



# LiDAR Navigation Robot Vacuum



**4200Pa Hyper Suction**  
For a deeper, powerful clean

**LiDAR & Gyro Dual Navi System**

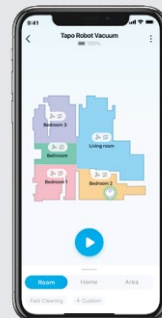
Higher precision mapping and navigation

**3-Hour Continuous Clean**

3200 mAh energy-dense battery†

**Customizable Room Cleaning**

Merge and separate areas and customize clean modes for each room



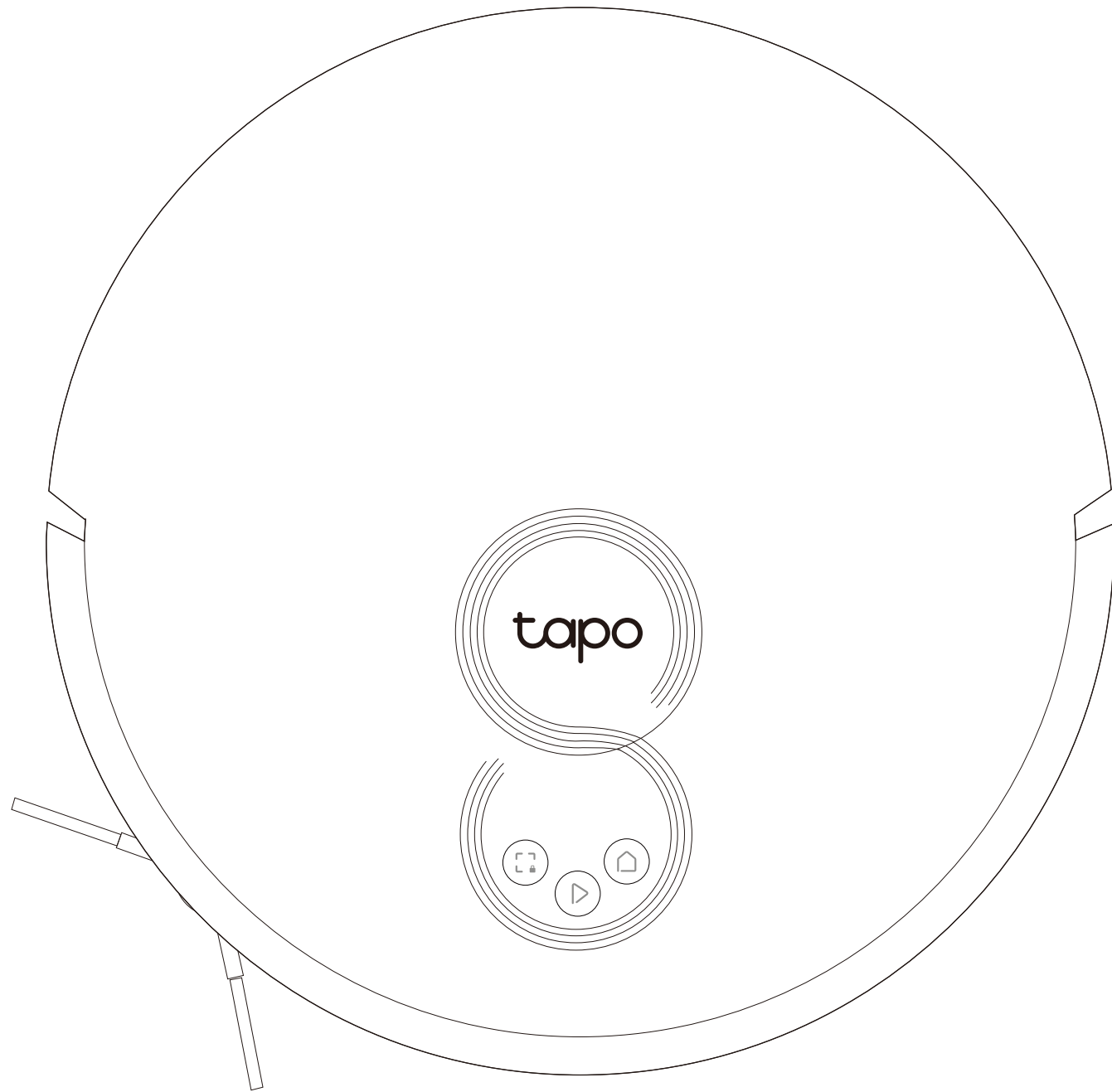
App Control



**Tapo RV30C**

# // Overview

## Robot Vacuum



### ▶ Power/Clean

- Press once: Start/pause cleaning.
- Press and hold for 5 seconds: Turn on/off the robot vacuum.

\*For the first use, slide the power switch from OFF to ON to turn on.

### 🏠 Dock

- Return to the dock to charge.

### 📐 Spot Cleaning/Child Lock

- Press once: Start spot cleaning.
- Press and hold for 5 seconds: Turn on/off the child lock.

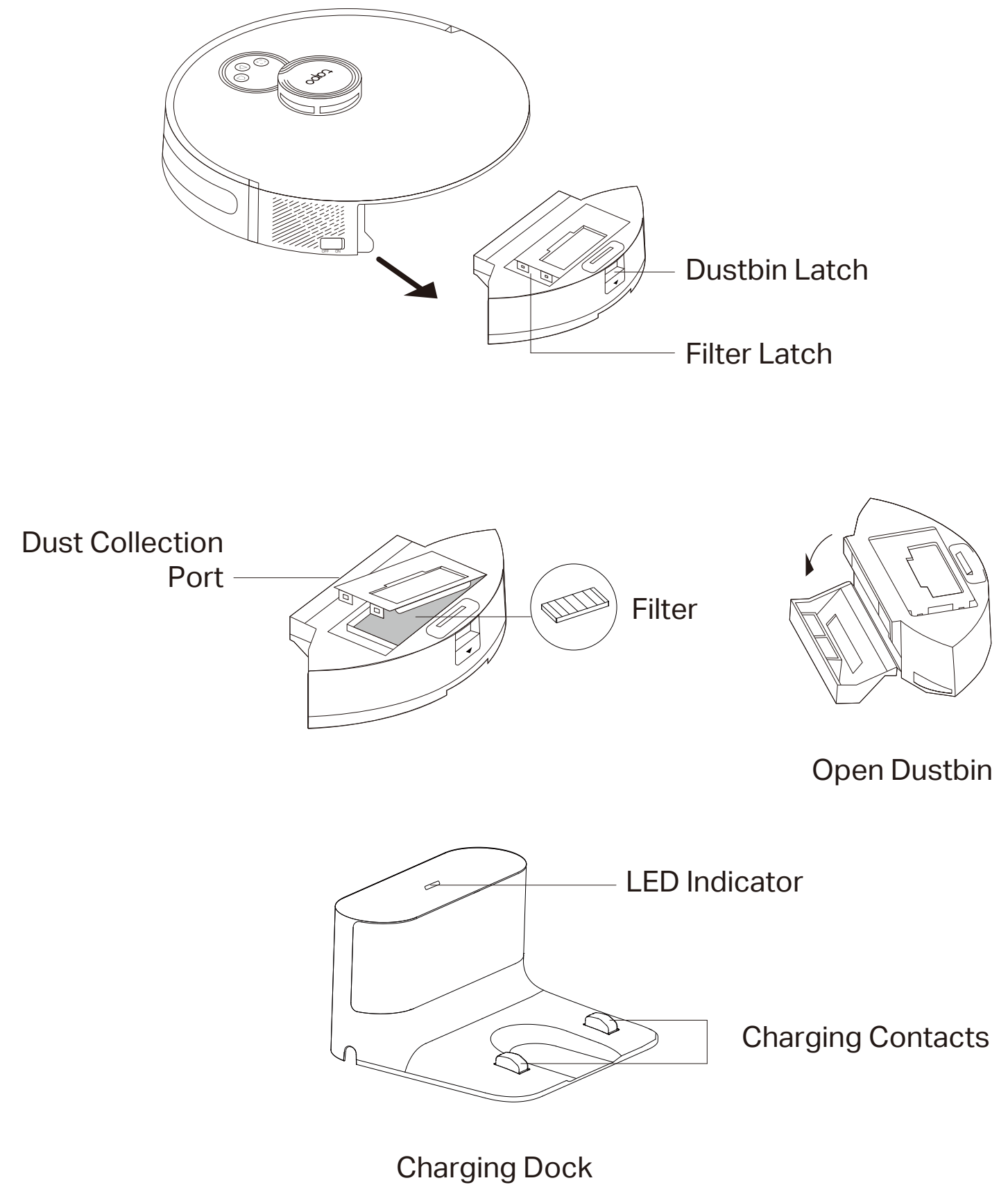
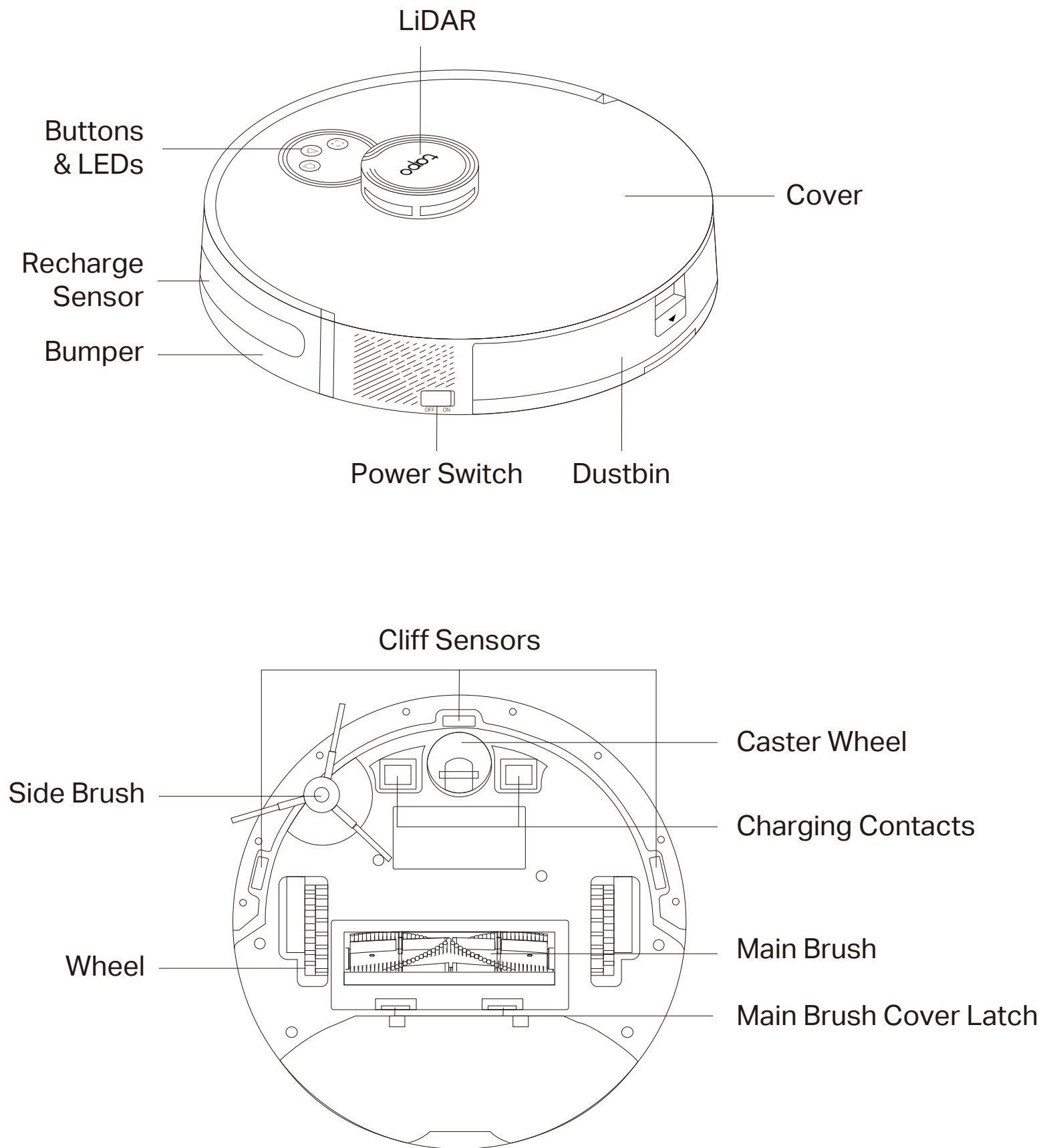
### 🏠 + 📐 Combination Button

- Press and hold simultaneously for 5 seconds: Enter setup mode to configure network.
- Press and hold simultaneously for 10 seconds: Restore to factory default settings.

### 🏠 LED

- **Red:** Battery level < 20%; Error
- **Orange:** Battery level between 20% and 80%
- **Green:** Battery level > 80%

# Overview



# // Highlights



## 4200Pa Hyper Suction

With industry-leading suction power up to 4200Pa, the Tapo Robot Vacuum is designed for a deeper clean that sweeps away debris sandwiched between gaps and dust hidden in carpets, leaving nothing but a spotless floor.

## 800ml Dust Bin Carries More

Larger dust bin holds more waste and keeps your hands free for up to 14 days.†

## 3-Hour Continuous Cleaning

3200 mAh battery provides long-lasting runtime and continuous cleaning.‡

## Auto-Boost for Your Carpets

Automatically increases the suction power when encountering carpets.



## High-Precision Dual Navi System

A LiDAR and Gyro dual navigation system serves as the brain and accurately maps out your home in minutes, avoids omissions and repeated cleaning, and even works well in the dark.

## 3+1 Local-Stored Maps

Recognizes different floors faster and accurately with 3+1 local-stored maps.

## Obstacle Detection and Avoidance

Laser-based sensors handle complex environments flexibly.

## Anti-Drop Protection

Multiple cliff sensors avoid falls down stairs and ledges.



## Personalized Schedules and Room Settings

Customized cleaning fits your routine. Manage your own cleaning schedule and monitor your robot's status at home or away on the feature-rich Tapo app.

## Customizable Room Cleaning

Merge and separate areas, name individual rooms, and customize clean modes for each room.

## Virtual Walls and No-Go Zones

Set up areas you don't want the robot to go via the Tapo app.

## Personalized Schedules

Automatically start cleaning when you finish meals, sync the robot's routine to your daily habits.

# // Specifications

## Care and Maintenance

To maintain optimal performance, maintain the robot vacuum according to the following guidelines.

Part	Maintenance Frequency	Replacement Frequency*
Dustbin	Clean/wash as needed	/
Filter	Once a week	3-6 months
Main Brush	Every 2 weeks	6-12 months
Side Brush	Once a month	3-6 months
Caster Wheel	Clean as needed	/
Main Wheels	Once a month	/
Sensors	Once a month	/
Charging Contacts	Once a month	/

\*Replacement frequency may vary depending on the actual situation. Parts should be replaced if visible wear appears.

# // Specifications

## Mapping & Navigation Features

- Mapping/Path Planning: LiDAR + Gyroscope
- High-Precision Map: Yes
- Obstacle Avoidance: LiDAR
- Barrier-Cross Height: 20 mm/0.79 in
- Anti-Drop Protection: Yes

## Vacuuming Features

- Max Suction Power: 4200Pa
- Suction Level Adjustment: 4 levels
- Dustbin Capacity: 800ml
- Dustbin Detection: Yes
- HEPA Filter: H11
- Carpet Boost: Yes, Electricity Recognition

## Battery

- Battery Capacity : 3200 mAh
- Vacuum Max Battery Life: 180 min per charge (Quiet Mode)
- Recharge & Resume: Yes

## App Features

- Real-Time Tracking: Yes
- Multi-Floor Mapping: Yes
- Scheduled Cleaning: Yes
- Virtual Walls: Yes
- No-Go Zones: Yes
- Zone Cleaning: Yes

# // Specifications

## Physical

- Product Dimensions:

Robot Vacuum: 342.2 × 341.8 × 95 mm (13.5 × 13.5 × 3.7 in)

- Package Contents:

Robot Vacuum Cleaner ×1

Charging Base ×1

Power Adapter ×1

Side Brush ×2

HEPA Filter ×2

Cleaning Brush ×1

User Manual

## Others

- Wireless Connection:

IEEE 802.11 b/g/n, 2.4 GHz band only;

Bluetooth 4.2 (only for setup)

- Rated Input Voltage: 100-240 VAC, 50/60 Hz

- Max Charging Power Consumption: 24 W (DC24 V 1 A)

- Max Working Power Consumption:

Robot Vacuum: 45 W

- Works with Google Home: Yes

- Works with Amazon Alexa: Yes

<sup>†</sup>Based on internal testing. Actual emptying intervals are subject to change due to usage and environmental factors.

<sup>‡</sup>Based on internal testing carried out by the manufacturer, using quiet vacuuming mode with a full battery. Actual results may vary according to the working status and home environment.

<sup>§</sup>Based on internal testing carried out by the manufacturer, using quiet vacuuming mode. Actual results may vary according to the working status.

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