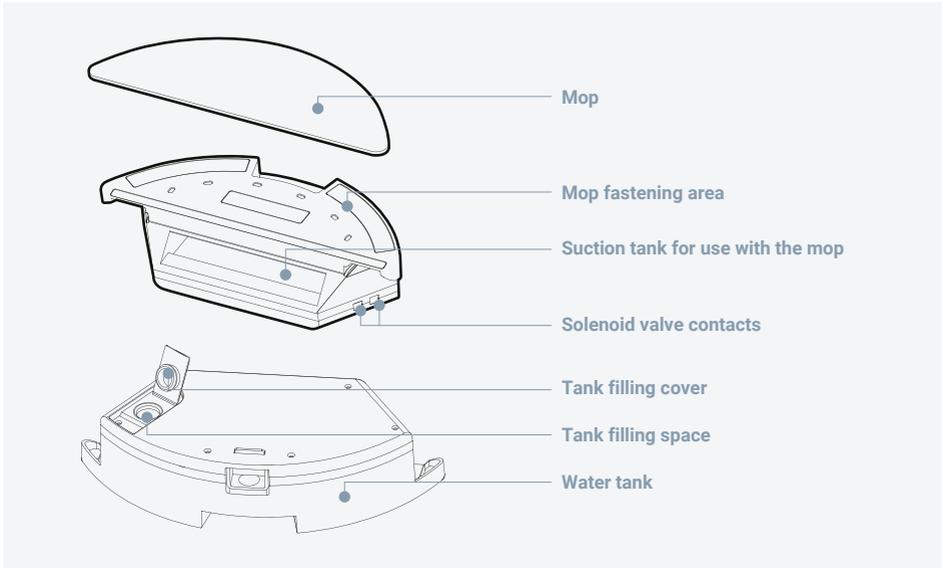
## 1.2 PARTS OF THE ROBOT



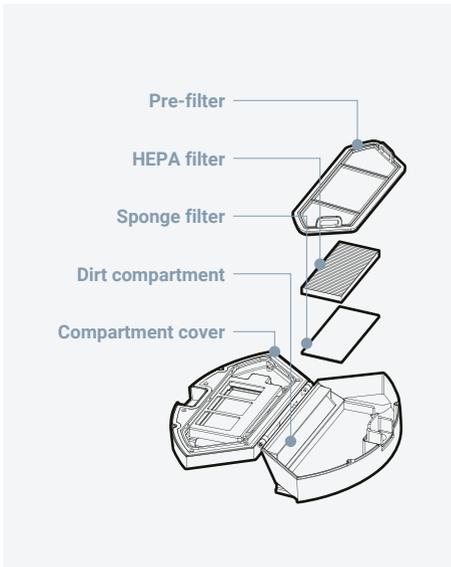
## 1.3 CHARGING BASE



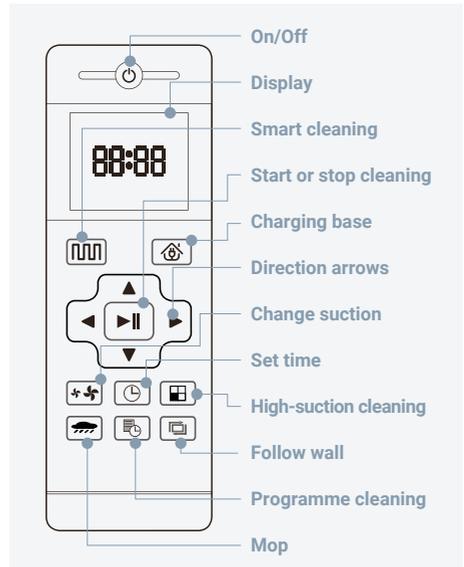
### 1.4 WATER TANK



### 1.5 DUST BOX



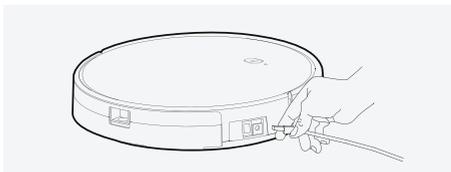
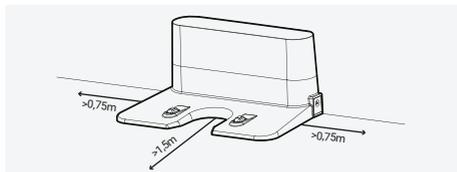
### 1.6 REMOTE CONTROL



## 2. PRODUCT INSTALLATION

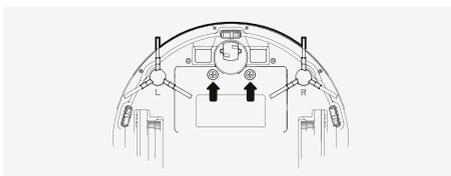
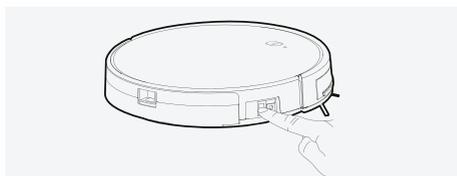
### 2.1 FIRST USE

Connect the power cable to the charging base, respecting the recommended distances. The robot can also connect directly to the power cable through the socket in its side.



Turn the robot on using the side switch. If it does not turn on, check that the battery is connected by removing the two screws on the rear cover. Once checked, place the robot on the charging base by lining up the electrodes and checking that the light comes on; if it does not, leave it to charge for 4-6 hours. Attach the lateral brushes that are included in the box, matching them to the letters on the robot.

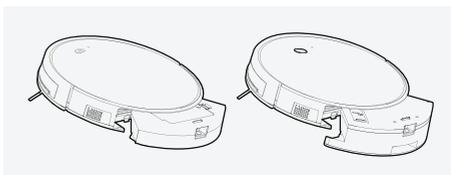
The robot cannot be turned off while it is charging. If you need to turn it off, remove it from the charging base and turn it off using the switch.



### 2.2 PLACING THE WATER TANK

Remove the dust box by pressing the button and sliding it out of the robot.

Insert the water tank by pushing it into the robot until you hear a click.



#### Advice:

- Do not use the water tank when using the cleaner for the first time.
- Do not use the robot's water tank if you will not be observing it.
- Do not leave the tank installed in the robot unless it is working.
- Remove the water tank before recharging the robot.
- If there are carpets in the home, remove them before starting the cleaning, or make virtual walls using the magnetic tape.
- Avoid using cleaning products because they can clog the water outlets.
- When the cleaning has finished, remove the mop, clean it and allow it to dry before using it again, clean the dust box with a cotton cloth and then check that the solenoid valve contacts are completely dry.

## 3. INSTRUCTIONS FOR USE

### 3.1 TURNING IT ON/ OFF

Turn the robot fully on and off using the side switch.

The robot will enter resting mode if it has not done anything for 10 minutes.

The robot cannot be turned off if it is charging.

### 3.2 OPERATING MODES

Make a short press on the  button for the robot to start automatic cleaning when turned on.

Click on Auto in the SPC IoT application for automatic cleaning.

Click on Back to charging base in the SPC IoT application to send the robot to the charging base.

Press the  button on the remote control to start automatic cleaning.

### 3.3 RECHARGE

When it has finished cleaning, the robot will return to its charging base.

If the battery becomes too low when cleaning, the robot will return to its charging base.

The robot will turn itself off automatically if the battery is completely drained: you can then place it on the charging base by hand, but please make sure that the electrodes are correctly aligned, or you can connect the power cable to the robot's side socket, and the button will flash green.

### 3.4 MANUAL MODE

You can control the robot manually from the application or the arrows on the remote control.

### 3.5 WALL FOLLOW

Select this cleaning mode in the application or remote control for more thorough cleaning of the edges of the room.

### 3.6 MOP

Select this mode from the control panel of the application or from the remote controller  button once the water tank is placed to use the mop.

### 3.7 SPIRAL

You can select this mode from the application so that the robot cleans one area more intensely and spirals outwards from there.

### 3.8 PAUSE

Press button  on the robot or  on the remote controller. You can press either button again to continue the cleaning.

### 3.9 RESTING

The robot will automatically enter resting mode if it has not performed any action for 10 minutes.

You can reactivate the robot by pressing the button or using the SPC IoT application.

The robot will not enter resting mode if it is on the charging base.

### 3.10 ERROR

If an error occurs, the button will flash red and the robot will emit 3 beeps, go to the "Troubleshooting" section at the end of the manual to find the solution.

### 3.11 FILLING THE WATER TANK OR EMPTYING THE COMPARTMENT WHEN CLEANING

If you need to fill the water tank or empty the compartment because it is full while the robot is working, press button  to stop it; remove the water tank and refill, or remove the compartment and empty it; then put them back and press button  again to continue cleaning.

### 3.12 SUCTION AND SCRUBBING MODES

You can select 4 suction modes from the SPC IoT application, Normal, Eco, Low and Pro, with Eco selected by default.

You can also modify the amount of water used when scrubbing, choosing from the 3 modes offered by the robot, Eco, Normal and Pro.

### 3.13 SPECIFY THE AREA FOR CLEANING

You can create virtual walls with magnetic tape to prevent the robot from entering certain areas. Just put the tape on the floor, and the robot will not pass over it.

### 3.14 PROGRAMMED CLEANING

You can establish a weekly cleaning schedule with the SPC IoT application. The robot will start cleaning at the set time and return to the charging base when it has finished cleaning.

You can also programme a daily cleaning routine from the remote control. You cannot choose the days of the week so the robot will start at the set time every day. First set the time on the remote by pressing  button and select the correct time with the arrows; then press  button and select the time, once selected press the same button again pointing at the robot, the icon  will appear on the remote control display and the robot will emit a sound.

To remove a programme on the remote control, keep the button  pressed for around 5 seconds, the robot will beep and the icon will disappear from the screen.

### 3.15 INDICATOR LIGHTS

If the Wi-Fi indicator flashes green, it means that the robot is in synchronization mode.

If the Wi-Fi indicator flashes slowly in green, it means that the robot is in AP synchronization mode.

If the Wi-Fi indicator is green, it means that the robot is correctly connected to the network.

If the Wi-Fi indicator is off, it means that the robot cannot connect to the network.

If the button is green, it means that the robot is working correctly.

If the button is flashing orange, it means that the robot is charging.

If the button is orange, it means that the robot is returning to the charging base.

If the button is flashing red, it means there is a problem with the cleaning, probably a blockage.

### 3.16 CONFIGURING THE NETWORK AND UPDATING THE FIRMWARE

To reset the network configuration, press the button  for around 5 seconds or use the SPC IoT application (follow the steps in the quick guide to connect the robot to the application) to delete the device; bear in mind that it is not compatible with 5Ghz networks.

If the robot is connected to your Wi-Fi network, you can control it remotely with your smartphone.

To update the firmware, use the SPC IoT application, make sure that the battery is not below 60%.

## 4. MAINTENANCE

### 4.1 DUST BOX

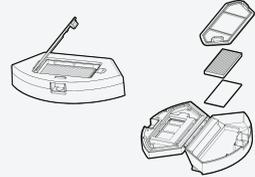
1. Remove the box from the robot.



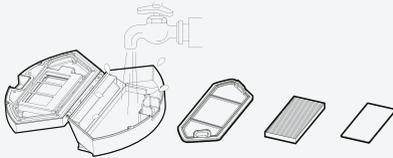
2. Open the dust box and tip the dirt collected into the rubbish.



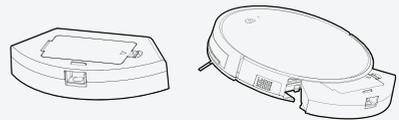
3. Remove the pre-filter, the HEPA filter and the sponge filter.



4. Rinse the compartment under the tap, drying it thoroughly before putting all the parts back together.



5. Reassemble all the parts of the compartment and replace it in the robot.



- The pre-filter must be washed once every 15-30 days when the robot is used normally.
- The working life of the HEPA filter is around 3 months of daily use.
- Do not expose any part of the filter to sunlight.

### 4.2 WATER TANK

1. Remove the water tank.



2. Remove the mop and wash it under the tap, then allow it to dry.



3. Empty the water tank as well and clean it well with a cotton cloth. When all parts of the water tank are dry, put them back together and it will be ready to start cleaning again.

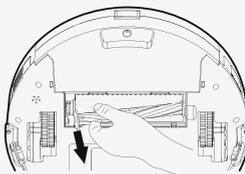


### 4.3 CENTRAL BRUSH

1. Remove the cover that holds the roller.



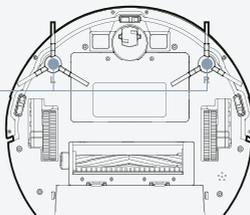
2. Remove the central brush to clean it with the brush; pay special attention to the bearings, because they can accumulate dirt that prevents them from moving freely. Use the cleaning brush included in the box.



### 4.4 LATERAL BRUSH

Remove and clean these brushes regularly, because hairs tend to tangle inside, forcing the motors that turn them to overheat when a certain number are trapped. The warranty does not cover faults arising from this cause.

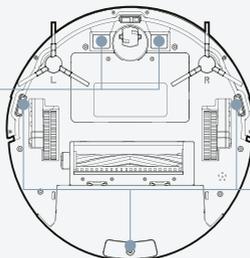
Lateral brushes



### 4.5 ANTI-FALL SENSORS AND CHARGING TERMINALS

Clean the anti-fall sensors and charging terminals regularly with a cotton cloth to ensure they work correctly.

Charging terminals



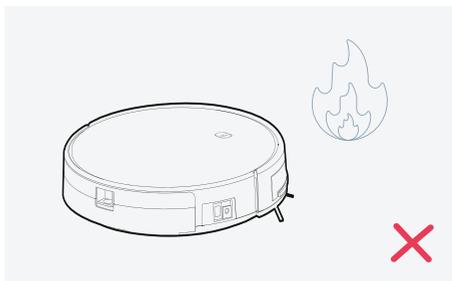
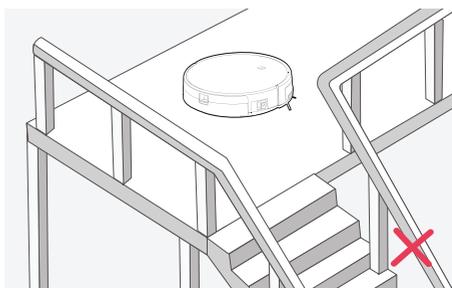
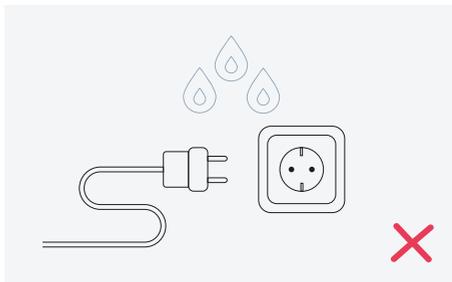
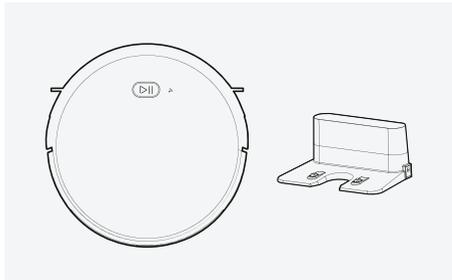
Anti-fall sensors

## 5. SAFETY INSTRUCTIONS

### 5.1 SAFETY MEASURES

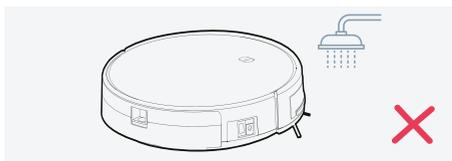
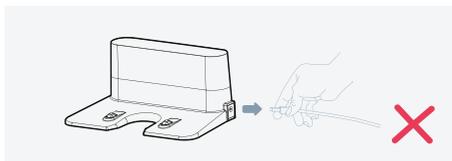
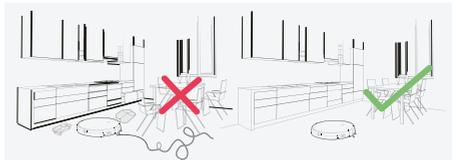
#### WARNING

- Only use the original adaptor, battery and charging base. Using different ones may damage the smart cleaning robot and may cause a fire through a short circuit and the high voltage.
- If you see that the main casing or accessories are damaged, do not use the smart cleaning robot and contact our after-sales service. Removing the main casing, repairing or reassembling the smart cleaning robot will cancel the device's warranty period.
- Unplug the smart cleaning robot before doing any maintenance work.
- Do not touch the battery terminal or the smart cleaning robot with wet hands. This may cause an electrical shock.
- If the main cable is damaged, contact SPC and wait for a professional to replace it to avoid damage.
- The robot cannot go down steps; its anti-fall sensors will prevent possible accidents, as long as they are cleaned on a regular basis. Take special care when there is a risk of falling to the lower floor and there are people present. Use the magnetic tape to create virtual walls.
- Do not place the smart cleaning robot near sources of heat or inflammable, explosive or corrosive materials.
- To avoid injuries, avoid contact with the brushes, wheels... do not put clothes on it or any part of your body (hair, fingers, etc.).



## IMPORTANT

- The smart robot is only intended for indoor use.
- Pick up the cables and other components from the floor to ensure they do not get tangled in the wheels or brushes, remove any fragile objects as well, such as glass bottles or glasses to prevent accidents and ensure that the robot is not splashed with water, oil or other liquids.
- If you unplug the charging base when the robot is working, it will not be able to recharge when it finishes cleaning. Remember that it must be placed next to the wall and in a flat space. Otherwise, it will not work correctly.
- Turn the smart robot off if you are not going to use it for a long period of time; store it with the batteries charged to 60-70% of their capacity.
- Do not clean up sharp objects with the smart robot, such as broken glass, nails or other materials. It may suffer damage, and this will not be covered by the warranty.
- Do not use the cleaner in wet, inflammable, explosive or corrosive atmospheres. They may damage the device and cause an accident.



## 5.2 SAFETY

- Children should not use the smart robot without supervision.
- Do not allow children to play with the plastic bags supplied with the machine, because they can cause suffocation.



### 5.3 INFORMATION ABOUT THE BATTERY

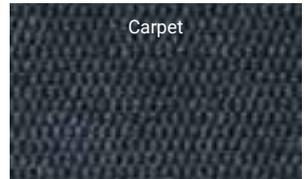
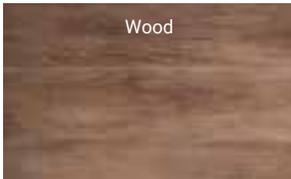
1. The smart robot must only be used with the original battery. Do not leave the device without a battery for a long time. If you are not going to use it, keep the batteries charged to 60-70%.
2. The battery can be changed by unauthorized personnel as long as the replacement is original. Contact our technical service to find out more.
3. Turn the smart robot's switch off before removing the battery.
4. The battery must be removed before disposing of the smart robot.
5. If you want to change the battery, please contact our after-sales service. Using the cleaner with an incorrect battery can damage it.
6. If the battery is leaking, do not touch the liquid. Clean up the liquid with a dry cloth and take the battery to a recycling centre or green point. Do not dispose of it anywhere else.
7. Keep the used battery separate from the other parts (such as the remote control). The battery contains hazardous substances. Recycle it in accordance with the original environmental protection regulations.



### 5.4 SURFACES WHERE IT CAN BE USED

#### APPLICABLE SURFACES

The cleaner can be used on the following surfaces:



### 5.5 EXCEPTIONS

In the following cases, the product will not be repaired free of charge. The repairs will cost extra:

- A. The product fault was caused by the user, who did not use it or store it in accordance with the instructions in the manual.
- B. The smart robot and its components are outside the legal warranty period.
- C. The product defect was caused by dismantling by a technician without SPC authorization.
- D. The product is not accompanied by a valid receipt.
- E. The model on the warranty card does not match the product to be repaired or has been modified.
- F. The product fault was due to causes beyond our control, such as natural disasters.
- G. The product fault or the damages it has suffered are the result of human actions or accidents (such as incorrect operation, contact with liquids, incorrect insertions or extractions, scratches, handling, impacts, incorrect power supply, etc).

## 6. TROUBLESHOOTING AND FREQUENTLY ASKED QUESTIONS

When the indicator light flashes red or you notice something wrong, you can try to solve the problem by checking the table below:

If you do not find your problem, please contact our technical service by calling +34 944 580 178.

PROBLEM	SOLUTION
The robot does not move	Check that the brushes are not blocked and there is no object in front of the robot, place it on the charging base and check that the indicator lights up. Move the robot to a new location and press the button to start cleaning.
The robot does not detect a step	Clean the anti-fall sensors with a cotton cloth; check there is no dirt on them, then press the button to start cleaning again.
The robot hits something and does not change direction	Check that nothing is blocking the shock sensor; it must move a little for the sensor to work.
The temperature of the robot is too high or low	Stop the robot and leave it to rest until it returns to its normal temperature.
It does not charge, or the battery does not fully recharge	Check that there is good contact between the robot's electrodes and those of the charging base; if there is, check that the electrodes are not dirty; if there is dirt, clean them with a cotton cloth (unplug the charging base before cleaning it).
The compartment does not fit inside the robot	Check that the HEPA filter is fitted correctly; if it is, check that the spring at the end can move when the filter is fitted.
The robot does not turn on or returns to the charging base very soon after starting cleaning.	The battery is too low, place it on the charging base and check that the indicator lights up. The ambient temperature is too low (<0°C) or too high (>50°C).
Fault when starting to clean	The battery is too low, place the robot on the charging base and wait for it to charge.
The robot does not reach the charging base	There are too many obstacles before the charging base. Clear the area near the base and respect the distances required. Check that the charging base is correctly connected to the mains energy supply.
Unusual movements	Turn the robot off and on again using the switch. Return to the default parameters using the SPC IoT application.

PROBLEM	SOLUTION
Strange noises when cleaning or the robot is stopped and showing an red light	Check the central brush, the lateral brush and the rollers (drive wheels and all- directions) to ensure that there are no object blocking its free movement.
It does not pick up all the dirt	<p>The compartment is full; empty it and restart the robot.</p> <p>The HEPA filter is blocked by dirt, clean the filter and restart the robot, if the filter is dark grey, change it for a new one.</p> <p>The central brush is blocked; check that the bearings do not have built-up dirt and there is no object blocking free movement, then put it down and restart the robot.</p>
Fault when connecting to the Wi-Fi network	<p>The Wi-Fi signal is too weak; put the robot in a place with a good signal.</p> <p>The Wi-Fi function is not working properly; restart the Wi-Fi connection, check that you have the latest version of the SPC IoT application installed and resynchronize the robot.</p>
Fault when starting cleaning	Check that it is properly loaded and that nothing obstructs or blocks the movement of wheels or brushes.
The robot does not return automatically when the base has been moved	If you have moved the charging base when cleaning and it is now too far from the robot, it will not be able to find its way back; place the robot on the charging base by hand.
The robot does not clean as programmed in the application	Check that the robot is connected to the network; if it isn't, resynchronize it, the robot must be connected to the network to do the tasks set in the application.
You cannot control the robot from the application	Check that the synchronization was successful, and that the robot is always within reach of the Wi-Fi signal.
Fault when synchronizing the robot	Check that both the robot and the charging base have a good Wi-Fi signal, make sure they are connected to a 2.4Ghz network. When you have checked this, follow the synchronization instructions in the quick guide.
The robot does not respond to orders from the remote control (maximum distance 5 metres)	Check that the batteries in the remote control are ok and that the robot is fully charged; finally make sure there is no other infra-red device that can cause interference. If it continues to have problems after doing these tests, check there is no dirt on the infra- red receiver of the robot and the emitter of the remote control, cleaning them with a cotton cloth.
The robot goes out on its own to start cleaning	Check that cleaning is not programmed in the application or the remote control.

## 7. TECHNICAL SPECIFICATIONS

ROBOT SPECIFICATIONS		CHARGING BASE SPECIFICATIONS	
Operating voltage	14.4V CC	Power source	230V AC
Nominal power	72 W	Input current	800mA AC
Battery	Lithium-ion battery	Frequency	50/60Hz
Battery capacity	5200mAh	Nominal power	19W
Charging time	De 4-6 H	Output voltage	19V CC
Operating time	160 min	Output current	1000mA CC
Suction power	2000-4400Pa		
Working temperature range	0 °C ~ 50 °C		
Working humidity range	≤ 85%RH		
Noise	≤ 70dB		
Net weight	3kg		
Measurements	Φ330mm x 75mm		

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**support.spc.es**

Teléfono: **+34 944 58 01 78**

EN · To see more details about the operation of this device or any other technical query, go to: **support.spc.es**

PT · Para mais informações relativas ao funcionamento deste equipamento ou para qualquer esclarecimento técnico, visite:

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Telefone: **+351 308 805 245**

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DE · Weitere Informationen zur Handhabung dieses Geräts oder etwaige technische Fragen finden Sie unter: **support.spc.es**

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