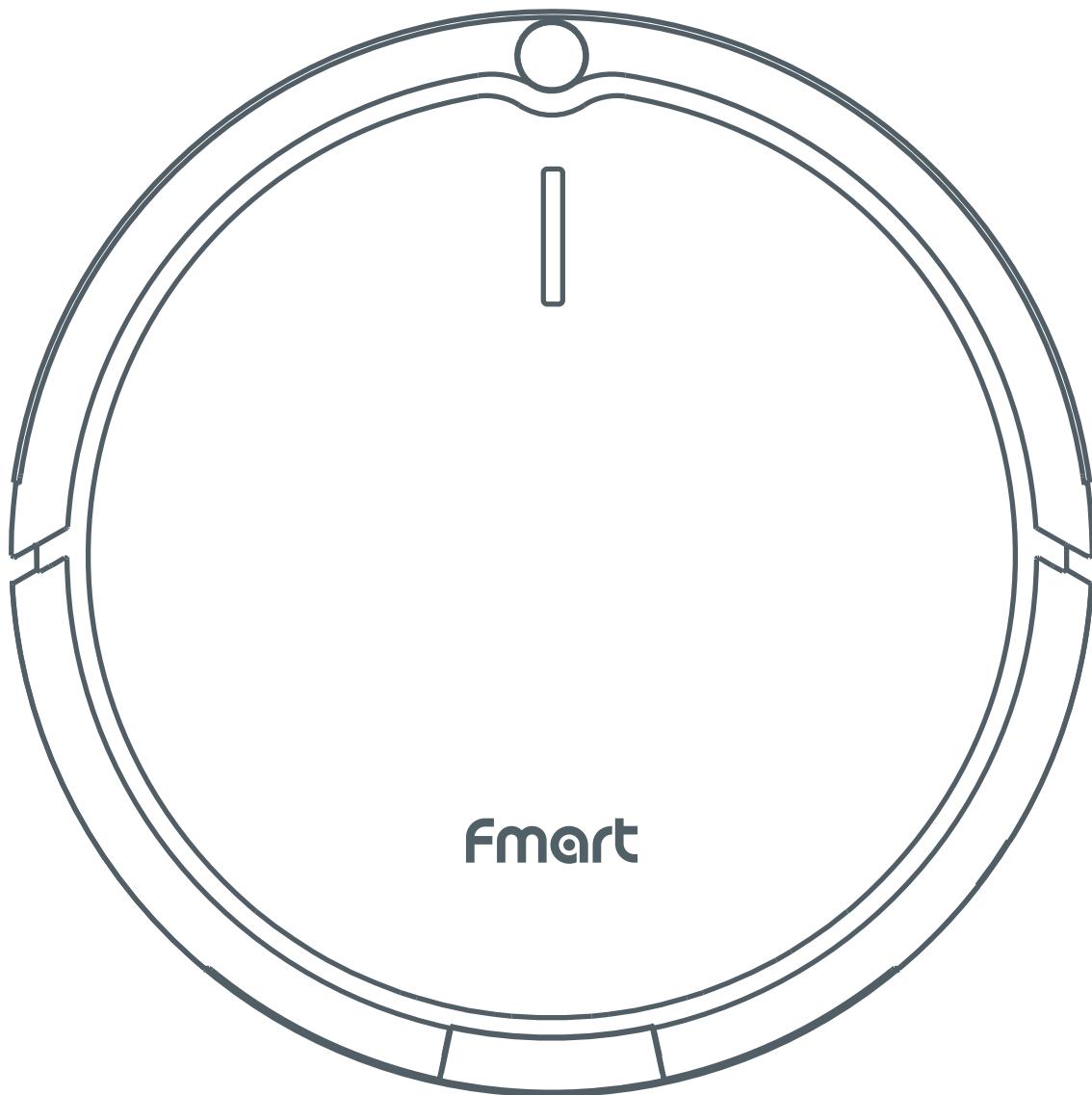


**Fmart**

**INSTRUCTION MANUAL**

model: YZ-X1



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## 1 Important Safety Instructions

Please read the following safety instructions before using this product to avoid damage.



**Warning!** Violation of safety instructions may cause severe personal casualty and property loss.

Do not put weight on the power cord or bend the power cord, otherwise may cause electric shock or fire.

Always use the original charger with this product, otherwise may cause product damage, electric shock or fire.

Do not touch the power cord with wet hand, otherwise may cause electric shock.

Keep the product away from heat or inflammables.

Do not touch wheels and brushes when the product is working and keep your clothes and hair away from the product when it is working.

Do not attempt to disassemble or revise the main machine, otherwise may cause fire, electric shock or personal injury.



**Attention!** Violation of safety instructions may cause personal injury and product damage.

Make sure the charger plugged in the socket tightly, otherwise may cause electric shock, short-circuit, smoke or fire.

Do not use the product to vacuum stone, big waste paper, burning cigarette ends or metals.

Do not stand or sit on the product, otherwise may cause product damage or personal injury.

Do not use the product on an easy falling place such as table or chair to avoid product damage.

Clear up all fragile, braided fabrics, glasses or bottles before use it, otherwise may cause damage.

Do not use the product to vacuum water or other liquids, otherwise may cause product damage.

Please take careful of children when use the product to avoid scaring or injury.

This product is intended to be an indoor appliance. Never use it outdoor.

Please switch the product off when you will not use it for a long time.

Do not use it in public commercial places.

When people with disabilities (body perception and thinking ability defects) and children using, need to be operated under the guardian to accompany with product use and get the related instructions.

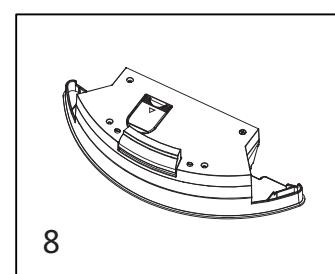
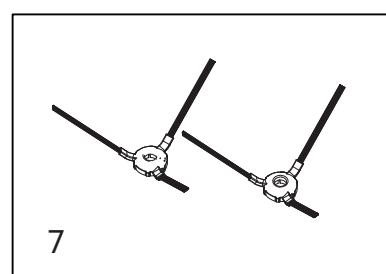
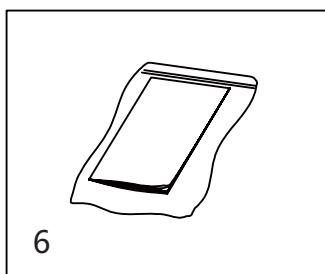
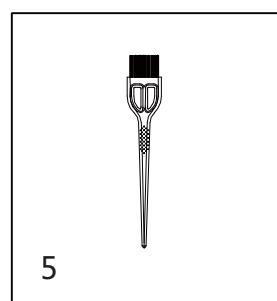
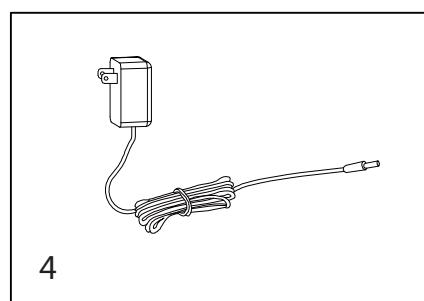
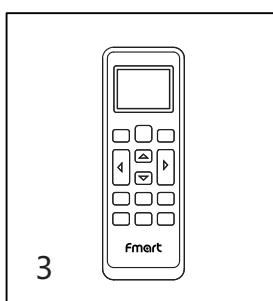
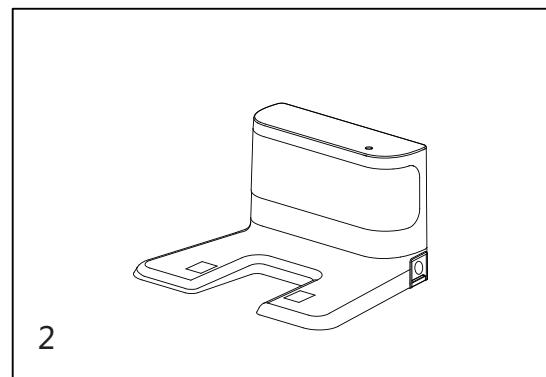
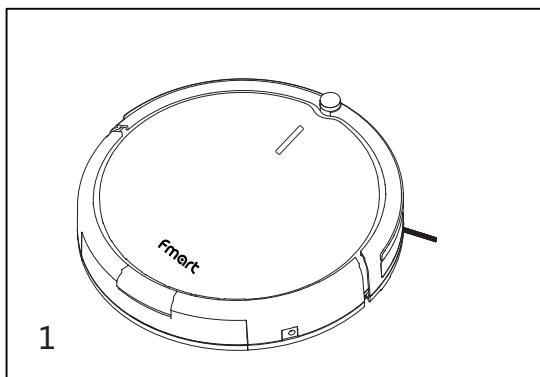
## 2 Product Components

### 2.1 The main machine and accessories

No.	Name	Quantity
1	Main machine	1pc
2	Charging station	1pc
3	Remote control	1pc
4	Adapter	1pc
5	Cleaning brush	1pc
6	Instruction manual	1pc
7	Side brush	2pcs
8	Water tank	1pc

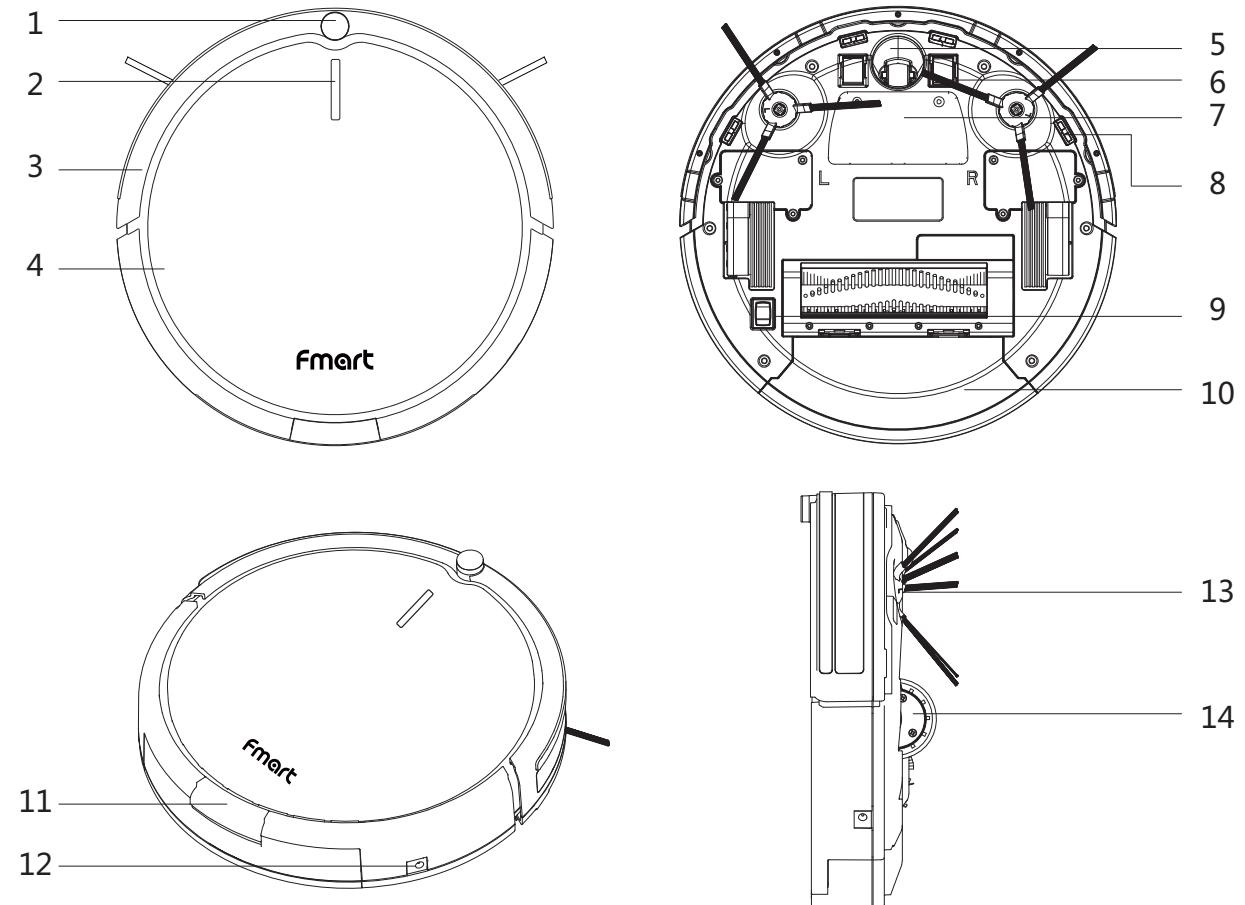
#### Attention:

Please take actual product shall prevail on the basis of not less than the above accessories.



## 2 Product Components

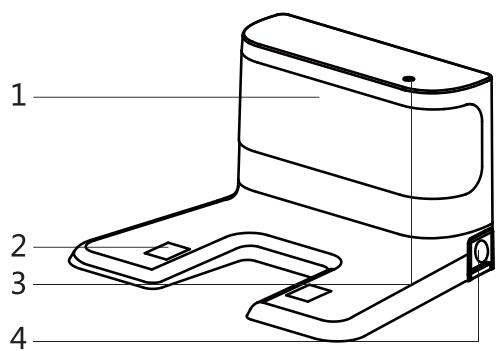
### 2.2 Main machine



- |                            |                           |                          |
|----------------------------|---------------------------|--------------------------|
| 1. Signal receiving sensor | 6. Charging poles         | 11. Dustbin cover button |
| 2. Clean button            | 7. Battery cover          | 12. Charging socket      |
| 3. Bumper                  | 8. Stair detection sensor | 13. Side brush           |
| 4. Panel                   | 9. Main brush             | 14. Driving wheel        |
| 5. Universal wheel         | 10. Dustbin               |                          |

### 2.3 Charging station

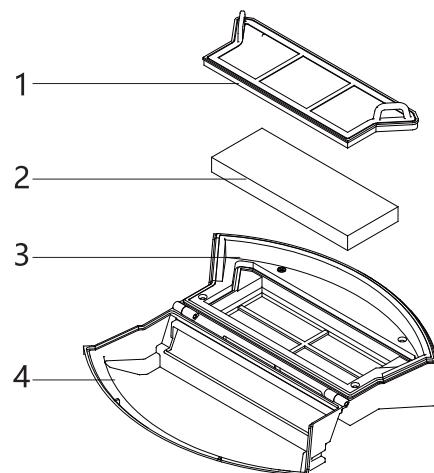
1. Signal projector
2. Charging poles
3. Indication light
4. Adapter socket



## 2 Product Components

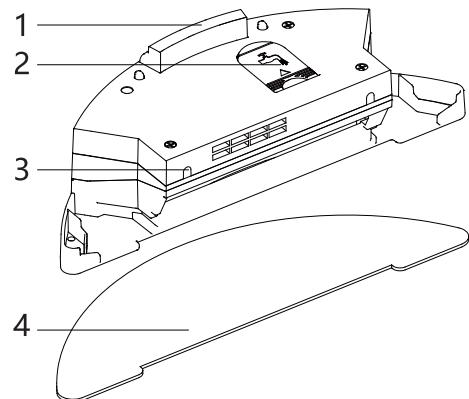
### 2.4 Dustbin

- 1.Primary filter
- 2.High efficiency filter
- 3.Dusbin upper cover
- 4. Dusbin button cover



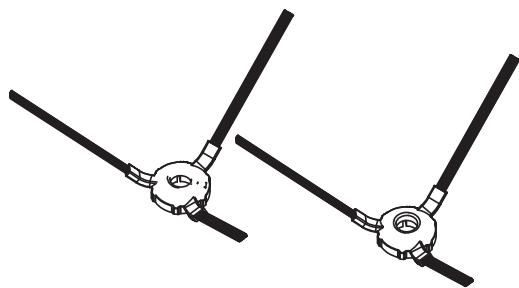
### 2.5 Water tank

- 1. Water tank button
- 2. Water inlet cap
- 3. Air valves
- 4. Mop



### 2.6 Side brush

Please install the side brush according to the color of the socket of the side brush. Left brush is green color, and right brush is red color.



### 2.7 Remote control

1

The robot is in standby or cleaning mode, press this button to start auto recharging. Voice prompt “DING”

2

- 1 Press this button to change standby mode from sleep mode (power switch is on).
- 2 In plan mode, press this button to confirm the schedule setting.

3

- 1 Press the button in standby mode, it will start the planning clean mode with notification tone.
- 2 Press the button in other working mode, it will stop working and continue work in the pre-timeout mode after you press the button again.

## 2 Product Components

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Press direction button to adjust the robot moving direction.



Press this button for 3 seconds to start time setting, press again to confirm time setting.



The main machine will start the distribution network if press the button for a long time which above 3 seconds.



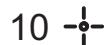
Press the button for 3 seconds for the appointment cleaning, press the On/Off button to confirm after setting and the machine will remind you successful appointment with “Ding”. Please set the time to 00:00, meanwhile, confirm with “On/Off” button which can cancel the appointment function. The machine will make “Dindin” notification tone after successful cancellation. (Please set the current time first before set appointment cleaning and aim the remote control to the machine when confirming.).



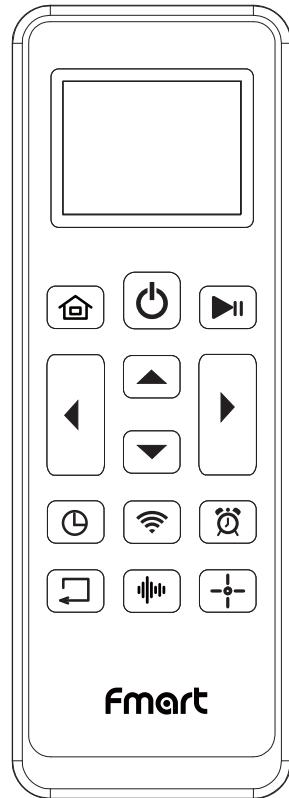
Press the button in standby mode or working mode, it will start edge mode with notification tone “Ding”. It will back to the charge station for charging after finish cleaning.



Press the button for one time in standby mode or working mode, the machine will turn “On/Off” the notification tone function.



Press the button in standby mode or working mode, it will start the spot cleaning mode with notification tone “Ding”. It will back to the charge station for charging after finish cleaning.



### Attention:

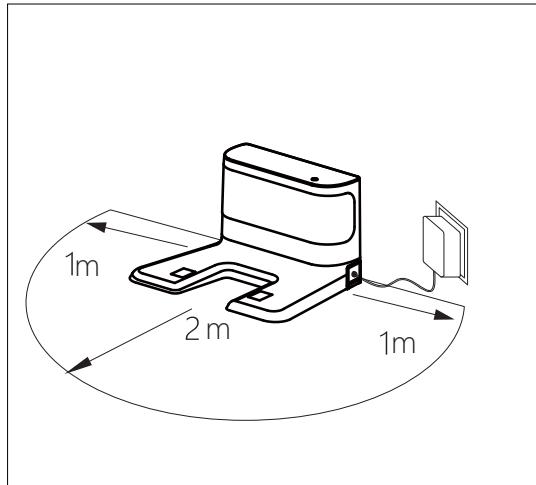
- 1 Please install 2 AAA/R03(No.7) battery.
- 2 Please take out battery when you do not use for a long time.
- 3 Remote control will be in standby mode in a few seconds after use, please press any key to wake up it.

## 3 Product operations

### 3.1 Quick start guide

#### 1. Place charge

Place charger, connect the adapter and power, and the power light on the charger will stay lit. Position the charger against the wall, and remove all obstacles about 1 or 2 meters ahead of the charger.



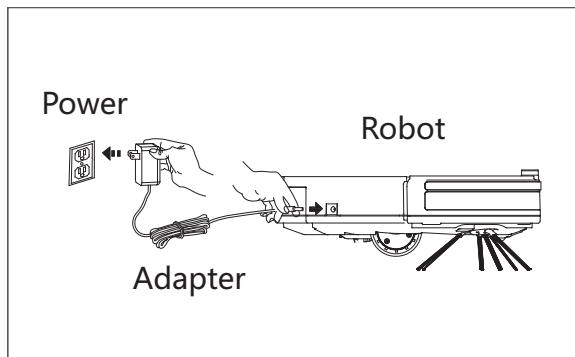
#### 2. Power Switch

Turn on the power switch of the product, and press directly the sweep button on the panel, voice prompts: enter cleaning mode, the product is start to clean.

Turn on the power within 5 seconds, reset the product WIFI, the product indicate start to flash. At this time the product will into the state of APP connecting network, after successful connection, voice prompts, successful network connection. Then the users can remotely control the main engine.

#### 3. Main machine sweep button

Turn on the power switch of the product, and press directly the sweep button on the panel, it will begin with a zigzag path cleaning.

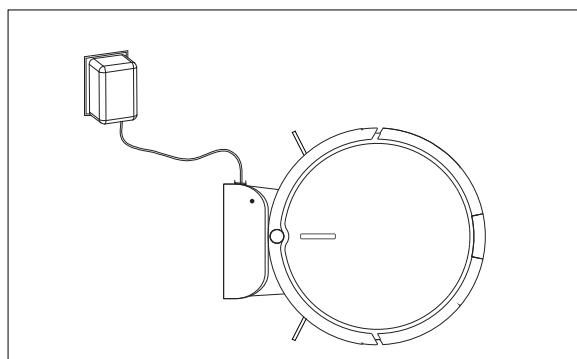


#### 4. Product charging

There are two methods of charging.

1 Plug the power adapter directly to the machine and the other end is plugged in the power.

2 When the charge is lower than 20%, the machine will automatically start looking for recharge stand, or press the recharge button on the remote control to return the automatic charger. Automatic recharge-sensing distance as in the charging a RADIUS 4m, please ensure that the charger is powered and obstacle location as little as possible, otherwise it could not find the charger.



## 3 Product operations

### Attention:

- 1 When charging, make sure the power switch is on.
- 2 using the charger stand will interrupt the charging and start the cleaning, so please do not make this operation when using the direct charge.
- 3 Charging the machine 6 hours for the first time.
- 4 When charging, the cleaning button blinks, and when fully charged, the cleaning button stops blinking, and is lit permanently.
- 5 Please switch the main machine off when long time no use.

### 3.2 Pause/Standy mode

#### 1. This model operation process: sleep mode>Standby mode>Cleaning mode

- 1 Sleep mode: power switch is on, CLEAN button light is off, the robot does not work.
- 2 Standby mode: power switch is on, CLEAN button light is on, the robot does not work.
- 3 Cleaning mode: the robot is cleaning, CLEAN button light is off.

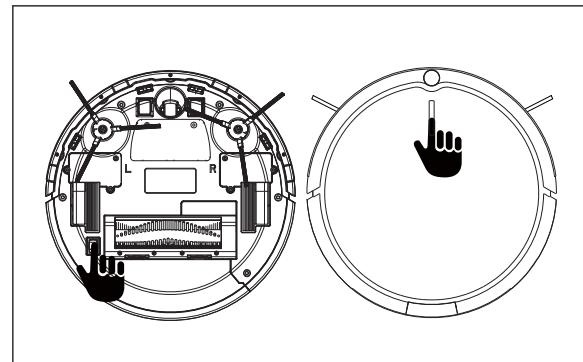
#### 2. Start

1 Please turn on the switch at the bottom of the machine.

2 Press sweep button on the machine or on the remote control to automatically start the machine to work.

### Attention:

When the robot is in sleep mode, press CLEAN button on the main machine to wake it up, press again to start cleaning.



#### 3. Standby mode

Standby mode refers to the machine switching from working status to static status. Press the sweep button on the machine or switch button on the remote control to operate.

#### 4. Sleep mode

In standby mode without any operation the machine will enter into standby mode after 2 minutes, or press the On/Off Button on the remote control and the machine is in static status and the button indicator light is off.

### 3.3 Plan mode

Under the plan mode, the machine can work at a preset time.

#### 1. Set the remote controller clock time

## 3 Product operations

1 Long press the clock button in the remote controller for 3 seconds, and set a specific time according to “up, down, left and right” direction button.

2 Press the clock button once again to save the setting.

### 2. Set the pre-scheduled cleaning time

1 Point the remote controller at the machine (the machine is in standby status).

2 Long press the “plan” button in the remote controller for 3 seconds into the plan mode, and set a specific time according to “up, down, left and right” direction button.

3 Press the on/off button to save the settings.

4 Please set the time to 00:00 if you want to cancel the appointment function. Press the On/Off button to confirm for the appointment function cancellation with notification tone “Dindin”.

#### Attention:

1 Set clock for your remote control before cleaning, the time settings are using real time.

2 Replace the remote control batteries, reset the appointment.

3 This machine uses real time for an appointment. If power is off, you will need to make an appointment.

4 Make an appointment for each half hour, clock settings are in minutes.

5 It just can be set once if you make appointment by the remote control, please set by APP if you want to make several appointments.

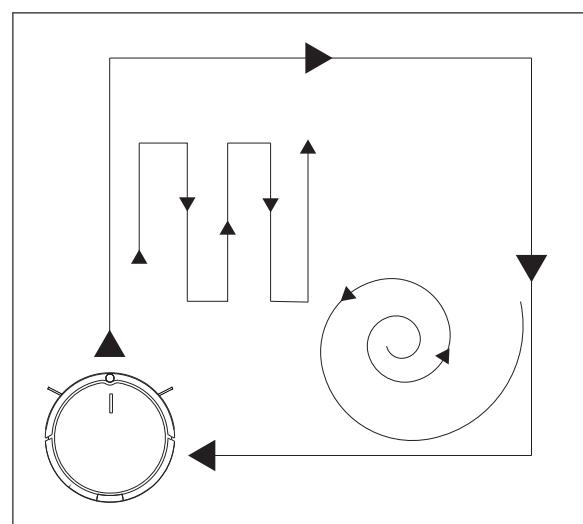
### 3.4 Clean mode

#### 1. Automatic clean

Press the plan cleaning key on host or the ►|| key on remote then product into the bow-shaped path planning mode of cleaning, will automatically find the charging stand to charge after cleaning

#### Attention:

Machine in any cleaning mode, press the remote control “on/off” button or sweep button on the machine to stop working.

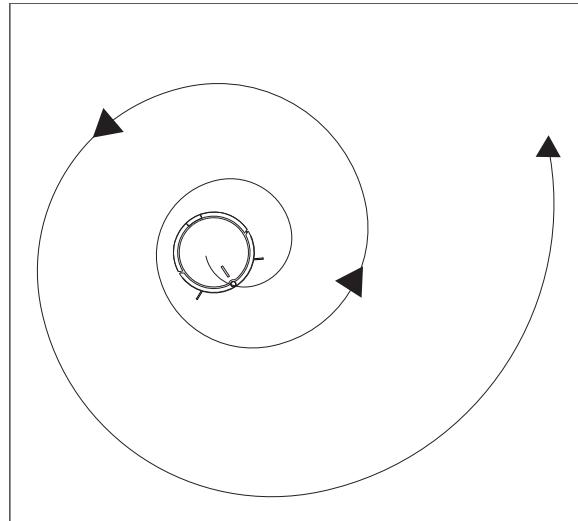


## 3 Product operations

### 2. Spot cleaning

Place machine in clean area, press the remote

button on the machine to start with the placement point spiral sweep.



### 3. Edge cleaning

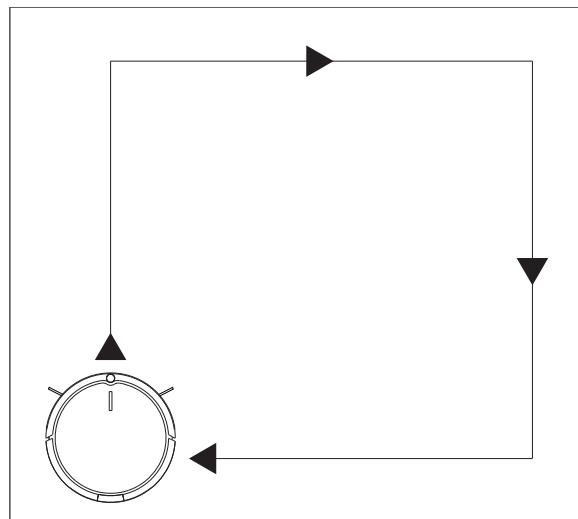
Press button on remote control to start edge cleaning mode, the robot will start edge cleaning.

Note:

1 The current job will be suspended if you press the auto button, whatever in any cleaning mode.

Press the auto button again the machine will continue work in the pre-timeout mode.

2 Please keep the machine in the Pause Mode first when you want to switch the Edge/Spot mode to the auto mode, then press the auto button again, it will switch to auto mode.



### 3.5 Water tank and mop operation

#### 1. Filling water into water tank

1 Open water inlet cap.

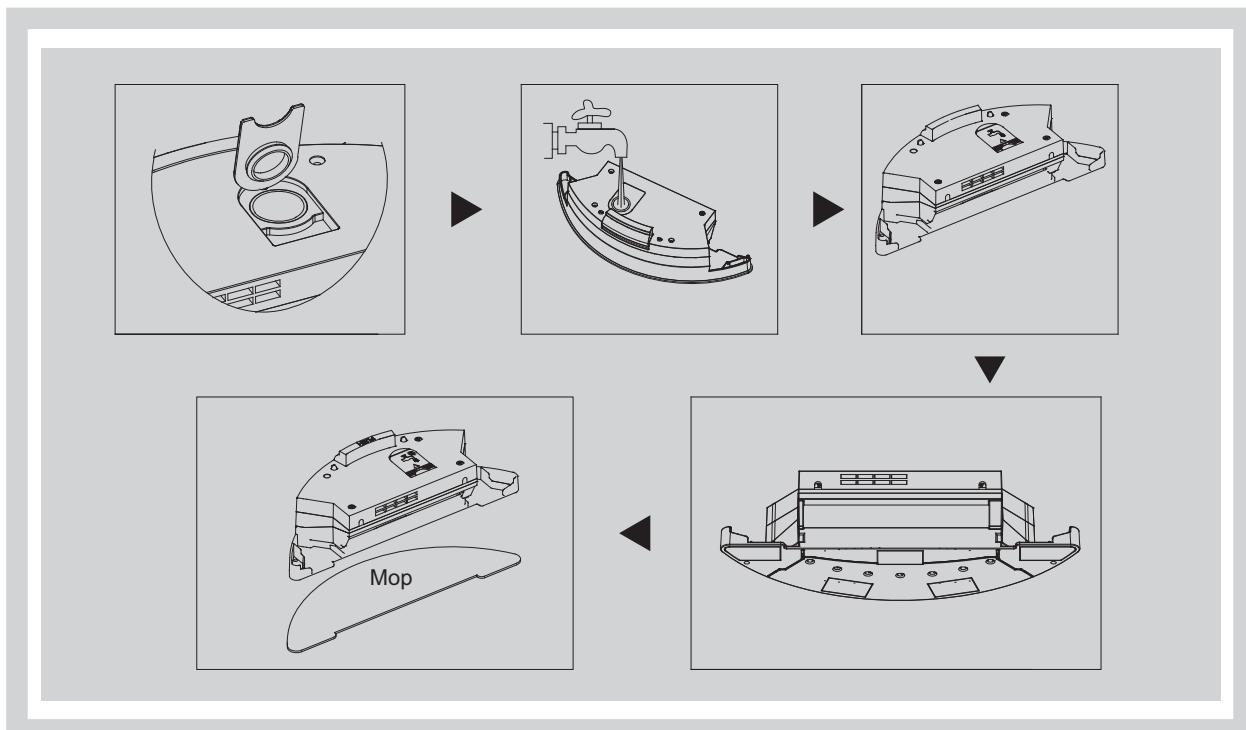
2 Fill in water and cover the cap. Water tank capacity is 260ml(appr.).

3 Check whether the tank bottom outlet wool column drops (not drops is normal).

4 After the check, MOP stick firmly on the water bottom, put the blue Flannel into the machine facing the ground.

### 3 Product operations

5 Put the tank into the machine, start the machine, and water enters into the mop through wool column, water stopped dripping out of the tank when the machine stops. Pour water out if the machine stops working for a long time.

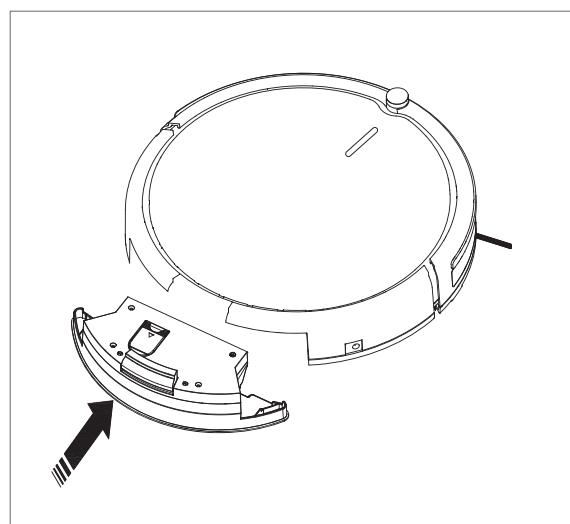


### 2 Installation of water tank

MOP chassis is mounted on the machine, and when installed, please aim at the tanks fixed jacks.

#### Attention

- 1 Please remove the water tank when injecting water, and do not inject with complete machine.
- 2 Please remove water drops when installation of water tank.
- 3 Mop shall not be too wet, and wring to prevent tire slippage.



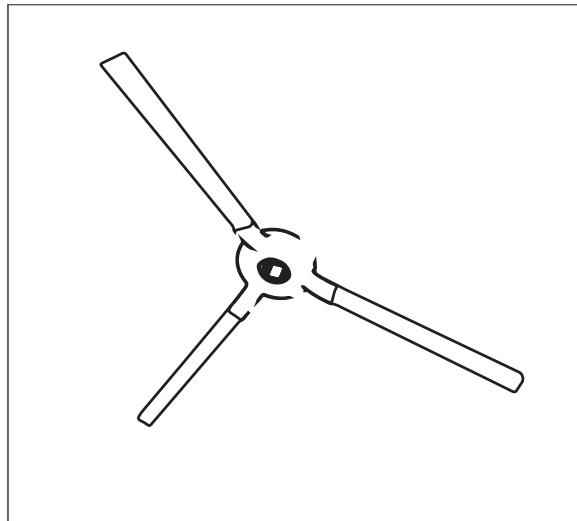
## 4 Product Maintenances

### 4.1 Cleaning of side brush

Side brush can be removed and clean by water. Please dry them completely before second use. If side brushes damaged, please replace them.

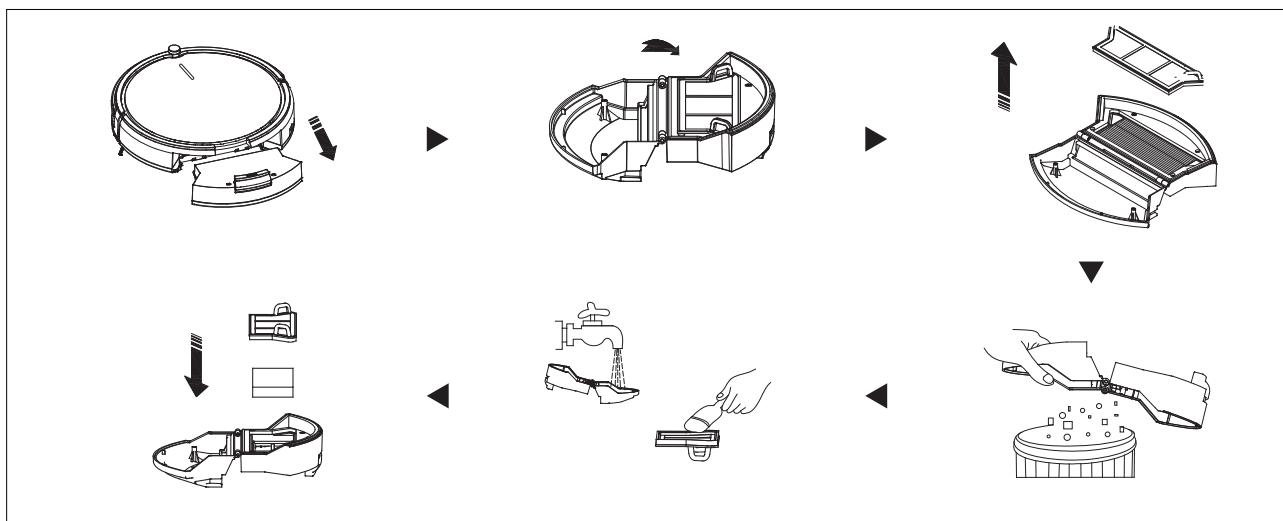
#### Attention:

When replace side brush, please pay attention to the L and R position and color.



### 4.2 Cleaning of dustbin and filter

- 1 Press PUSH button on dustbin, remove the dustbin.
- 2 Open dustbin bottom cover.
- 3 Hold primary filter and pull out, then pull out high efficiency filter.
- 4 Pour out trash into trash bin.
- 5 Clean dustbin, high efficiency filter and primary filter completely. High efficiency filter lifetime is 6 months.
- 6 Please install them correctly before second use.



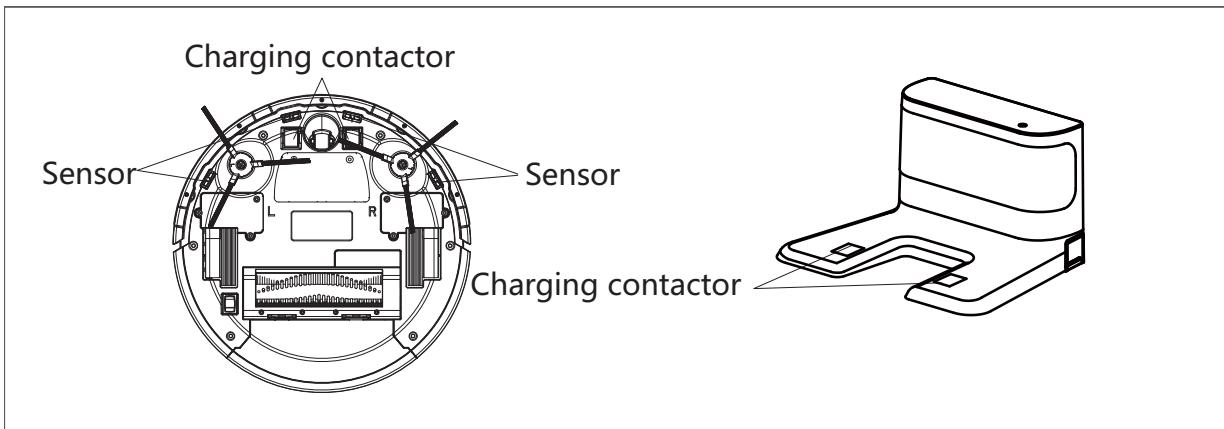
#### Attention

- 1 Please clean the dustbin after each use.
- 2 Parts washed by water, do not expose to sun. Please install them after drying completely.
- 3 Please do not use the robot when primary filter and high efficiency filter are damaged to avoid motor damage. Please replace new filters before use.

## 4 Product Maintenances

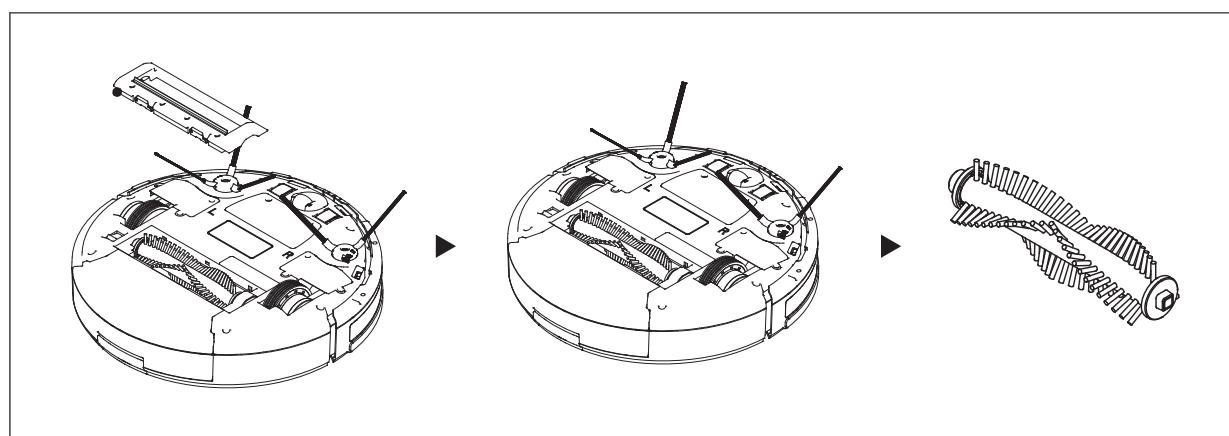
### 4.3 Cleaning of sensors and charging poles

- 1 Clean sensors and charging poles on robot bottom by using soft cloth.
- 2 Clean charging poles on charging station by using soft cloth.



### 4.4 Cleaning of main brush

- 1 Press the locker, open main brush cover.
- 2 Hold one end of main brush, take out. Install another end of main brush first when installation after cleaning.
- 3 Clean the hair and dirt by using a cleaning brush. Please make sure that do not lose the rubber.
- 4 Install the main brush and cover after cleaning.



#### Attention

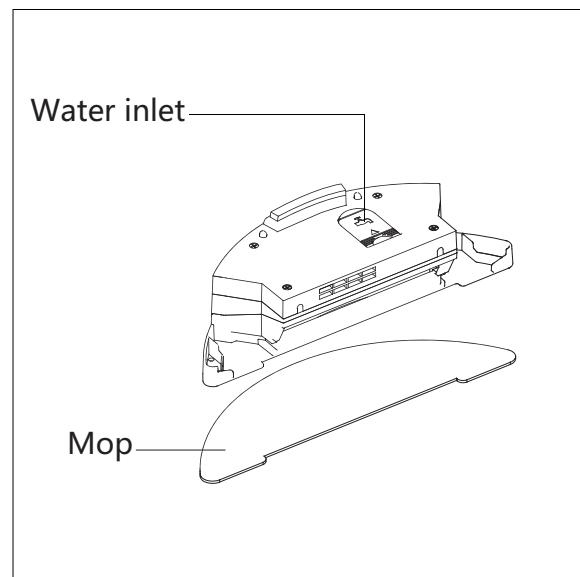
All maintenance must be done after dustbin removed.

## 4 Product Maintenances

### 4.5 Water tank maintenance

The mop needs to be cleaned on time, the mop is removed from the water tank and cleaned.

Note: If the water tank is not used for a long time, please pour out the water.

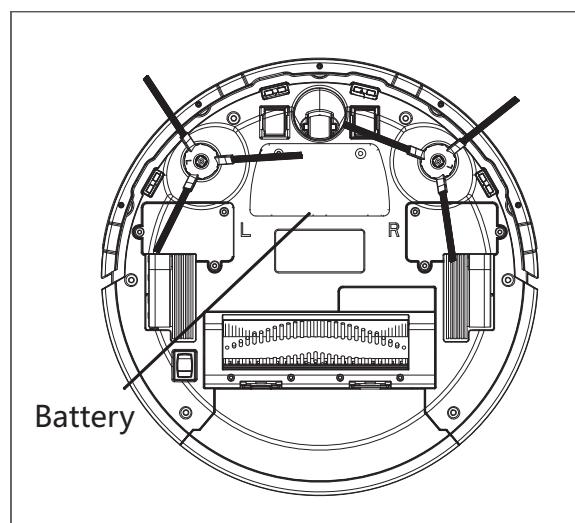


### 4.6 Battery replacement

- 1 Open the battery cover by using a screw driver.
- 2 Hold the insulation cloth and pull out the battery.
- 3 Detach the battery from the main machine.
- 4 Install new battery. Make sure the side with words up.
- 5 Connect the battery with main machine.
- 6 Lock the battery cover.
- 7 Turn on the robot to check.

#### Attention:

- 1 Do not use unapproved battery to avoid damage.
- 2 Please charge for 6 hour after new battery changed.
- 3 Keep the old battery for recycling.

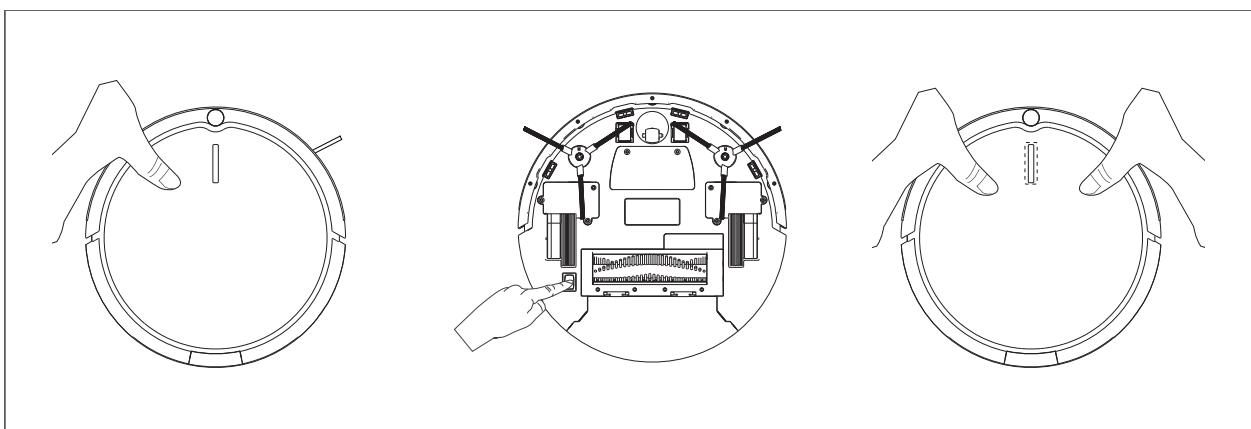


## 5 Resume to Default Setting

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If the machine has some software system problems during the using ,it can be triggered by the combination of products to restore the factory settings,the specific operation as below:

- 1 Hold down the host front collision left sensor when the produce is in shutdown state.
- 2 While hold down the host front collision left sensor ,open the power switch on the bottom ,the host machine lights starts blinking.
- 3 Until the indicator lights became light on,hold down the host front collision right sensor,at this point the left side of the sensor to keep the trigger state,Until the indicator light starts flashing again and release the left and right sensors.
- 4 The product will restart,at this point the restore the factory settings was completed.



## 6 Trouble shooting

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No.	Problems	Solution
1	The robot keeps moving backwards	<p>1 Avoid working in high light intensity environments.</p> <p>2 Avoid working on deep dark carpets.</p> <p>3 Clean the stair detection sensors by using a soft cloth.</p> <p>4 Check the bumper and clean.</p>
2	The robot do not work	<p>1 Turn on the power switch button.</p> <p>2 Check the battery capacity, and charge the robot. Check again after full charging.</p>
3	The robot do not recharge automatically	<p>1 Make sure the indication light on charging station is on.</p> <p>2 Check if there are obstacles between robot and charging station.</p> <p>3 When low battery, please charge the robot by using adapter.</p>
4	The robot cannot be recharged	<p>1 Please use approved adapter and make sure adapter plugged.</p> <p>2 When the robot is damaged, please do not use. Contact after sales.</p>
5	Remote control do not work	<p>1 Check the remote control battery; Check the signal sensor on the robot clean it.</p>

## 7 Product Parameters

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Size	320*320*85mm
Net Weight	2.6kg
Working voltage	14.8V
Input voltage	19V
Input current	1.0A
Dustbin capacity	400mL
One time charging time	4-6h
One time cleaning time	90-120min

## 8 FCC Statement

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This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### FCC Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device must operate with a minimum distance of 20 cm between the radiator and user body.