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

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%
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.
## Care and Maintenance

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

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

*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

*Based on internal testing. Actual emptying intervals are subject to change due to usage and environmental factors.
‡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.
§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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