

ONSON

J20C Robot cleaner user guide manual

MODEL: J20C

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Safety Instructions

- To reduce the risk of damage, please keep in mind the following safety precautions when resetting, using and maintaining the product:
- Please read all safety and operation instructions before using this product.
- Please preserve the instructions for future use.
- Please note all warnings in the instructions regarding the product, battery, charging dock.
- Follow all instructions and instructions.
- The external soft cable or cord of the power adapter is damaged and cannot be replaced;If the cord or plug is damaged, the power adapter will be scrapped.
- This product can only use standard power adapters. The product should not be used with other types of power adapters. Use of another power adapter will void the warranty

Warning: standard rechargeable battery only: maximum 48V,2600mAh lithium battery, other types of batteries may explode and cause damage.Contact customer service for proper battery replacement.

- Remove rechargeable batteries from products and accessories before long-term storage or transportation.
- The battery must be removed from the product before it is scrapped.To remove the battery from the product, use a screwdriver to unscrew the battery cover. Remove the battery through a disconnected quick connector.
- ⚠ Warning chemicals: if the battery leaks, keep the leaking liquid away from the skin or eyes.If exposed, wash with plenty of water and seek medical advice.Please follow local laws and regulations to remove and scrap product batteries.
- ⚠ Warning of fire or explosion hazards: do not squeeze or remove batteries;Do not put the battery in any heat source or direct sunlight.Don't burn out or short out the battery.Do not allow the battery to be mechanically impacted.
- Liaise with your local waste management authority to follow the rules for battery recycling and disposal in your area.
- This product is not a toy, do not sit or stand on the product, while the product is working, please supervise the children and pets.
- For indoor use only.
- It is strictly prohibited to use non-rechargeable batteries, only the original rechargeable batteries of this product could be used. If the battery is replaced, please purchase the OEM battery from customer service.
- Use and store the product at room temperature.
- Do not spray or splash water on the product.
- Do not use any other power source cord.If you need to replace electrical wiring, please contact customer service to ensure proper selection of dedicated power source lines according to the national standard.
- Do not use this product to clean sharp objects, glass, or anything that is burning or smoking.
- Do not immerse the battery in any liquid.
- Do not use this product to clean bleach, paint or other chemicals and anything wet.



- Before using this product, please tidy up items such as clothes, pieces of paper, hanging curtains or curtains, power source cords and any fragile items. If the product goes over a wire and drags it, it may pull an object off a table or shelf.
- If there is such an environment as a balcony, a protective fence should be set on the edge of the balcony to prevent products from entering the balcony and ensure safe work.
- Do not place anything on top of the product.
- Take caution when walking in the area where the product works so as not to step on it.
- Do not use the product on the floor with exposed sockets.
- Do not use the product on rough and uneven floors, which may damage the floor and products, only on flat hard floors or carpets.
- This product will not scratch the floor when used on the floor. Nevertheless, it is still recommended that trying it in a small area of the room to ensure that there are no scratches before cleaning.

Related Information about rechargeable batteries

lithium battery

Lithium battery important note: lithium batteries and products containing lithium batteries should comply with strict transport regulations. If the product (including batteries) needs to be transported for maintenance, travel or any other reason, the following transportation instructions must be followed:

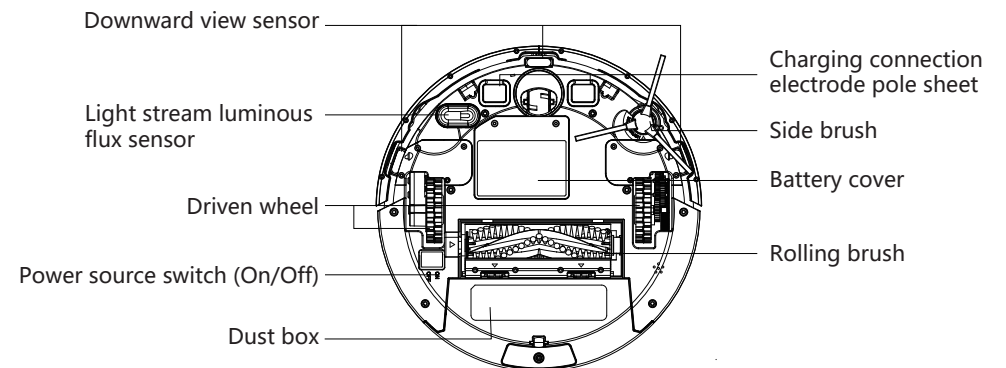
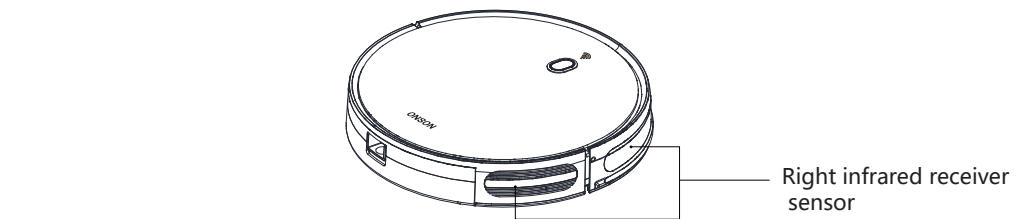
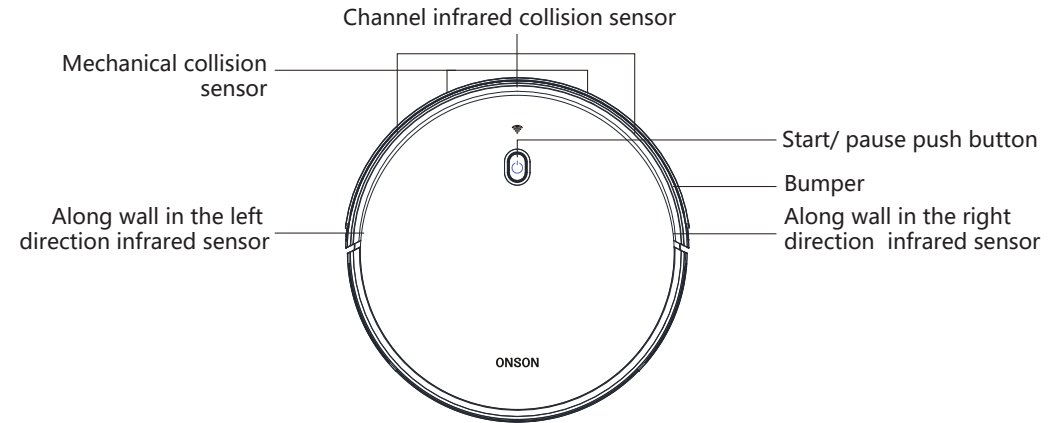
- Remove the battery from the product.
- Place a piece of tape on the battery's charging poles.
- Re-place the taped battery in place and close the battery cover.
- Pack the product in original or suitable packaging when shipping.
- The product could be only transported by land, not by air.

Battery Storage

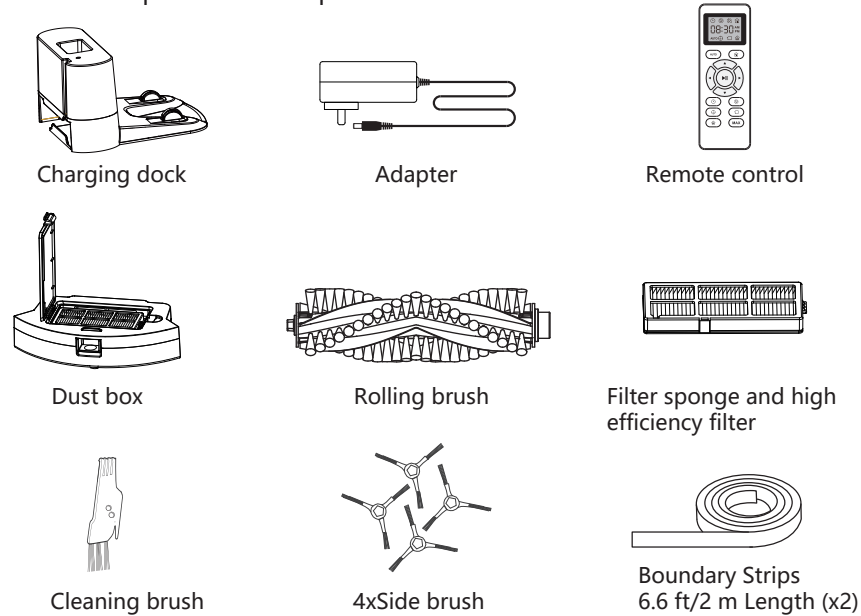
If the product is picked up from the charging dock for storage, remove the battery first. Products and batteries should be stored in a cool, dry place.

Components of the product

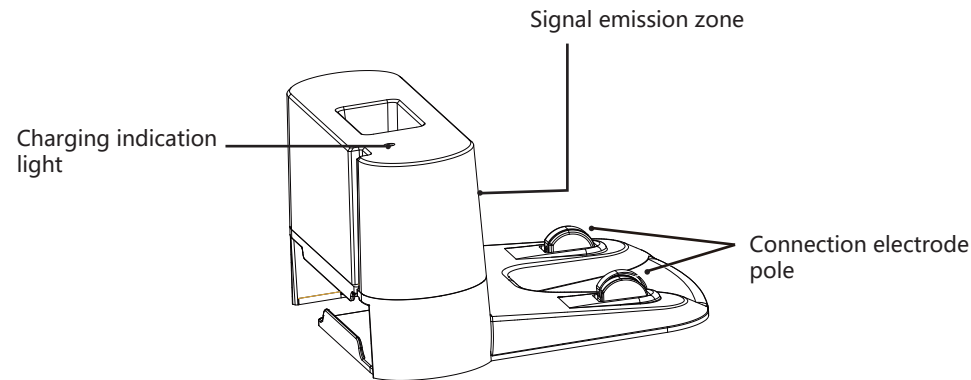
1.1 Robot cleaner



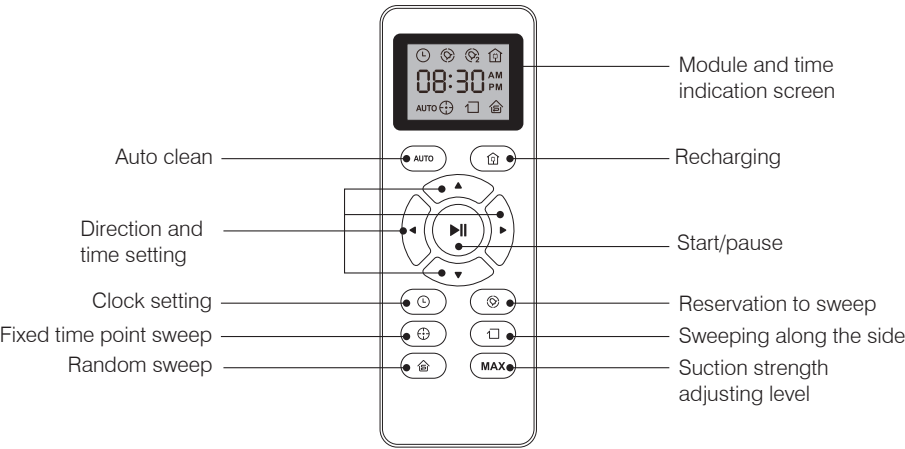
1.2 Other components of the product



1.3 Charging dock



1.4 Remote control



Warm tip: For the first time of use, please install a pair of AAA batteries before using the remote . Ensure that the correct polarity of the battery is installed; When the remote control is in use, please aim at the J20C sweeper. The effective distance is 0 -8meter.

1.5 Cleaner light indication method (including lamp indication time)

	Operation indication light	WIFI indication lamp	Remark
Sleep mode	No light indication	Non light indication	WIFI Standby mode
Standby mode	Main push key blue lamp on	Link constant on/ disconnect flicker	
Work mode	Main push key blue lamp constant on	Link constant on/ disconnect flicker	
Recharging mode	Low power recharging: the purple light of the cleaner key is always on. Non-low power recharging: the purple light of the cleaner is always on	Link constant on/ disconnect flicker	
Recharging mode	Purple breathe	Link constant on/ disconnect flicker	
Error mode	Main key button red light constant on or flicker	Link constant on/ disconnect flicker	
Distribution network link		WIFI Lamp quick flicker	
Distribution network link successful		WIFI Lamp constant on	

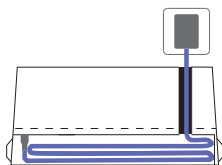


Product usage

2.1 Quick start

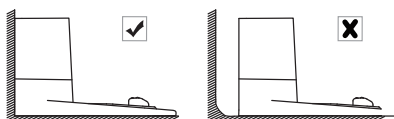
1. Connect the charging dock to the cable storage box at the bottom of the charging dock.

Warm tips: Uncollected cables may trap the cleaner that is cleaning or recharging.



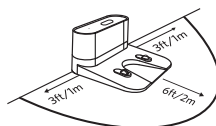
2. The location of the charging dock

1. Place the charging dock against the wall on a leveled flat ground.

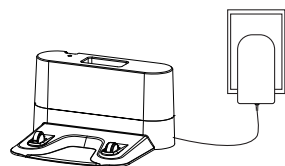


2. Make sure the charging dock is placed along the wall to avoid any gaps.

- Ensure 2m directly in front of the charging dock and 1m free space on both sides.

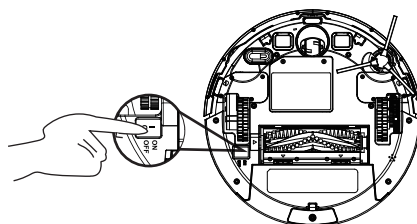
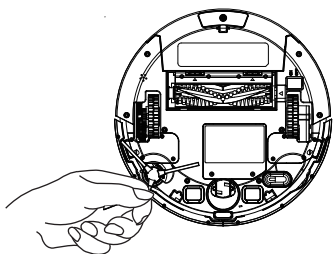


3. Connect the adapter plug to a power socket at the charging dock and the other end to a wall socket.



Warm tip: make sure the charging dock is in the light on state when connected to the power supply, otherwise the product could not be automatically recharged.

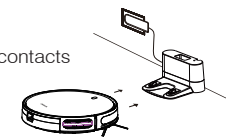
3. Install side brush, card slot into place and hear a "click" to complete the installation.
4. Turn on the power on key at the bottom of the main engine (1 means power on, 0 means power off).



5. Activate product

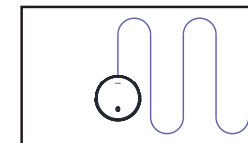
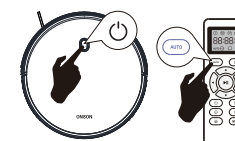
Place robot onto the Charging Dock, making sure the metal charging contacts on the Charging Dock match up with those underneath the Robot.

If successful you will hear a series of tones. once the Power button illuminates robot is ready for use



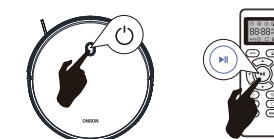
6. Start cleaning

- Press once to wake up the cleaner.
- Press again or the cleaner on the remote control starts cleaning automatically.



7. Pause

- Please press the pause on the cleaner or remote control to clean the cleaner.
- To continue cleaning, press the button on the cleaner remote controller again.



8. Turn off

- Long press until the lights on the cleaner go out.
- Turn off the power switch if not in use for a long time. Cleaning mode

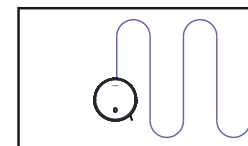
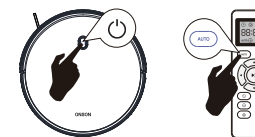


2.2 Automatic cleaning

1. Automatic cleaning

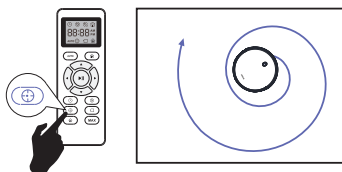
- Press the start of automatic cleaning on the cleaner or remote control.
- If the battery is low before the cleaning is completed, the cleaner will return to the charging dock for recharging.

Warm tip: During the recharging process, there may be a phenomenon that the charging dock cannot be found. At this time, the cleaner will flicker red light and "tick" four times. Please put the cleaner into the charging dock manually for charging.



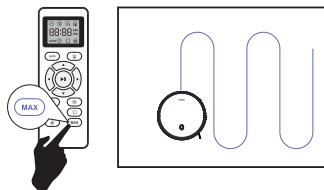
2. Fixed point cleaning

Fixed point sweep the fixed point sweep mode is selected. The cleaner concentrates on sweeping the partially local area by rotating outwardly in a spiral with a diameter of about 1m, and then spirals inwards to the starting point. Under this mode, the cleaner increases suction, giving you the best cleaning of the desired location. Please put the cleaner in a dirty place and press the remote control .



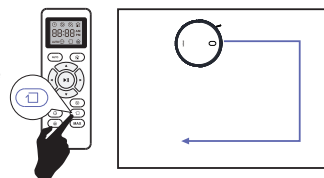
3. Suction adjustment

In operation mode, the suction can be adjusted by pressing the remote control .



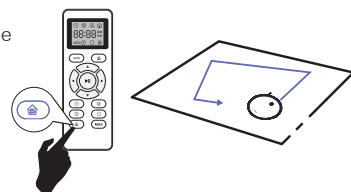
4. Border cleaning

Press the button on the remote controller  and sweep along the edges to make sure you sweep along the walls and legs of the furniture.



5. Random sweep mode

When the machine is in random mode, press the button  on the remote control.

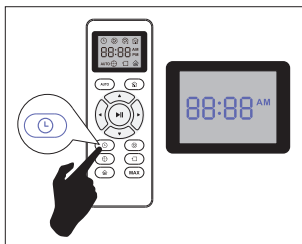


2.3 Time and appointment are scheduled

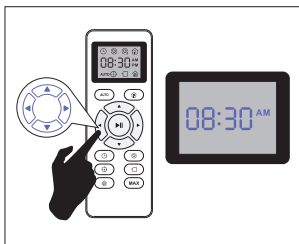
The cleaning time can be set on the cleaning time of the cleaner. The appointment timing function can be realized by the remote control. Before making the appointment, please make sure that the time of the remote control is consistent with your local time.

Warm tip: when you set the clock or schedule, please make sure the 1. remote control is close to the cleaner.

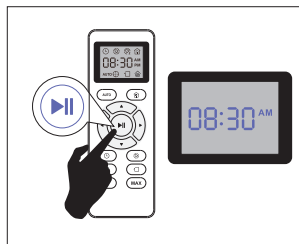
1. Set the remote control to display time



Press  on the remote controller. The Settings on the Settings screen start flashing.

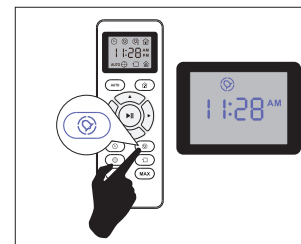


Press  or  button to select the desired figures. Press the  or  button to select the minute or hour section

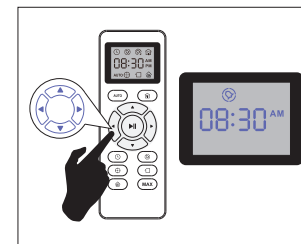


And then press the  button. the Robot will "BEEP" when the clock setting completed.

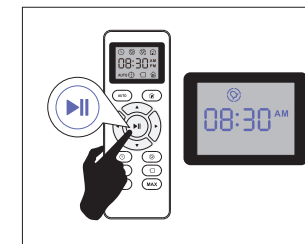
2. Setting Cleaning Schedule



Press  button on Remote Control, and then the hour section begins to flash in the Cleaning Schedule display setting window.



Press  or  button to select the desired figures. Press the  or  button to select the minute or hour section

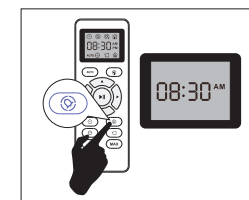


And then press the  button. the Robot will "BEEP" when the Cleaning Schedule setting completed.

Note: When setting Cleaning Schedule, ensure the time on Remote Control is correct.

3. Cancel the Cleaning Schedule

Press and hold  button approximately 4 seconds on Remote Control, the Robot will "BEEP" when the Cleaning Schedule process cancel completed.



Product Maintenance

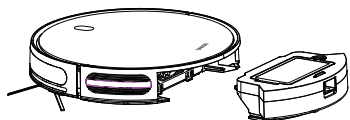
In order to ensure the service life and the best cleaning performance for cleaning and maintenance of the robot cleaner, please follow the following instructions in terms of cleaner components cleaning and maintenance.

Recommended cleaning/replacement frequency:

Cleaner component	Cleaning frequency	Replacement frequency
Dust box	After every time of use	—
Filter	Once weekly	Every 2 months
Rolling brush	Once weekly	Every 6-12 months
Side brush	Once monthly	Every 3-6 months (or if there is a lot of wear and tear)
Rolling brush guard bar	Once monthly	Every 3-6 months (or if there is a lot of wear and tear)
Sensor	Once monthly	—
Charging pole	Once monthly	—
Universal direction wheel	Once monthly	—
Oil grease treatment	Once monthly	—

3.1 Empty dust box

- 1 Press the dust box Release button to remove it.

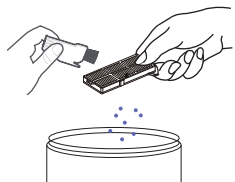
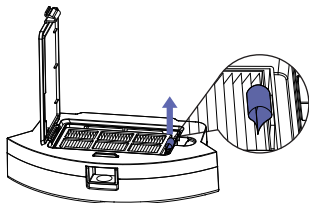


- 2 Remove the cover of the dust box and empty it.



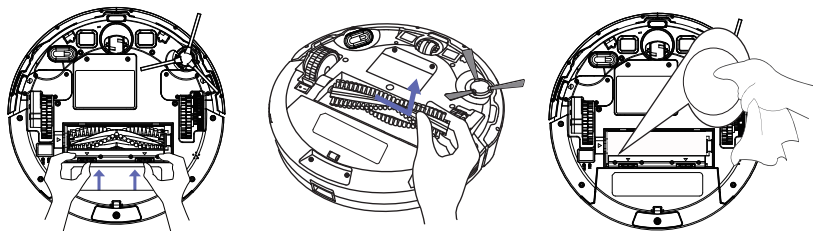
3.2 Cleaning filter

- 1 Pull on the white label and remove the filter
- 2 Shake the garbage off the filter.

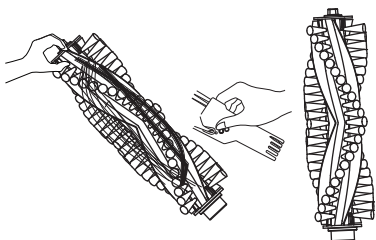


3.3 Cleaning brush, rolling brush, universal direction wheel and sensor

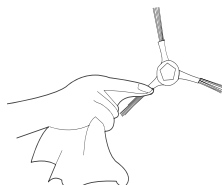
- 1 Remove the roller brush and clean the dust collection passage with a cloth.



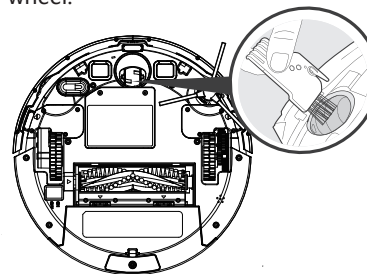
- 2 Clean roller brush. Remove the hair from the roller brush with the provided cleaning tool knife.



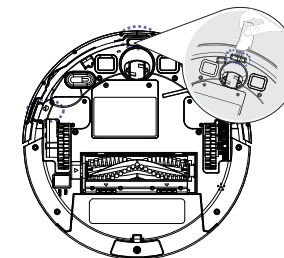
- 3 Take the side brush. Clean the side brush with a cloth brush.



- 4 Use a cleaning brush to clean the universal sensor.



- 5 Dust the sensor with a cleaning brush to ensure optimum performance.

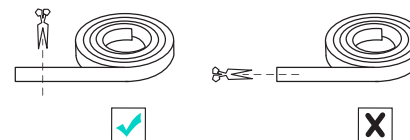


Note: please pay attention when cleaning the cleaner. If there is too much dust or oil on the optical flow sensor sleeve, do not wipe it with your finger.

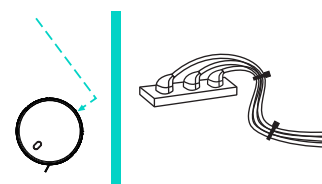
Use the Boundary Strip

With the Boundary Strip, you can keep RoboVac away from any area or item you do not want RoboVac to clean. RoboVac will recognize the Boundary Strip and will not cross into the blocked-off area.

1. Identify the area or item you do not want RoboVac to get close to.
2. If necessary, use scissors to cut the Boundary Strip to a shorter length. Be sure to correctly measure the length before cutting.



3. Apply the supplied strips of adhesive tape to lay the Boundary Strip flat on the floor. Make sure the strip is placed FLAT on the floor or under an area rug.



4. lamp effect and alarm indication

lamp effect indication

	Operation indication light	WIFI indication lamp	remark
Sleep mode	No light indication	Non light indication	WIFI Standby mode
Standby mode	Main push key blue lamp on	Link constant on/ disconnect flicker	
Work mode	Main push key blue lamp constant on	Link constant on/ disconnect flicker	
Recharging mode	Low power recharging: the purple light of the cleaner key is always on. Non-low power recharging: the purple light of the cleaner is always on	Link constant on/ disconnect flicker	
Recharging mode	Purple breathe	Link constant on/ disconnect flicker	
Error mode	Main key button red light constant on or flicker	Link constant on/ disconnect flicker	
Distribution network link		WIFI Lamp quick flicker	
Distribution network link successful		WIFI Lamp constant on	

Alarm Notice

When the cleaner fails, the red light of the cleaner AUTO button flashes or is always on, and it will emit a "tick" with different length. Please refer to the following table to inquire the cause of the failure:

Red lights blinking:

No	Beeps	Error	Solution
01	1	Gyroscope error	Keep the robot at a stable place to restart and do not move the machine
02	2	Bumper error	Check the bumper and remove any object that could be blocking it
03	3	Drop sensor error	Check if the bumper dirty and clean sensor
04	4	Low power or charging error	Robot voltage is too low and needs manually charging

Beeps and red light always on:

	Beeps	Error	Solution
01	1	Driving wheel error	Check if the drive wheel is blocked
02	2	Side brushes error	Check if the side brush is blocked and clean the side brush
03	3	Fan error	Clean up the garbage and air ducts channel
04	4	Roller brush error	Check if the roller brush is entangled and clean the roller brush

Warm Tips:

If the above method cannot solve the problem, please try the following operation:

1. Re-open the power switch on the bottom of the cleaner and restart the cleaner.
2. If the problem cannot be solved by restarting the cleaner, please send the cleaner to the after-sales service center for repair.

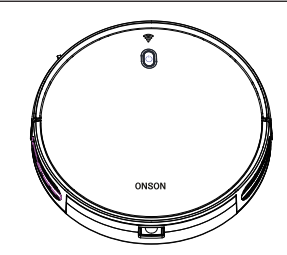
6. Troubleshooting

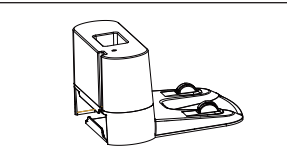
In the process of using the product, if the following problems appear, you could contrast and compare for the independent solution.



No.	Malfunction	Possible cause	Solution
1	The cleaner could not recharge	There is insufficient contact	Make sure the charging poles of the cleaner and charging dock fully connected.
		The power supply of the charging dock has been turned off, and the power switch of the cleaner has been turned on. It leads to power loss.	When the cleaner is not performing work, it is recommended that it will be maintaining the charging status, so as to better proceed to the next work task.
2	The cleaner got into trouble while working	The cleaner is tangled or obstructed by the scattered wire on the ground, the hanging curtain or the fringes	The cleaner will try various ways to cast himself. From being trapped, if not, manual assistance is suggested.
3	If the cleaning is not completed, the cleaner will return to charge	When the cleaner is working, it can sense the power shortage and return to charge automatically.	Charge to the cleaner
		For Wooden floor, ceramic tile and other flat ground, the cleaner work speed and time is different.	The working time of the cleaner varies according to the complexity of the room, the volume of garbage and the cleaning mode.
4	The cleaner does not clean automatically as scheduled	The power switch of the cleaner is not on. The cleaner cannot work by itself in the closed state according to the	Open the clean power source.
		The cleaner battery power low	When the cleaner is standby, it should be kept in the charging state on the charging stand to ensure that it is fully charged at any time.
		The cleaner parts being obstructed and tangled by garbage.	Turn off the power and clean the dust box. Turn the cleaner bottom up and clean the parts separately.
5	Remote controller malfunction	Remoter battery power load	Replace the new battery and install correctly
		The power switch of the cleaner is not on or the power of the cleaner is insufficient.	Ensure that the power switch of the cleaner is turned on and sufficient power is available to complete the operation.
		Remote control infrared transmitter or cleaner receiver in dirty condition, unable to transmit or receive signals.	Wipe the infrared transmitter of the remote control and the infrared receiver of the cleaner with a clean cotton cloth.
		There is an infrared device disturbance signal near the cleaner.	Avoid using remote controls near other infrared devices.

Product specification

	Product Type	J20C
	Input	19 V 0.6 A
	Working voltage	14.4 V
	Rated power	28 W
	Battery type	DC 14.4 V Li-ion 2600 mAh
	Dust box volume	0.5L
	Max cleaning time	20 mins
	Charging duration	300 - 360 mins

	Input	19 V $\approx$ 0.6 A
	Output	19 V $\approx$ 0.6 A

This product can be connected to a mobile APP for operation, please refer to the APP guide for details.



