Maintenance

1. Daily Maintenance



PUDU CC1



Daily maintenance of cleaning robot

Maintaining the intelligent cleaning robot is beneficial to extend the life of the machine and make it perform better.

The following describes the daily maintenance methods of robot.

1. Clean the sensor and the bottom of the body

the sensor is equivalent to the robot's eyes. If it is obscured by dust, the cleaning process will be affected.

- Cleaning method: wipe with a soft and clean cloth
- Period: regular 3~5 weeks







Sensor Position Indication

2. Clean up dust box, water filter box, garbage box, air filter sponge

the accumulation of garbage and dust will cause bacteria and affect the cleaning effect.

• Cleaning method:

garbage box: Use a brush to clean up garbage water filter box: it can be washed with water dust box: clean the dust and pat it gently. Do not flush it. Keep it dry.

Air filter sponge: Pat it gently at ordinary times. Replace it directly if it is too dirty. It is not recommended to wash it with water.

 Period: clean up every 2 days or once or more on the same day according to the degree of dirt secondary cleanup



garbage box



water filter box



air filter sponge



dust box

3. Clean up the Sweeping brush and Scrubbing Brush

During the working process, the side brush and roller brush will be wrapped with hair and fine fabric, etc. If it is not cleaned for a long time, the cleaning effect will be affected, and even the service life of the motor will be affected.

- Cleaning method: use a brush to clean the sweeping brush and scrubbing brush and clean up the winding objects
 - * when the brushing height is lower than the red brushing height, the roller brush needs to be replaced.
- Period: clean up every 2 days or once on the same day according to the degree of dirt or multiple cleanup







sweeping roller brush

4. Clean or replace the dust mop and clean the water absorption rake

too dirty mop will affect the cleaning effect of mop. Dirty mop wivll affect the floor washing effect

• Cleaning method:

dust mop: unscrew the knob, remove the dust mop for cleaning or directly change dust mop

water-absorbing rake: wash with water and Rag

Period:

dust mop: change and clean once a week water-absorbing rake: clean it every 2 days or once on the same day according to the dirty degree or multiple cleanup



dust mop



water-absorbing rake

5. Clean up the sewage tank

dirt accumulated in the sewage tank for a long time will produce bad smell and easily lead the drain valve is blocked

• Cleaning method:

after opening the drain valve (drain switch) to drain the sewage water pipe flushing with brush to wash the sewage tank

• Period: clean it on the same day or the next day



sewage discharge



cleaning sewage tank

6. Clean the drain assembly of the roller brush plate (drain hole)

long-term accumulation of sludge and dirt on the rolling brush plate will affect the draining effect floor cleaning effect

• Cleaning method:

robot after draining clean water and sewage to make it fall backward, use a steel brush to clean the small hole of the rolling brush plate, and use a brush to roll brush the plate for cleaning, and wipe it dry with a towel after cleaning

• Period: clean once every 2-3 weeks







roller brush disk

7. Clean up the sewage suction pipe

the blockage of the suction pipe will cause the robot to have no suction and the washing mode cannot be correct. The suction pipe is usually blocked by the combination of wool and dust ash.

• Cleaning method:

rinse the dirt by adding water to the sewage outlet of the sewage tank. Clean the sewage pipe and wipe it dry with a towel after cleaning.

• Period: Cleaning once a week



Suction pipe



Flushing with water at the outlet

2. Consumable Replacement

- Side Brush: The side brush is a consumable part. If you notice that the bristles are worn out and unable to function properly, it should be considered for replacement.
- Dual Brushes: Check the bristles of the brushes. If the remaining height of the bristles reaches a specific indicator height (as shown in the diagram below), they should be replaced.



- Scrubbing Squeegee Rubber Strips: The rubber strips on the scrubbing squeegee (front and rear) are consumable parts. In high-usage scenarios, it is recommended to replace them every month. In medium-usage scenarios, it is recommended to replace them every two months. In low-usage scenarios, it is recommended to replace them every three months.
- Dust Mopping Rubber Strips: The rubber strips on the dust mopping pad (front and back) are consumable and vulnerable parts. In high-usage scenarios, it is recommended to replace them every month. In medium-usage scenarios, it is recommended to replace them every two months. In low-usage scenarios, it is recommended to replace them every three months.
- Dust Mopping Cloth: The dust mopping cloth is a consumable and vulnerable part. It should be cleaned during daily use, depending on the actual dust conditions of the floor.
- Dust Box: The dust box is a consumable. If you find that the dust box has been used for a long time and it affects the suction effect even after cleaning, it should be replaced. The specific replacement time depends on the actual dust conditions of the floor.
- Water Filter Box: The dust box filter is a consumable. If you find that the dust box has been used for a long time and it affects the suction effect even after cleaning, it should be replaced. The specific replacement time depends on the actual dust conditions of the floor.

(The replacement time for the above consumables can be determined by referring to the "Consumables" status page on the robot status page.)

3. Troubleshooting

Faults	Solutions
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Unable to power on	 Make sure the key switch is in the ON position. Check if the robot has low battery power. Connect the robot to the power adapter for charging. If the power adapter cannot charge the robot, it may be due to the battery being completely drained (left unused for more than 30 days). In this case, remove the battery and use a direct charging cable to charge it. 	
Unable to sweep up garbage	 Check if the dust box is full. If it is, remove the dust box, clean it, and then continue with the operation. Check if the bristles of the brush are worn out. If they are, replace the brush component. 	
Unable to suck up a large amount of dirty water from the floor	 Confirm if the dirty water cover is properly installed. Remove the mopping pad and check if the suction pipe has suction power and if the dirty water pipe is blocked. If it is blocked, clear the blockage before using. Check if the rubber strips on the mopping pad are worn out. If they are, replace the rubber strips. 	
Unable to drain dirty water	Confirm if the dirty water pipe is blocked. If it is, clear the blockage, clean the dirty water tank, and then proceed with draining.	

Components	Robot Status	Inspection Interval	Maintenance Method
driving wheels and auxiliary wheels	Power-off	Weekly	Wipe the surface with a clean cloth.
Vision sensors and Lidar	Power-off	Weekly	Use a clean cloth or lens cleanser for the cleaning.
recovery tank	power off/on	2-3 days	Flushing recovery tank with clean water and then drain the dirty water.
Dustbin	power off/on	2-3 days	Dump the dirt inside the dustbin, if necessary, wash it with clean water and then dry it.
Water filter chamber	power off/on	2-3 days	Rinse the dirt inside the water filter chamber with clean water.