



User Manual

TECBOT M1

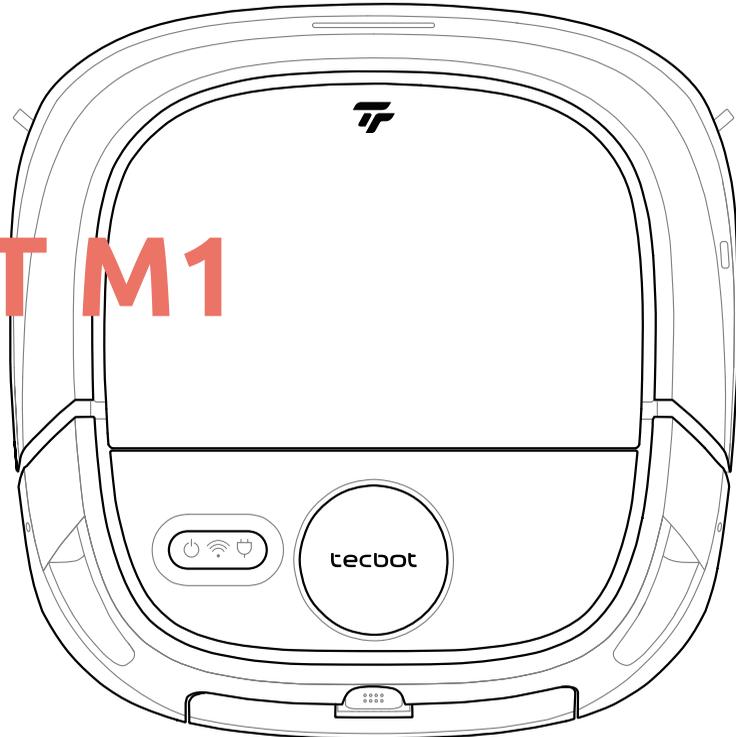


"The First Self-Rinsing, Roller Mop,
and Vacuum Robot."



TECBOT M1

User Manual



“The First Self-Rinsing, Roller Mop,
and Vacuum Robot.”

Welcome

Thank you for purchasing our TECBOT M1, “The First Self-Rinsing, Roller Mop, and Vacuum Robot.”

TECBOT M1 “Does It All” brings you multiple innovative advantages. It can sweep, vacuum, mop, and self-rinse automatically without returning to the charging dock.

We are TECBOT, “Expert Manufacturers of Cleaning Robots.” We make cleaning easier and create more free time for you.

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Package list

01



01 TECBOT M1

02 2 extra edge-cleaning brushes

03 Brush and hook knife cleaning tool

04 Remote control

05 2 AAA remote control batteries

06 Cylindrical cleaning brush

07 Power cord

08 Charging dock

09 1 extra HEPA filter

10 User Manual

11 Quick Start Guide

12 Warranty Card

02

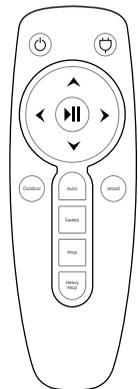
White (Right)



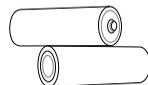
Grey (Left)



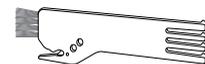
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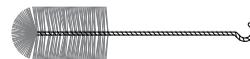
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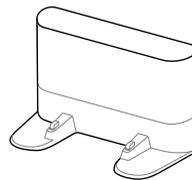
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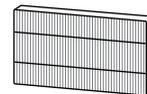
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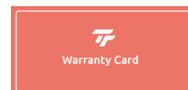
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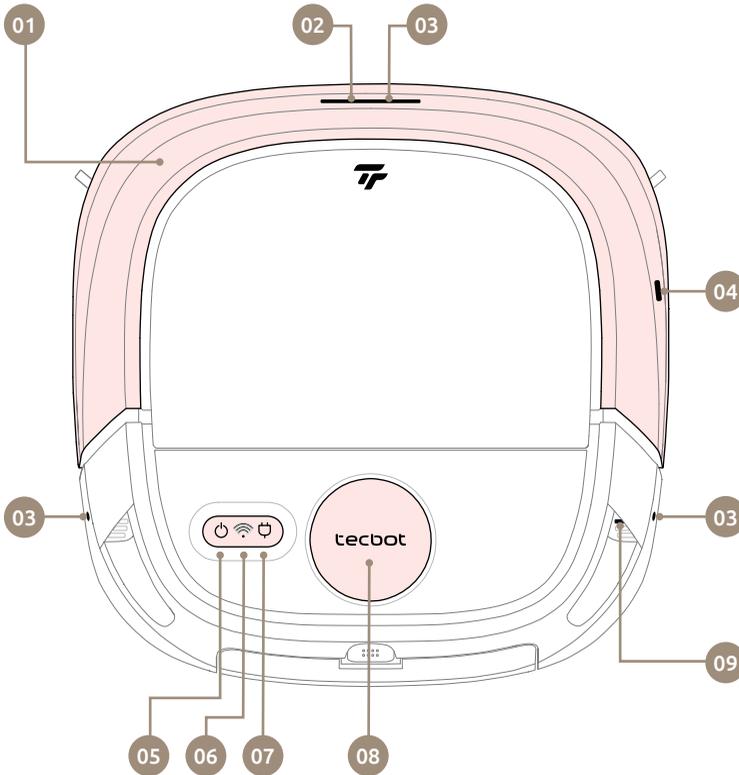
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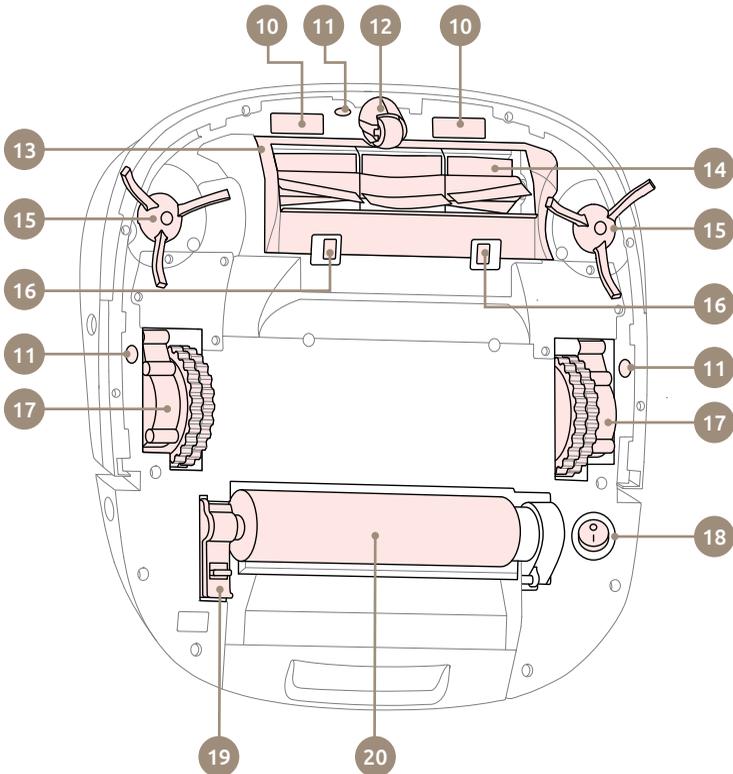
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TECBOT M1 anatomy

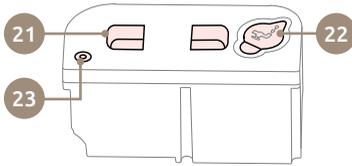


- 01 Collision bumper
- 02 ToF emitter sensor
- 03 ToF receiver sensor
- 04 ToF wall sensor
- 05 START/PAUSE button
- 06 Wi-Fi indicator
- 07 Charging button
- 08 LIDAR – Laser navigation system
- 09 Type-C USB Port

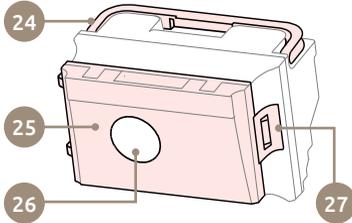


- 10 Contact points for the charging dock
- 11 ToF cliff sensor
- 12 Driving wheel
- 13 V-shaped brush main cover
- 14 V-shaped brush
- 15 Edge-cleaning brush
White (Right)
Grey (Left)
- 16 Release clip for the
V-shaped brush main cover
- 17 Wheel
- 18 ON/OFF switch
- 19 Release clip for the roller mop
- 20 Roller mop

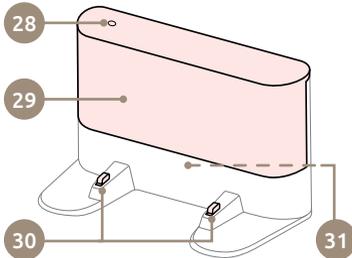
Clean water tank



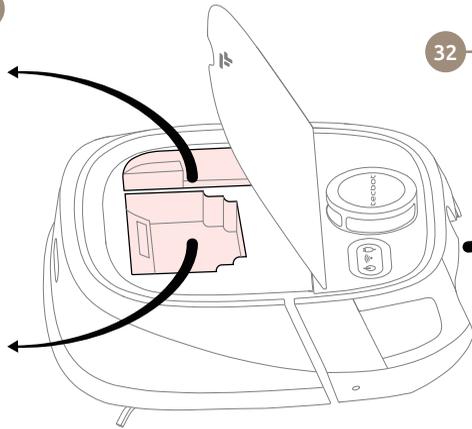
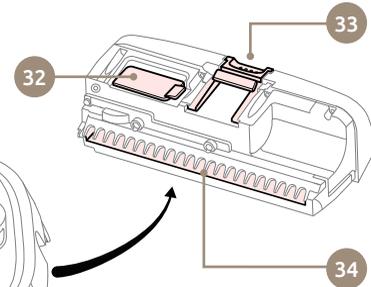
Dust box



Charging dock



Wastewater tank



Clean water tank

- 21 Pull handle
- 22 Water inlet
- 23 Air vent

Dust box

- 24 Handle
- 25 Cover
- 26 Filters
- 27 Cover release clip

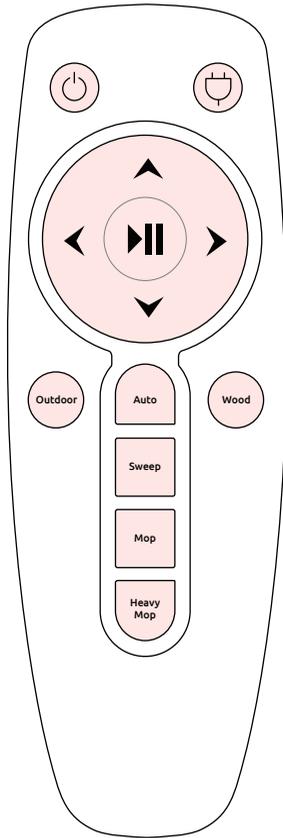
Charging dock

- 28 Power indicator light
- 29 Signal emitter
- 30 Charging contact points
- 31 Power port (rear side)

Wastewater tank

- 32 Drain hole
- 33 Release clip
- 34 Wastewater inlet

Remote control



 **START/PAUSE**
Single press to pause.
Press and hold for 3 seconds
to raise the roller mop.

 **Charging**
Press to return your TECBOT M1
to the charging dock.

 **Start/Pause**

 **Forward**
Press and hold to move forward.
Your TECBOT M1 will stop
when the button releases or
encounters an obstacle.

 **Backward**
Press and hold to move
backward. Release to stop.

 **Left and Right**
Press and hold to turn.
Release to stop.

Outdoor floor settings
Switch to sweeping and mopping
settings for outdoor floors.

Automatic mode
Switch sweeping and mopping
settings to default.

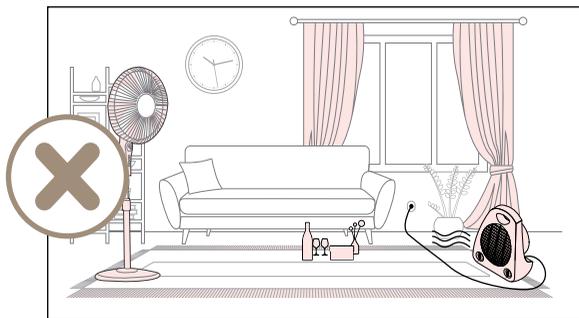
Wood floor settings
Switch to sweeping and mopping
settings for wood floors.

Sweep mode
Press to start the sweep and
vacuum functions (the mopping
function is deactivated).

Mop mode
Press to start the
mopping function.

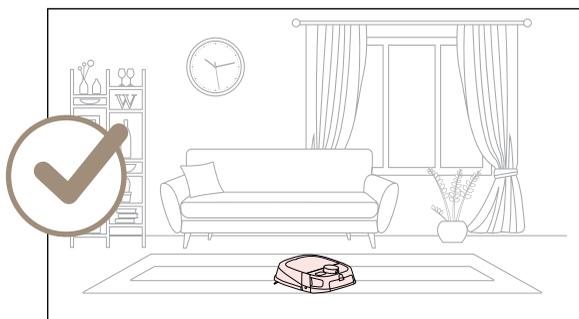
Heavy Mop mode
Press to start the heavy
(extra wet) mopping function.

Precautions



Before operating your TECBOT M1, please remove any easy falling objects, easily broken valuables, litter, clothes, cable, and potential safety hazards from the floor to avoid personal or property damage.

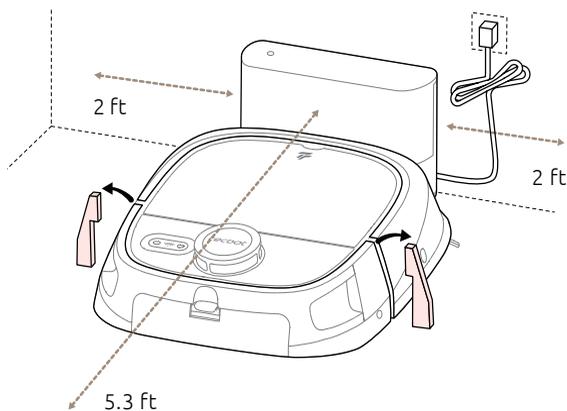
Please prevent your TECBOT M1 from getting too close to open flames or high-temperature equipment during operation to extend its lifetime and avoid fires.



Please retrieve the clean water and wastewater tanks when turning over your TECBOT M1.

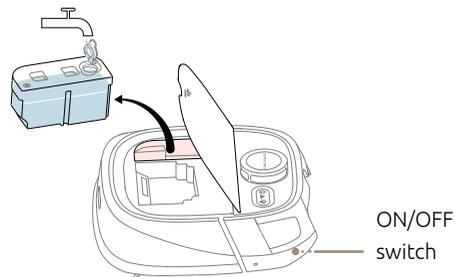
Installation

- 01 After taking your TECBOT M1 out of the box, remove the protective foam on both sides.
- 02 Check whether all components are in place: wastewater tank, V-shaped main brush, edge-cleaning brushes, and dust box.
- 03 Place the charging dock against a wall on a flat floor, and connect it to a power source. Ensure there are more than 5.3 feet of free space at the front and 2 feet to the sides of the charging dock.
- 04 Place your TECBOT M1 at the charging dock.
- 05 Turn on your TECBOT M1.
- 06 Open the top lid and remove the clean water tank by pulling its pull handle. Open the water inlet, fill it with water or foamless floor cleaner, close it, place it back, and close the top lid.
- 07 Your TECBOT M1 is ready for Wi-Fi pairing.



NOTE:

Floor cleaner with much foam will affect the water pump from functioning effectively, causes water leakage, and decrease the performance of the mopping function.



NOTE:

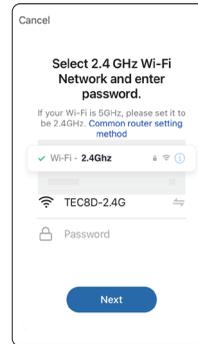
The ON/OFF switch is at the bottom right side of your TECBOT M1. ("I" position for ON and "O" for OFF, see page 5.) Your TECBOT M1 will self-check for about 10 seconds before turning on.

Wi-Fi Pairing



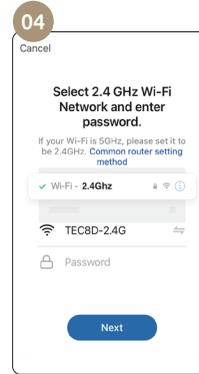
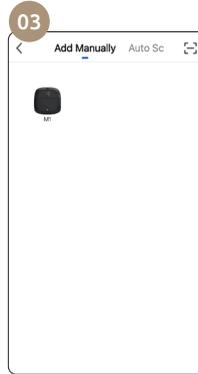
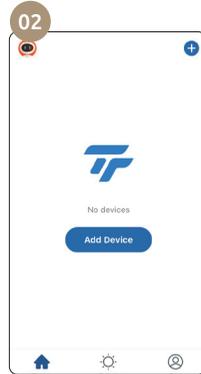
Download Tecbot Home App

Download our Tecbot Home App by scanning the QR code or searching on the App Store or Google Play to enjoy all the functions of your TECBOT M1 wherever you are.



Before Wi-Fi pairing, please confirm

- Your Wi-Fi router supports 2.4 GHz frequency band.
- Your mobile device or tablet is connected to the Wi-Fi network of 2.4 GHz frequency band.
- Your mobile device or tablet operating system is up-to-date (iOS 8.0, Android 4.4, or newer versions).



- 01 Register an account
- 02 Tap "Add Device"
- 03 Tap "M1"
- 04 Enter your Wi-Fi password



05 Tap "Switch Pairing Mode" to choose the pairing method:

AP mode

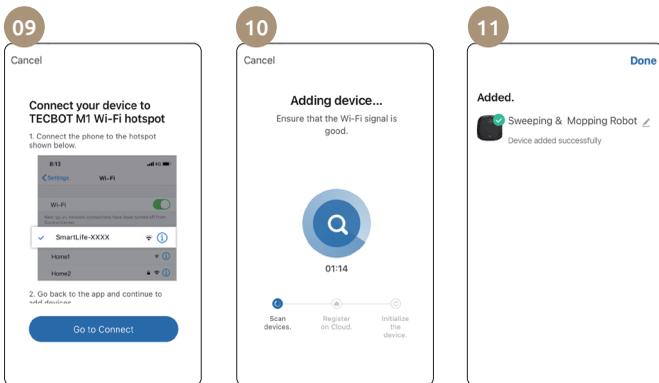
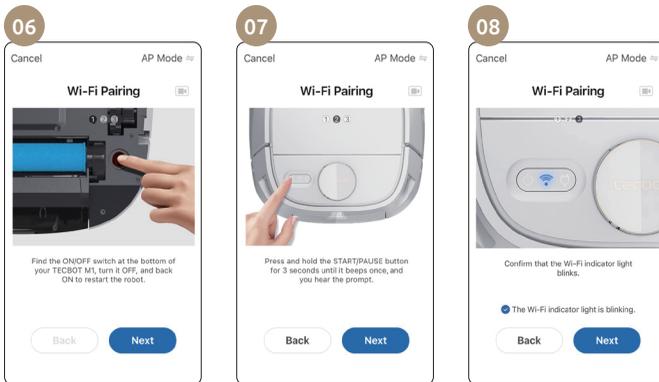
Your TECBOT M1 will create a temporary Wi-Fi hotspot (SmartLife-XXXX) to pair with your device.



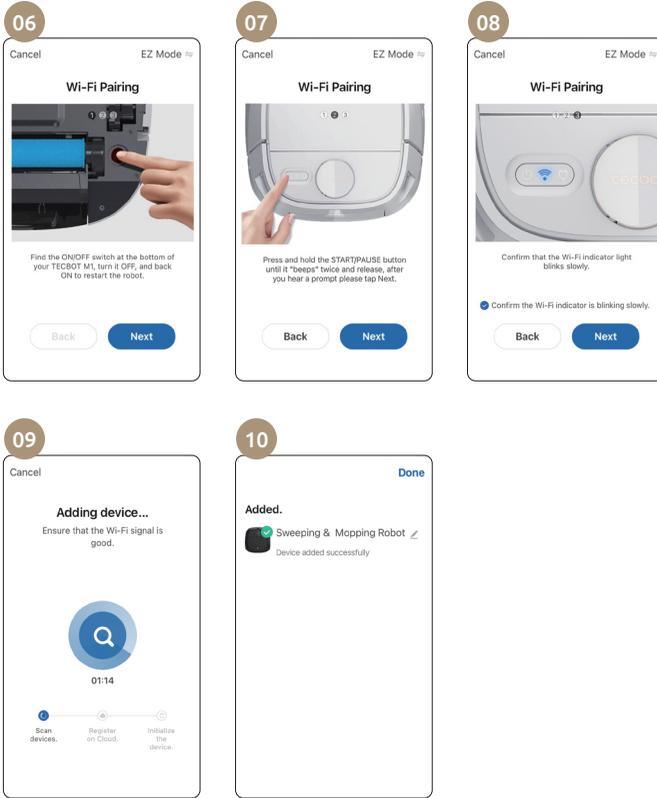
EZ mode

Your TECBOT M1 will use your home Wi-Fi connection to pair with your device.

AP mode



EZ mode



06 Restart your TECBOT M1 by switching it off and on. The switch is located at the bottom of your TECBOT M1.

07 Press and hold the START/PAUSE button until it "beeps" TWICE and release, after you hear a prompt please tap "NEXT."

08 Confirm the Wi-Fi indicator light is blinking, then tap "NEXT."

09 Keep your device as close as possible to your TECBOT M1. Wait 2 minutes.

10 Your TECBOT M1 Wi-Fi indicator light will stop blinking to confirm pairing.

11 **Success!** Your TECBOT M1 is ready to do it all.

Charging

Your TECBOT M1 will automatically return to the charging dock when its battery is lower than 20%. Press the charging button on your TECBOT M1, remote control, or the Tecbot Home App to start the recharge function.

Your TECBOT M1 will not turn on when its battery is low. Please place your TECBOT M1 on the charging dock manually. The indicator light on the charging dock will blink to indicate that charging has started. Your TECBOT M1 takes about 6 hours to be fully charged.

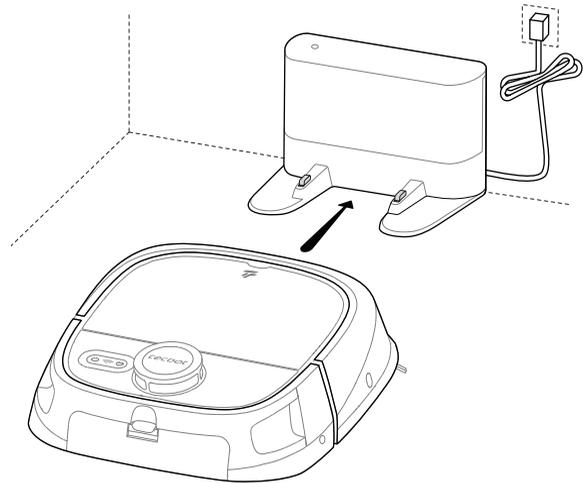
The roller mop will lift automatically to prevent leaking on the floor during the charging process.

Battery

Your TECBOT M1 uses a high-performance lithium-ion rechargeable battery pack. Please charge your TECBOT M1 after daily use to maintain the battery performance.



Your TECBOT M1 will automatically return to the charging dock when its battery is lower than 20%.

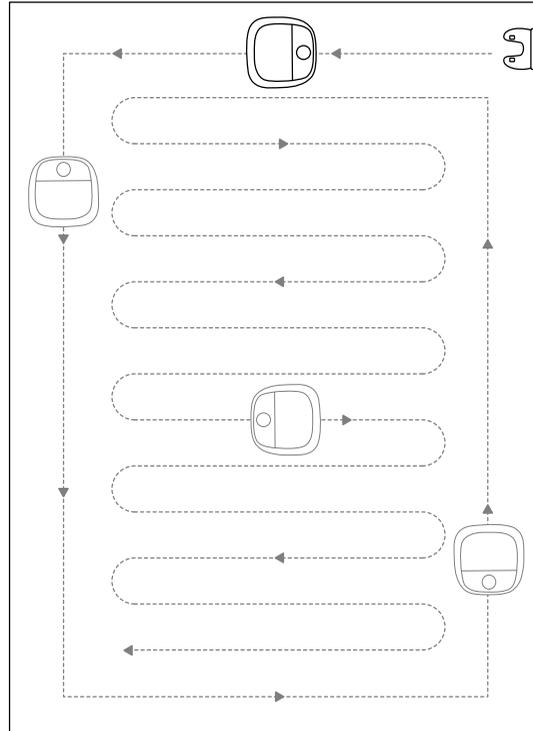


NOTE:

Turn off your TECBOT M1 if you do not intend to use it in the following 24 hours.

Cleaning path

TECBOT M1 will first start with edge cleaning of the area. It will then automatically plan a zigzag path to clean the remaining space. It will avoid obstacles in its way.



Cleaning modes and surface settings

You can select between 4 cleaning modes and 3 surface settings: Automatic mode, Sweep mode, Mop mode, Heavy Mop mode, Wood floor setting, Marble floor setting, and Outdoor floor setting.

Cleaning modes

Automatic mode

Activates all functions (sweep, vacuum, and mop.) Your TECBOT M1 will rinse the roller mop first. It will finish one room before starting another, and larger spaces will be divided into sections.

Mop mode

Activates the mop function and deactivates the sweep and vacuum functions. The roller mop will descend to start mopping.

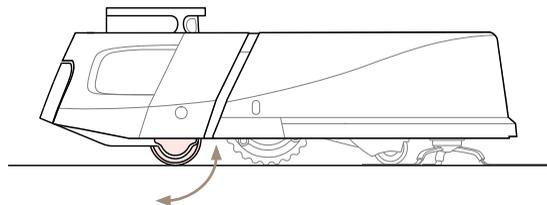
Sweep mode

Activates the sweep and vacuum functions, and the roller mop will be lifted. Your TECBOT M1 will finish one room before starting another, and larger spaces will be divided into sections.

Heavy mop mode

Your TECBOT M1 will rinse the roller mop first. The roller mop descends, and it will rotate for heavy mopping. The wastewater tank pump will work in real-time, and the roller mop will be rinsed every 6 minutes.

Depending on the selected cleaning mode and surface settings, the roller mop will rise or descend.



Surface settings

Wood floor setting

Your TECBOT M1 will rinse the roller mop first. The vacuum function is activated, and the water used for mopping is controlled.

Marble floor setting

Your TECBOT M1 will rinse the roller mop first. The roller mop will rotate for mopping, and the vacuum function is activated.

Outdoor floor setting

Your TECBOT M1 will rinse the roller mop first. The roller mop will rotate for mopping, and the vacuum function will work at maximum suction power.

NOTE:

Please clean up the wastewater tank when it is prompted full.

Regular maintenance

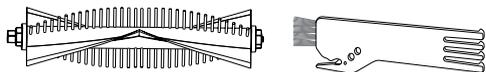
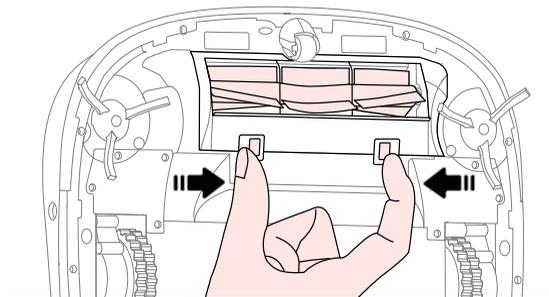


Please turn off your TECBOT M1 and retrieve the clean water and wastewater tanks when turning it over for maintenance.

V-shaped main brush

Recommended to clean up at least once a week.

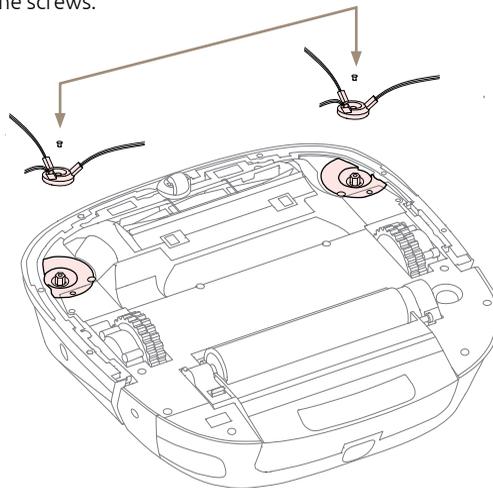
- Turn over your TECBOT M1, and remove the V-shaped main brush cover by pushing on the clips at both sides.
- Retrieve the V-shaped main brush upwards.
- Use the cleaning tools to remove any entanglement.
- Reinstall the V-shaped main brush and its cover.



Edge-cleaning brushes

Recommended to replace every 6 months.

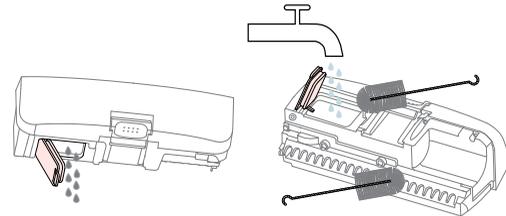
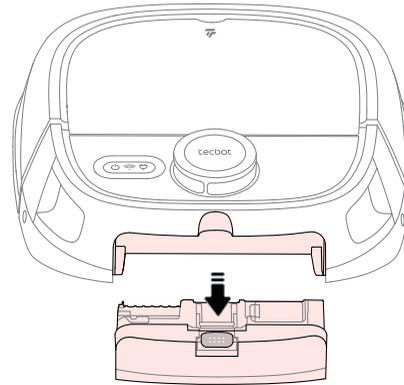
- Turn over your TECBOT M1 and remove the edge-cleaning brushes fixing screws.
- Retrieve and clean the edge-cleaning brushes with a clean cloth.
- Reinstall the edge-cleaning brushes and tighten the screws.



Wastewater tank

Recommended to clean up after every use.

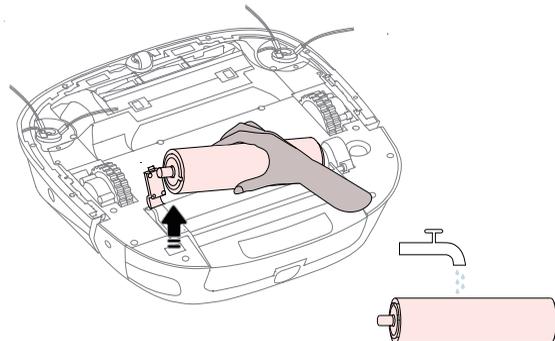
- Press down on the clip.
- Retrieve the wastewater tank
- Open the drain hole and pour out the wastewater.
- Rinse the wastewater tank and clean it with a cylindrical brush.
- Rinse and shake loose any debris in the wastewater tank water inlet.
- Dry the surface with a paper towel.
- Reinstall the wastewater tank. A “click” sound means it is back in place.



Roller mop

Recommended to clean and dry the roller mop at least once a week and replace it with a new one every 6 months.

- Retrieve wastewater tank and clean water tank.
- Turn over your TECBOT M1, gently push up the clips.
- Retrieve the roller mop.
- Rinse the roller mop with clean water.
- Wring dry the roller mop.



Charging contact points and sensors

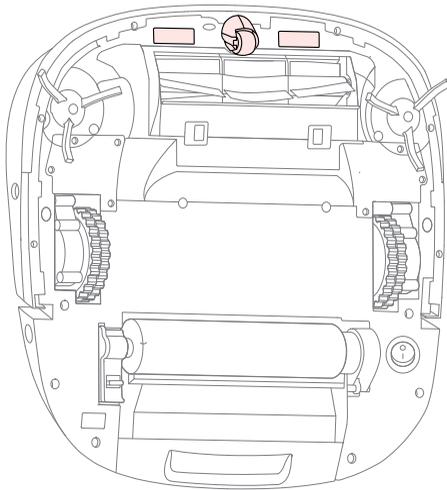
Recommended to clean up once a month.

- Always keep the all sensors' windows clean.
- Wipe clean all sensors' windows and contact points with a soft dry cloth.

Driving wheel

Recommended to clean up at least once a week.

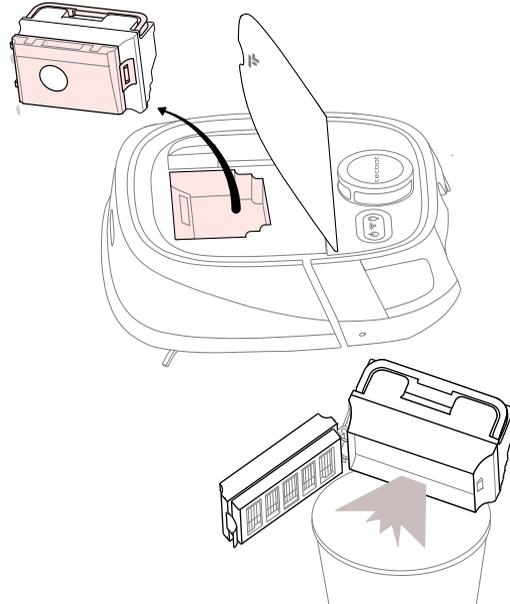
- Remove entanglements and clean off any dirt on the driving wheel body and axle.

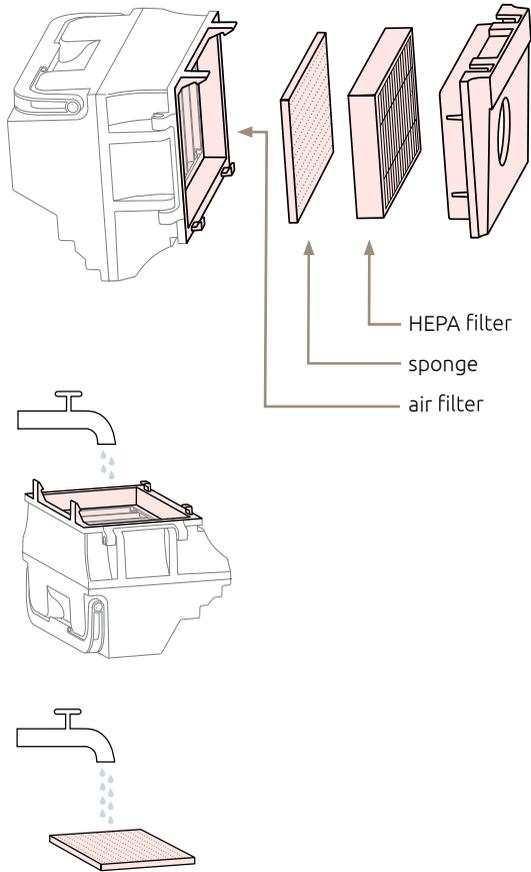


Dust box

Recommended to clean up at least once a week.

- Open the top lid.
- Retrieve the dust box upwards by its handle.
- Open the dust box cover by pulling on its clip and empty it.
- Reinstall the dust box and close the top lid.





Dust box components

Recommended to clean up once a month.

- Open the dust box cover, and retrieve the HEPA filter and sponge.
- Rinse the dust box, sponge, air filter, and back cover with clean water (do not clean the HEPA filter with water). Do not use stiff brushes or fingers to clean the filters.
- Use a hand vacuum cleaner or cleaning brush to clean the HEPA filter. Do not clean with water.
- Drain out the water droplets in the dust box, sponge, air filter, and back cover.
- Let them dry in the air for at least 24 hours.
- Reinstall the dust box components and the dust box back into your TECBOT M1.

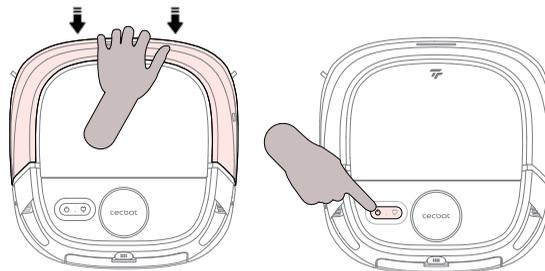
NOTES:

- Recommended replacing the HEPA between 6 to 12 months to ensure excellent cleaning performance.
- Use a brush to clean the dust accumulated in the HEPA filter regularly.
- The maximum lifespan of a HEPA filter is 12 months.

Restore factory settings

Restore your TECBOT M1 factory settings

- Turn off your TECBOT M1.
- Press and hold the collision bumper, then turn on your TECBOT M1. Wait until the START/PAUSE button light turns on and the voice prompt: "The robot is ready."
- Release the collision bumper.
- Within 30 seconds, press and hold the START/PAUSE button for 5 seconds. Wait for a "ding-dong" sound and the blinking of 2 green lights.
- Turn your TECBOT M1 off and on to finish the process.



Restore your TECBOT M1 factory settings by using the App

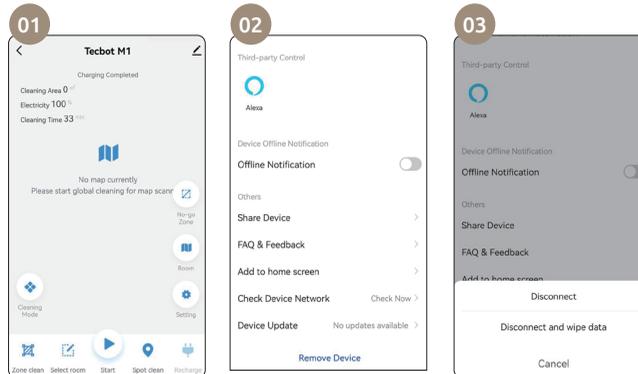
01 Tap the button 

02 Scroll down and tap "Remove Device"

03 Tap "Disconnect and wipe data"

NOTE:

Be aware that restoring factory settings will erase all user information.



Troubleshooting and FAQs

It doesn't boot.

The battery is too low. Charge your TECBOT M1 using the charging dock and try to boot again. Ensure the environment temperature is not below 32 °F (0 °C) or above 104 °F (40 °C).

It doesn't charge.

Ensure that both ends of the charging dock power cord are plugged in. Clean the charging station and TECBOT M1 contact points and confirm that the charging dock indicator is on.

It doesn't return to the charging dock station.

Put the charging dock in an open area. Place your TECBOT M1 near the charging dock and try again. Confirm whether the charging dock is powered and its contact points and signal emitter are clean.

Does charging on the charging dock all the time consumes power?

No, when your TECBOT M1 consumes low electrodes when charging, which helps keep the battery performance at its best.

Do I need to charge my TECBOT M1 for sixteen hours before the first three uses?

No, there is no need to charge lithium-ion batteries fully. They have no memory effect when used.

It doesn't return to recharge after partial cleaning or moving away.

Your TECBOT M1 will redraw the map after a partial cleaning or long-distance movement. It may not be able to return to recharge if it is too far away from the charging dock. Please, manually put your TECBOT M1 on the charging dock.

After selecting the Automatic mode, my TECBOT M1 switches to Sweep mode.

Wipe clean with a paper towel the surface of the wastewater tank and its left and right installation places. Restart the Automatic Mode.

Cleaning performance is reduced, and dust is dropped from the robot.

The dust box has filled up, the filters are blocked, and the V-shaped main brush and edge-cleaning brushes are entangled. Turn off your TECBOT M1 before maintenance.

Mopping performance is reduced.

Clean any dirt stuck on the wastewater tank's filter and roller mop. Ensure the clean water tank is filled up before starting a cleaning task.

Water leakage when rinsing roller mop.

Ensure the floor cleaner used is foamless and the wastewater tank is installed correctly.

It fell down the stairs during cleaning.

Check and wipe clean all the cliff sensors' windows with a soft and dry cloth.

Abnormal noise or behavior during cleaning.

Restart your TECBOT M1 by turning it off and on. Clean any entanglement on the V-shaped main brush, edge-cleaning brushes, or wheels.

It doesn't avoid obstacles.

Check and wipe clean the front and side sensors' windows.

Tecbot Home App can not be paired.

- Ensure your home Wi-Fi router supports the 2.4 GHz frequency band.
- Ensure your home Wi-Fi password input is correct.
- Ensure your Wi-Fi router does not has a firewall.
- Check whether the Wi-Fi indicator of your TECBOT M1 is still blinking.

The scheduled cleaning does not happen.

The battery is low, and the scheduled cleaning will start after the battery level is above 20%.

Add family members to the Tecbot Home App.

Tap "Me" to select family management.

Tecbot Home App does not have a map.

Tap on the Tecbot M1 icon on the Home page, tap "Settings", and tap "Map." You can save the map after the robot has cleaned/scanned the area for the first time.

"Selection cleaning" can not be selected.

You can edit the map after the map is saved.

Create smart cleaning.

Open the Tecbot Home App and tap "Smart." Tap the "plus symbol" to add.

Change cleaning mode.

Tap "More" to select a cleaning mode.

Warnings and Restrictions

- Use your TECBOT M1 according to this User Manual. The user shall bear any loss and injury caused by improper use.
- Do not use any third-party battery or charging docks.
- If you intend not to use your TECBOT M1 for a long time, charge it fully and turn it off. Please keep it in a cool and dry place. Charge it at least once every 3 months to avoid excessive battery discharge.
- Consult a professional recycling agency for directions to discard used batteries.
- Do not disassemble, repair, or modify the battery and charging dock.
- Do not place the charging dock near a heat source (such as a radiator.)
- Do not use a wet cloth or any liquid to clean any part of your TECBOT M1.
- Stop using the power cord and charging dock if broken or damaged.
- Transport your TECBOT M1 using the original packing box and ensure it is turned off.
- Only use your TECBOT M1 at home or in office environments. Do not use it in commercial or industrial environments.
- Do not use your TECBOT M1 in open home environments, such as duplex floors and open terraces without protective fences.
- Do not use your TECBOT M1 in environments where the temperature is lower than 32 °F (0 °C) or exceeds 104 °F (40 °C).
- Do not use your TECBOT M1 over damp, standing water, or sticky surfaces.
- Clear the floor of tripping hazards to avoid dragging and entanglement during operation.
- Put away litter, easy falling objects and valuables, and potentially dangerous items from the floor to avoid personal or property damages.
- People with physical, mental, or sensory impairments and children are not advisable to operate TECBOT M1.
- Do not allow children to use your TECBOT M1 as a toy. Supervise children and pets when it is operating.
- Keep your TECBOT M1 cleaning tools out of reach of children.
- Do not place any objects on your TECBOT M1, including children and pets.
- Do not place hair, fingers, or pets close to the vacuum when operating.
- Do not use your TECBOT M1 to clean any burning objects or flammable substances (such as unextinguished cigarettes, gasoline, and printer toner.)
- Do not use your TECBOT M1 for cleaning long-haired carpets (it may not work correctly on some dark-colored carpets.)

- Do not allow your TECBOT M1 to vacuum over hard or sharp objects (such as decoration litter, glass, iron nails, etc.)
- Do not use the top lid and collision bumper as a handle to carry your TECBOT M1.
- Do not clean or maintain when your TECBOT M1 is turned on. Unplug the charging dock before cleaning or maintenance.
- Do not use any mop mode over a carpet.

Specifications

Dimensions:

13.8 x 13.8 x 4.7 inch

Product weight:

10 lb

Vacuum power:

4000 Pa

Battery:

14.4 V / 5200 mAh

Noise level:

<65 dB

Operating time:

140-160 min

Dust box capacity:

500 ml

Clean water

tank capacity:

420 ml

Wastewater

tank capacity:

320 ml

Obstacle clearance

maximum height:

0.75 inch

Rated power:

36 W

Charging dock

dimensions:

5.1 x 0.8 x 4.1 inch

Charging dock

rated input:

100-240 V / 1 A

Charging dock

rated output:

19V / 1 A

Hazardous materials

Parts	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Circuit board	X	○	○	○	○	○
Metallic parts	X	○	○	○	○	○
Case	○	○	○	○	○	○
Battery	○	○	○	○	○	○
Other parts	○	○	○	○	○	○

Notes

X	The amount in at least a certain part exceeds the limit requirement of SJ/T11364.	○	The amount in the parts is below the limit requirement of SJ/T11364.	Pb	Lead	PBB	Polybrominated biphenyls
				Hg	Mercury	PBDE	Polybrominated phenyl ether
				Cd	Chromium		
				Cr(VI)	Hexavalent Chromium		

Implementation standards:



GB4706.1-2005
GB4706.7-2014

GB4343.1-2009
GB17625.1-2012

TECBOT M1

“The First Self-Rinsing, Roller Mop, and Vacuum Robot.”

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Manufacturer:

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