360

360 Robot Vacuum Cleaner S10

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Part 1

Highlighted Features

Trinocular Built-in LIDARs Provide Navigation for Three-dimensional Obstacle Avoidance

360 Robot Vacuum Cleaner S10

Ultra-slim design with built-in LiDARs
stereoscopic 3D perception and efficient obstacle avoidance

Trinocular built-in LiDARs provide navigation for three-dimensional obstacle avoidance

3300Pa superior suction | 520ml electronic water tank | 500ml dust | 5000 mAh high-capacity battery

2021 Flagship Robot Vacuum Cleaner

Sets a New Benchmark for LiDAR Robot Vacuum Cleaners

Ultra-slim Design

With built-in LiDARs, S10 is only 8.5cm height and can sweep and mop under beds and cupboards without touching furniture.

Maximum Configurations

3300Pa superior suction, with minimal noise520ml electronic water tank | 500ml dust bin Efficient sweeping and mopping for a quiet and clean environment

Efficient Obstacle Avoidance

LiDAR navigation for three-dimensional obstacle avoidance It can see clearly to efficiently avoid obstacles and collisions

Fully Automatic Operation

Identify carpets and multi-floor areas automatically and accurately Clean dust-prone areas with just one click

360 Robot Vacuum Cleaner S10 adopts innovative built-in LiDAR with height of just 8.5 cm

With aerospace-grade dToF technology, long-range detection accuracy is increased by **200%.**

The closed optical design can protect the LiDAR and prolong its service life by **300%.**

With a hidden micro LiDAR sensor the dimension is decreased by **350%.**

200% is the error accuracy comparison result with the radar of 360 Robot Cleaner X95 measured the actual 4 m distance at 360 Robot Vacuum Cleaner Lab

300% is the comparison result with the standard test data of the radar aging test of the 360 Robot Cleaner X95 measured at 360 Robot Vacuum Cleaner Lab

350% is the dimension comparison result with actual dimension data of the radar of 360 Robot Cleaner X95 measured at 360 Robot Vacuum Cleaner Lab

REIMAGINE THE LiDAR ROBOT

With hidden LiDARs, it cleans narrow spaces smoothly and thoroughly, does not get stuck and avoids collisions, while cleaning the areas under beds, cabinets and sofas more efficiently.

Body thickness* reduced by **15**% | Passability increased by **60**%

8.5CM

*15% thinner than 360 Robot Vacuum Cleaner S9

*According to the statistics of 360 Robot Vacuum Cleaner Lab, maximum distance between the floor and the bottom of most furniture is 9cm.

Externally-mounted LiDAR

Fail to enter
It cannot sweep under cabinets and sofas thus leaving some garbage and dust.

Paint may be scratched easily
The externally-mounted LiDAR outside of the body is prone to collisions when cleaning under the furniture

Prone to breakage
Because of long-term exposure to the environment, operation will be affected if dust and hair gets in.

Short service life
Rotation is provided by a traditional belt.

Built-in LiDAR

Clean thoroughly
It can sweep under cabinets and sofas to clean all the hard-to-reach areas.

Protect furniture
The body has no bulge and avoids collisions when cleaning under the furniture.

Damage-proof
Hidden design + independent shield blocks foreign materials.

Longer service life
It adopts an expensive wireless coaxial motor.

Stereoscopic 3D perception of home environment through LiDAR navigation

Equipped with one LDS Laser and two OLS Laser, S10 can get an effective three-dimensional perception of the home environment. Coupled with the aerospace-grade dToF scanning technology and SLAM algorithm, it enables more accurate room mapping, more comprehensive route planning, and actively avoids obstacles and areas where it could get trapped in advance, while becoming more intelligent.

SLAM algorithm

restores the entire map of home environment with millimeter-level accuracy, enables accurate room mapping, full coverage, and efficient obstacle avoidance

With 15 years of experience in R&D of software and hardware, the strong computing power and upgraded algorithms empowers S10 with stronger room mapping, route planning, sweeping, obstacle avoidance, and anti-trapping capabilities, which contribute to the achievement of more user-friendly cleaning and upgrading.

Passability increased by **60%**

Obstacle avoidance capability improved by **300%**

Room mapping accuracy increased by **100%**

Precise Detection with Millimeter-level Accuracy

Detection accuracy increased by 10 times Accurate detection of surrounding objects

Advanced Autopilot Obstacle Avoidance Capabilities

Automatically identify more than 100 types of objects Stereoscopic 3D perception for flexible obstacle avoidance

AI-POWERED 3D VISION

Stereoscopic 3D perception of slippers, power strips, body fat scales and other objects
It sees clearly to efficiently avoid obstacles and collisions

The three LiDARs, quickly and accurately identify 100 types of objects, such as power strips, slippers, pet feces, and body fat scales, then send the information back to the processor for real-time calculation. This actively identifies and bypasses obstacles, avoids entanglements, and prevents sweeping errors and touching by mistake, etc.

Aerospace-grade dToF scanning technology
delivers more accurate room mapping and full sweeping coverage

With the same dToF scanning technology adopted by Apple and the NASA Mars Rover, S10 runs at nanosecond speed, creates accurate room mapping, and restores the global picture of the house to ensure complete cleaning and full sweeping coverage.
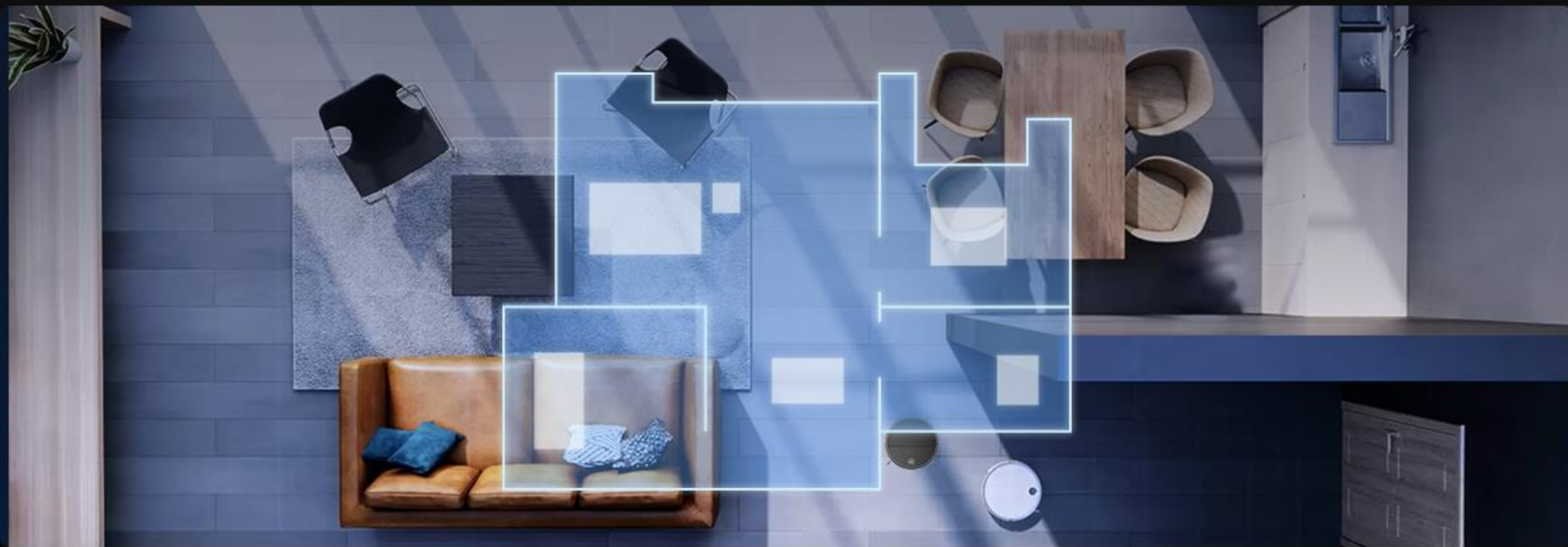
2080point/s

Sampling rate

200%

Scanning range increased by*

at nanosecond speed

Room mapping

Part 2

Maximum Configuration

3300 Pa Superior Suction | 520 ml Electronic Water Tank | 500 ml Dust Bin
5000 mAh High-capacity Battery | Disposable Dust Bag

360 Robot OS 10.0 for refined regional deep cleaning

Carpet Cleaning Mode 4.0　identifies carpets automatically and accurately.
Deep cleans with just one click, and bypasses carpets when mopping

Identify carpets automatically and accurately

The bottom of the robot vacuum cleaner is equipped with an ultrasonic sensor for identifying carpet areas automatically and accurately.

No-Mop Zone

Automatically configure an No-Mop Zone when encountering carpets Bypasses carpets when mopping and avoid staining

Automatic carpet pressurization

Automatically increase vacuuming power to remove dust Automatically clean the areas that get dirty easily twice in a zigzag pattern

Clean carpet areas only

Set it to clean carpet areas with just one click on the mobile app

Intelligent Virtual Wall 3.0

Newly-added circle and polygon off-limit areas

Automatic reminder for creating off-limit cliff and carpet areas
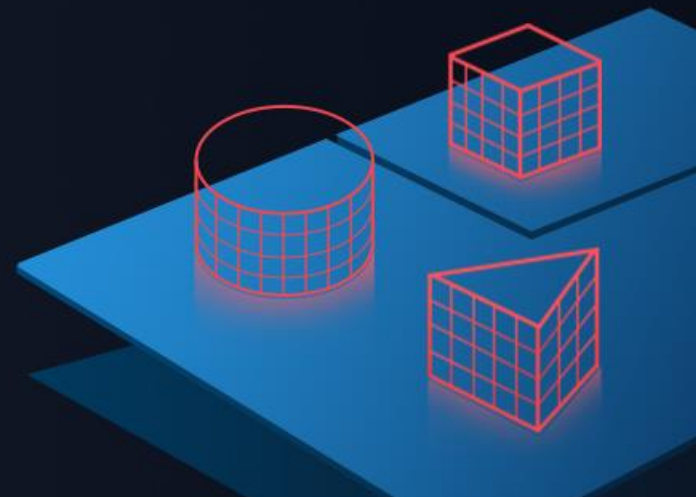
Multi-floor map management upgrade

Support fast switching between maps and Wi-Fi

3300Pa superior suction eradicates fine dust in gaps, and ensures deep cleaning of carpets

The innovative Nidec brushless motor can provide maximum surging suction power of 3300Pa which totally eliminates hair and dust, while ensuring deep cleaning of floor areas.

Four suction modes are available

600Pa
Quiet mode

1000Pa
Standard mode

1500Pa
Powerful mode

3300Pa
MAX mode

5000 mAh high-capacity battery
Battery lasts for up to 3 hours for continuously sweeping multiple floors.

3h

Maximum Configurations, Setting a New Hygienic Benchmark

500ml dust bin with hygienic one-touch emptying function

Thanks to the 500 ml large capacity of cubic dust bin, it can be emptied every two weeks

The dust bin and filter can be simply washed with water for easy cleaning.
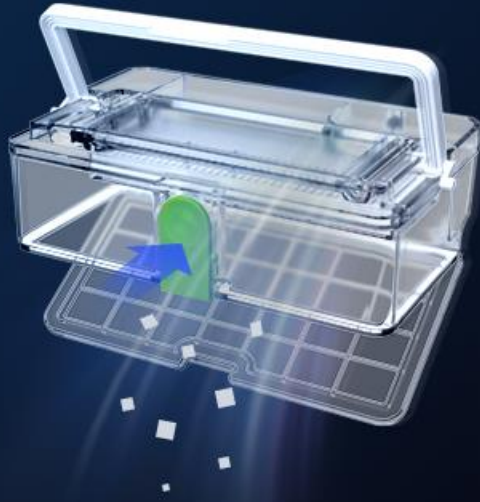
Handle-type cubic dust bin
can be removed without spillage and easily cleaned

With filter and mesh on the top,
it is dust-proof and has longer service life.

Disposable dust bag

Disposable, convenient and hygienic, avoiding direct contact with dust and other pollutants

Maximum Configurations, Setting a New Hygienic Benchmark

The ultra-large 520ml electronic water tank enables you to mop a 300㎡ house with one pass. You would enjoy walking barefoot on the spotless floor.

3 water levels
are optional

Intelligent water discharge
Intelligent control of water discharge
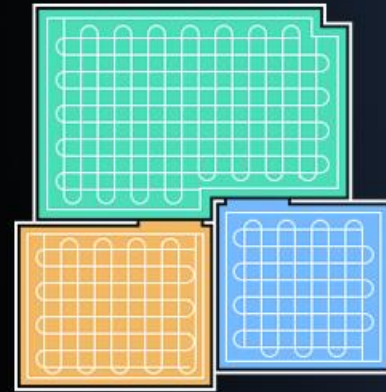according to the ground material*

Larger mop Mop
size is 15% larger

Intelligent detection for
whether the water tank
is correctly installed

Dedusting and sterilization
Various disinfectants can be added

Conveniently take apart
by merely pulling back More
convenient and user-friendly

Active water tank
pressurization
hugs the ground to
clean better

Accurate mopping mode
Mop the whole house twice
to ensure maximum clean-
ing effect

*After choosing the ground material via the app, users do not need to manually set water discharge amount. S10 will automatically select the appropriate water discharge amount for mopping.

Maximum Configurations, Setting a New Hygienic Benchmark

Upgraded 10x Noise Reduction ensures good rest and TV time

The dual noise rectifier air duct adopts patented de-noise technology, without impairing vacuuming power.

Using an ultra-long rectifier duct, the length is increased by 30% with lower noise.

1. Dual noise reduction duct that adopts patented design

2. Wind pressure eddy current guidance technology

3. Suspended fan can effectively prevent robot body resonance

4. Brand-new brushless motor

5. Optimized gear design to reduce mechanical loss

6. Optimized dynamic energy balance of wind turbine

7. Ultra-long 15.2cm rectifier air duct

8. Wrapped duct silencing cotton

9. Noise reduction by air outlet silencing cotton

10. Optimized main brush
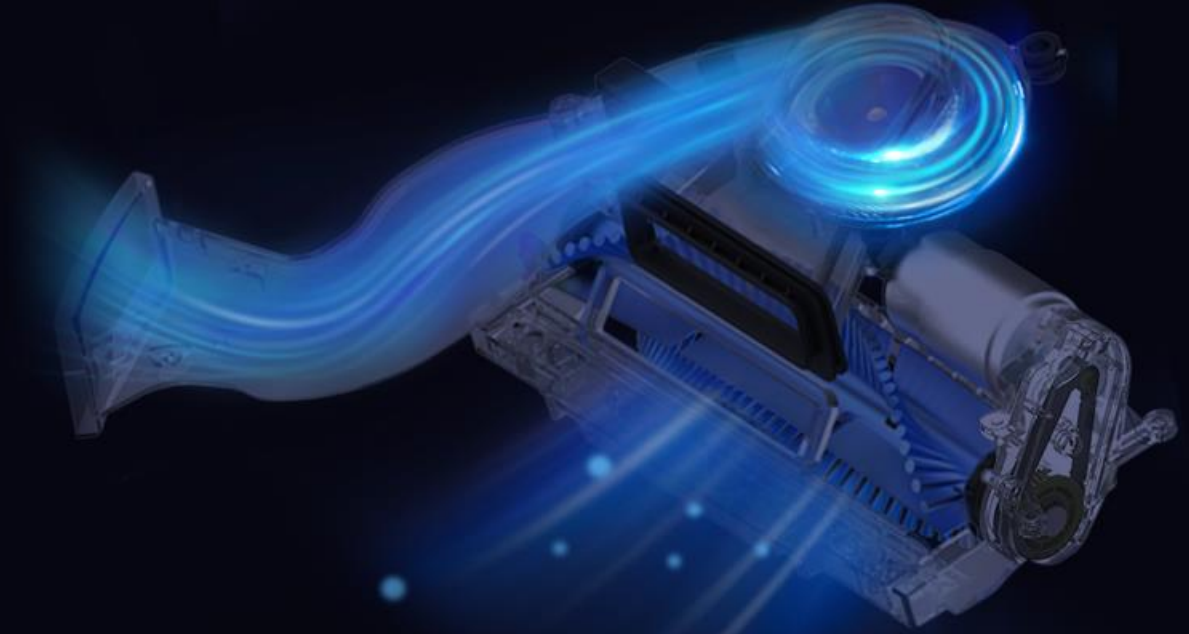
Dust-prone areas like under the sofa and dining table, carpets, and foyer can be cleaned with just one click, saving time and increasing efficiency

Automatic reminder will be given to set the dust-prone areas (such as under the sofa and dining table, carpets, and foyer) as precise cleaning areas, so that these areas can be cleaned with just one click on the app.
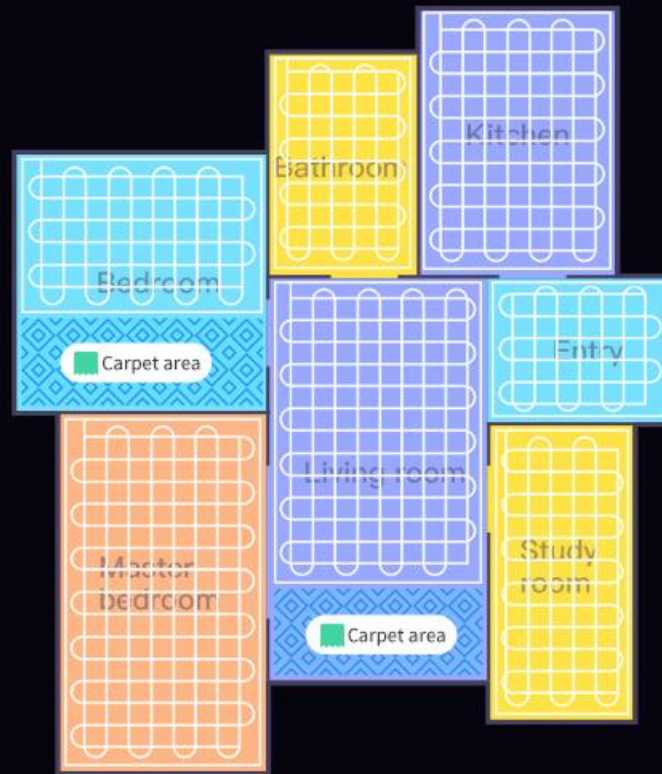
Bluetooth pairing with just one click of button Easy-to-operate
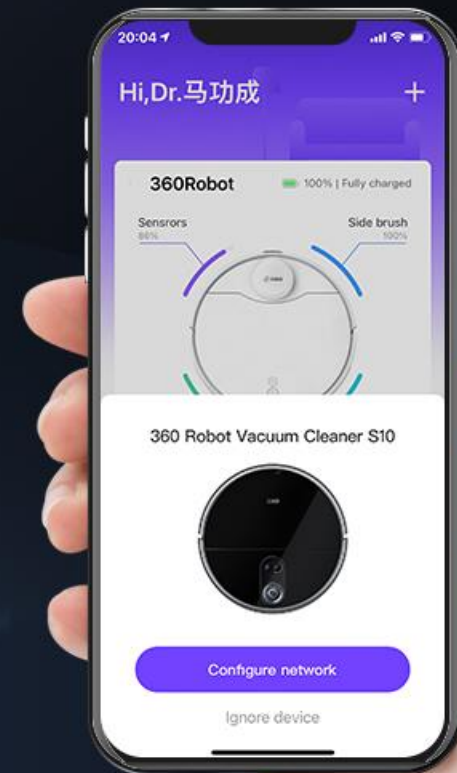
Intelligent control via the mobile app

Real-time display of the use status of consumables
Do-not-disturb mode
Remote control mode
Real-time checking of cleaning paths
OTA upgrade

Use voice control for house cleaning

Compatible with Alexa, Google Assistant, Clova

Scheduled cleaning in advance

Area-based scheduled cleaning
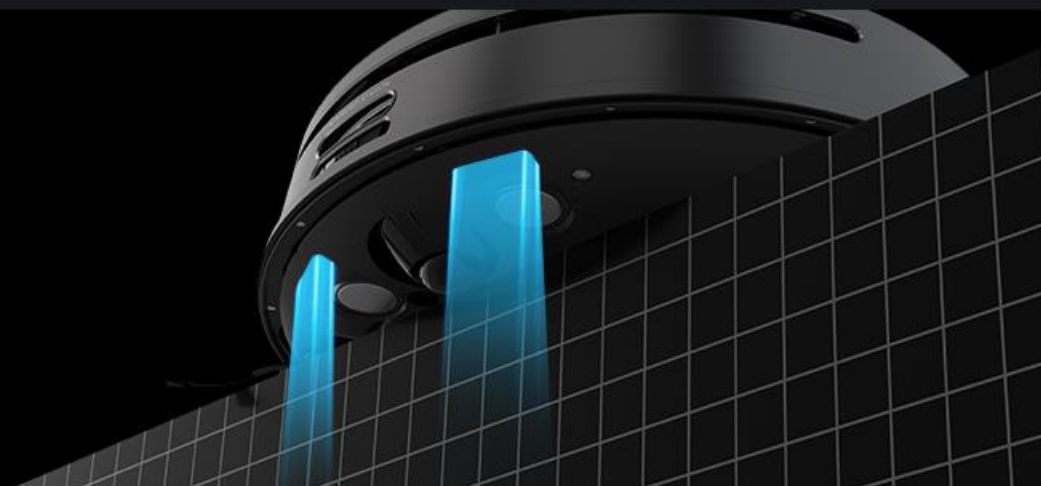Scheduled cleaning of specified areas
Scheduled cleaning and mopping mode
Scheduled cleaning program

User-friendly Design and Superior Experience

Cliff identification

6 sets of cliff sensors that enhance cliff identification capability;
automatically prompt to set the anti-drop virtual wall;
combine hardware and software to provide dual protection

Obstacle- surmounting height of 2 cm*

Easily climb over thresholds, sliding rails and other objects

2CM

Disassemble the mopping pad holder with one hand

Easy disassembly with just one hand
More convenient installation and cleaning

*The obstacle avoidance data is measured by the 360 Robot Vacuum Cleaner Lab.
The obstacle- surmounting height varies slightly with change of obstacle material and shape.

Part 3
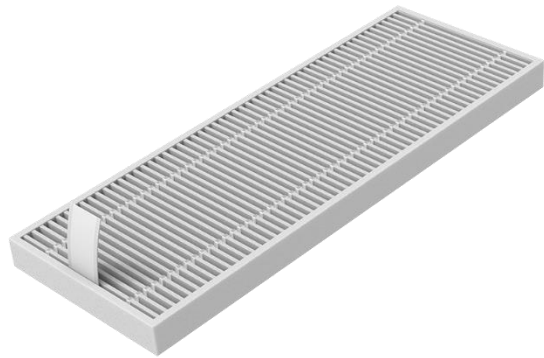**Specifications**

Specifications

- Type: LiDAR SLAM
- L*W*H: 350*350*85 mm / 13.8*13.8*3.3 inches
- Net Weight: 3.85 kg
- Water Tank: 520 mL
- Dust Bin: 500 mL
- Suction: 3300 Pa

- Battery: 5000 mAh
- Rated Voltage: 14.52 V
- Rated Power: 30 W
- Working Time: 171 min
- Main Brush: Floating Frames + Brush Roll
- Mopping / Water Tank: 3-level Electric Water Tank
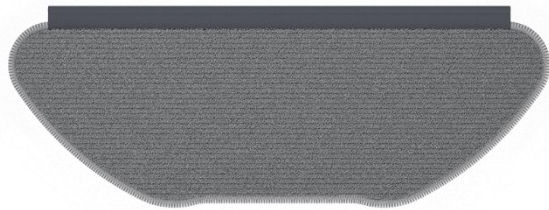
Product Photos

Accessories

Filter

Side Brush

Mopping Cloth

Main Brush

THANK YOU