PLEASANT LITTER EXPERIENCE
FOR BOTH CATS & CAT FANCIERS

English: Scan the QR code to watch a video on how to set up, use and clean your smart cat litter box!

Nederlands: Scan de QR-code om een video te bekijken over het opzetten, gebruiken en schoonmaken van uw slimme kattenbak!

Français: Scannez le code QR pour visionner une vidéo expliquant comment installer, utiliser et nettoyer votre litière intelligente pour chats!

Deutsch: Scannen Sie den QR-Code, um ein Video zu sehen, wie Sie Ihr intelligentes Katzen-klo einrichten, benutzen und reinigen!

Español: Escanee el código QR para ver un vídeo sobre cómo instalar, utilizar y limpiar su arenero inteligente para gatos!

+ Smart Cat Litter Box +

User Manual

BEFORE USE

1. Please place the device on a firm and flat ground.
2. Please add litter below MAX line after placing the device well.
3. Please power on the device and wait it to finish self-check. Then it is ready to use.

CONTENT

Cautions:

1. Please install and use this device according to the instructions.
2. Please use it indoors, do not place it in direct of sunlight or and fire sources.
3. Please place the device on a flat hard surface, and do not place articles on the top of the device.
4. Do not drag or place vigorously during placement to avoid device damage.
5. Cats weighing less than 1kg and lactating cats should not use the device under auto cleaning mode.
6. Do not soak or immerse the electric parts of this device.
7. Please unplug the power cord when moving, cleaning the device, or not using it for a long time.
8. Please use the original power adapter to avoid damage to the device or potential safety hazards.
9. If children use this device, please make sure to use it under the guidance of parents or guardians.
10. Please perform maintenance under the guidance of professionals to avoid all kinds of damages.
11. If you encounter product related issue, please contact our customer service.
12. Please read this manual carefully before use. Once installed and used, it is seen that you have carefully read and accepted the following safety instructions.
13. If the product does not work correctly due to other unknown conditions, please simply restart the power by unpluging and pluging-in the cord.

I INSTRUCTIONS FOR THE FIRST USE

1.1 Unpacking:

Turn over the carton to cut the tape from the bottom, then turn over the carton to pull up the carton vertically.

1.2 Placement:

Place the device on the flat ground and make sure all four feet of the product contact the flat and hard surface.

To avoid the cat identification sensor malfunction, please keep a 1 ft clear space for the device if the object is over 2 inches tall.
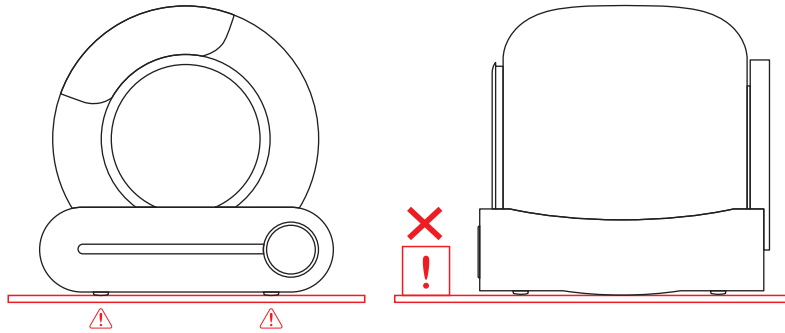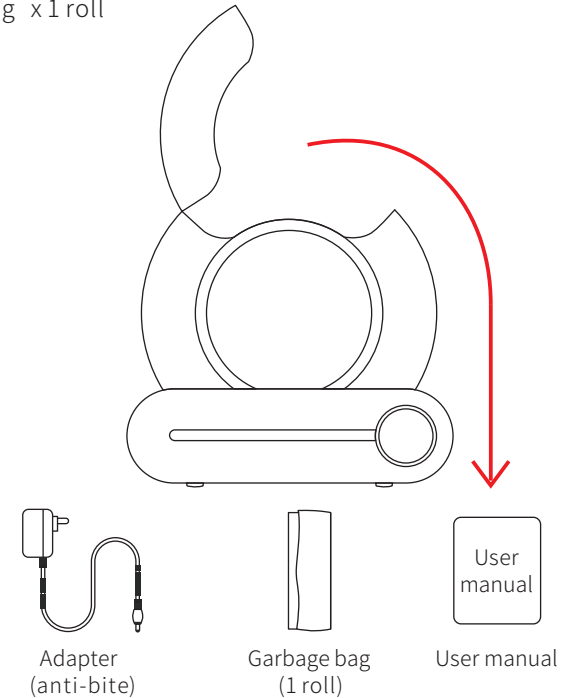
Notice:

✓ The four feet of the product must be in contact with a firm flat ground!

✗ Place the machine on the soft carpet.

✗ Place the two front feet of the device on the cat litter mat or rug.

1.3 What is in the box?

Power Adapter with Anti-bite Cord x 1

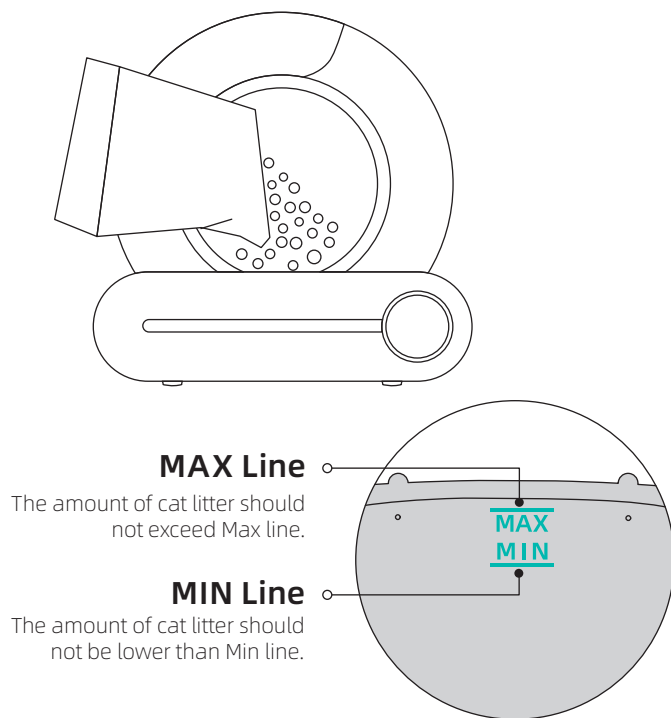Manual   x 1

Garbage Bag   x 1 roll

Adapter (anti-bite)   Garbage bag (1 roll)   User manual

Notice:

Please review the installation instructions of garbage bags, or scan the code below to watch the video.

1.4 Adding Litter:

Make sure the leveled litter height is between the MAX line and the MIN line (based on your actual need).

MAX Line

The amount of cat litter should not exceed Max line.

MIN Line

The amount of cat litter should not be lower than Min line.

1.5 Power On:

1.5.1 Power on the device with pluging in the adapter and wait for the machine to self-check for about 3-8 minutes. It will automatically enter the sensing stage after self-check. No need to change its mode at this point.

1.5.2 After the cat litters and leaves, the device will automatically clean up in 3 minutes to allow enough time for the cat leaves and cat excrement clumps. Then the cleaning process will take 4 minutes to complete.

1.5.3 After cleaning, the device will automatically start the smell elimination and disinfection process which will last around 30 minutes.
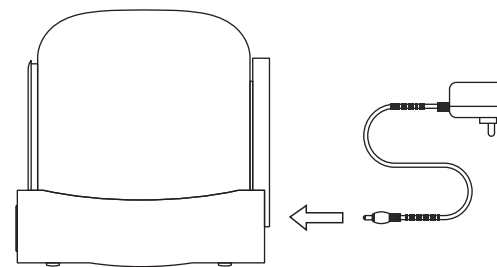
Notice:

✕ Pick up or drag the device after powering up. (This will interfere with weight calibration in the reset program.)

① If you place the device in a narrow space, or there is an infrared interference source in front of the device, the device self-check may take about 8 minutes. Please wait patiently.

② Suppose the sensor has detected the space is not suitable for work. In that case, the detection function will be automatically disabled after the self-check is completed.
The weight detection system will detect whether the cat enters automatically.

③ During the cleaning process, all keys will be suspended. Please wait until the cleaning process is completed if you need the device to perform other functions.

II APP
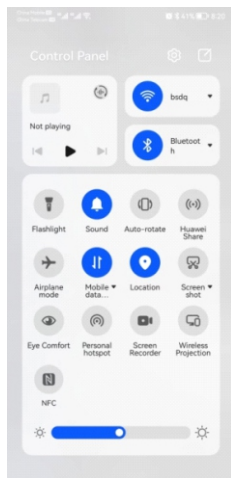
2.1 App Installation

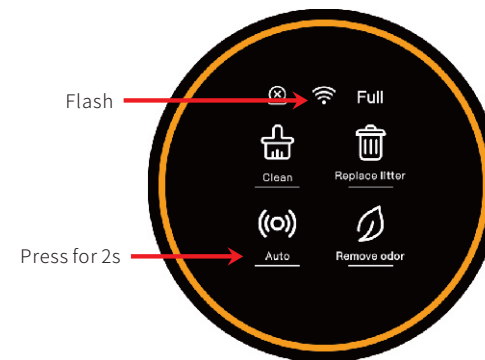Method 1: You can scan the above
QR Code with your mobile phone

Method 2: You can download
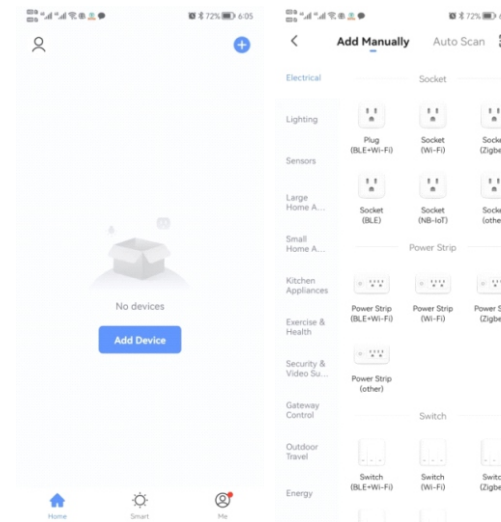"tuya" App from the App store.

2.2 Networking:

2.2.1 Confirm that the phone is connected to 2.4G WiFi, then turn on the Bluetooth and Location
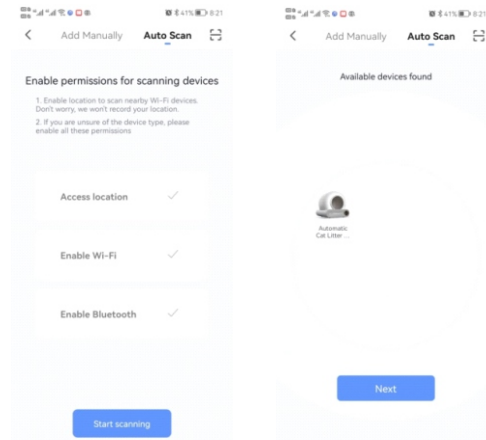
2.2.2 Press "Auto" for 2 seconds, when the WiFi indicator starts flashing, the device is ready to be connected.
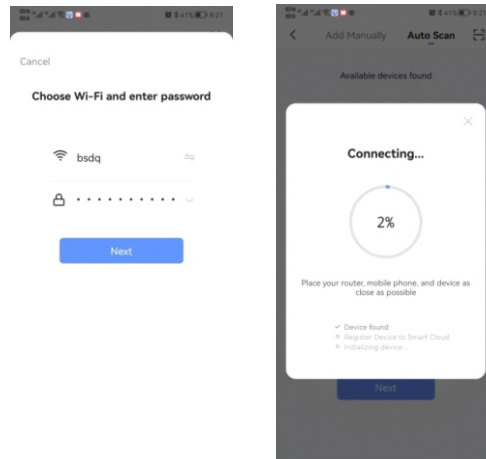
Flash

Press for 2s

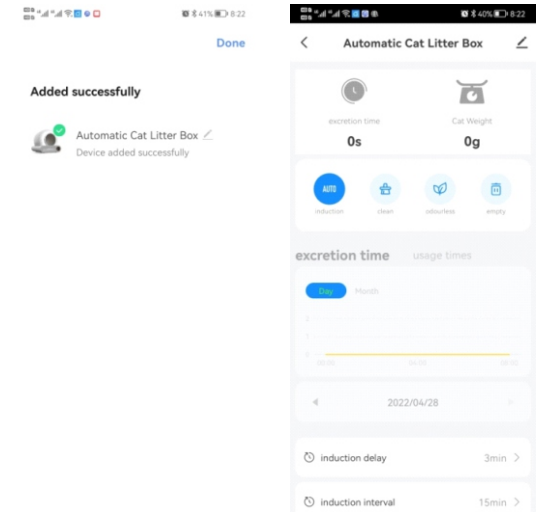2.2.3 Open the App to add equipment or let the App scan automatically.

2.2.4 Press "Next" after scanning the device.

2.2.5 Press "Next" after entering the WiFi password and wait to connect.

2.2.6 Enter APP after connecting.

Notice:

If the network configuration fails or a timeout message is displayed, please follow the connections fix process as below:

① WiFi, Bluetooth, and Location switch are enabled simultaneously.

② WiFi connection is in the 2.4G band network. (The product can not recognize the 5G band network.)

③ WiFi indicator is flashing during network configuration.

④ WiFi network in your home is functioning

⑤ WiFi password is correct.

⑥ WiFi signal is weak and the WiFi needs to be closer to the device.

⑦ The router connects to many wireless devices, causing IP address conflicts.

III OPERATING INSTRUCTIONS

3.1 Auto Mode:

Click "Auto" on the panel or the App to start auto-sensing for cats in / out and auto cleaning. It is the default mode once the device has powered-on and self-checked.
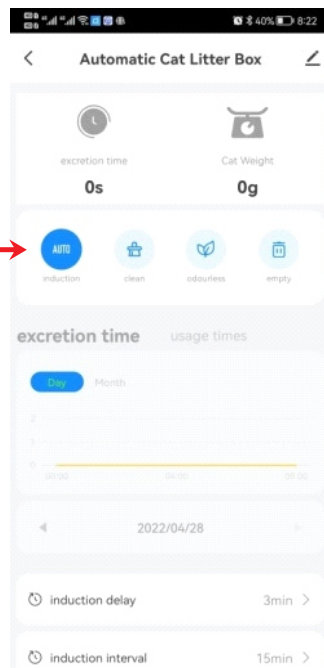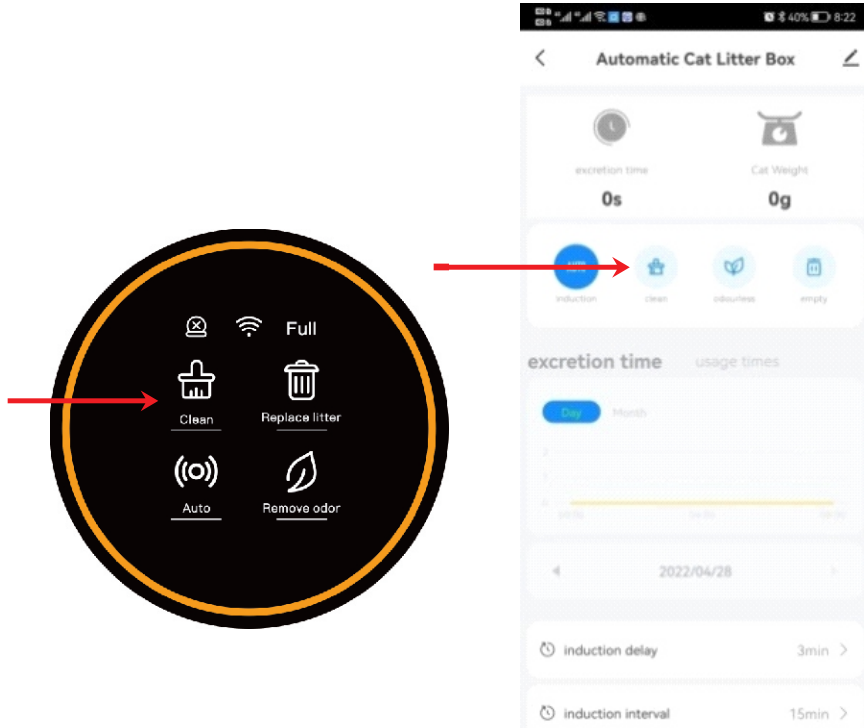

Notice:

①Please click "Auto" on the panel or the App to turn-off the auto-sensing feature if the cat is less than 2.2 lb (1kg) or the cat is pregnant. When the device needs cleaning, you will need to click "Clean" to start the cleaning process.

②To clean litter quicker, you can adjust the "cleaning wait time" in the App, for example, 1 minute, in that way you can clean as quickly as possible and reduce the smell. For families with two or more cats, you can adjust the "cleaning interval" in the App to avoid repeated ineffective cleaning of the device.

③If the cat enters the bin for more than 10 seconds, the cat is considered to have potty behavior. After the cat leaves for 3 minutes, the automatic cleaning procedure will be performed. (The default interval between cleanups is 15 minutes to prevent the device from cleaning too frequently during multiple cats' use. The device might not work after the second cat pees; the interval of two pees is less than 15 minutes.)

④If the App froze, please check the network status or re-configure the network, or click the corresponding button on the App and repeat once or twice.

3.2 Clean Mode:

Click "Clean" on the panel or the App to start clearing process.

Notice:

①During the clearing process, all keys will be disabled. If you need to perform other functions, please wait until the clearing process is complete.

②Extend the cleaning time in the phone App when the cat has diarrhoea. It allows the cat litter to take enough time to clump and reduces the pollution of soft feces to the bin.

③If you have restarted the device, the waiting time of the "Cleaning" procedure will be restored to the default by 3 minutes, which can be reset in the APP if necessary. (setting range: 0 to 60 minutes)

④Extend the interval between two cleanings when you have multiple cats, preventing repeated device cleaning.

⑤If you have restarted the device, the interval time between two clearings will be restored to the default by 15 minutes, which can be reset in the APP if necessary. (setting range: 0 to 120 minutes)
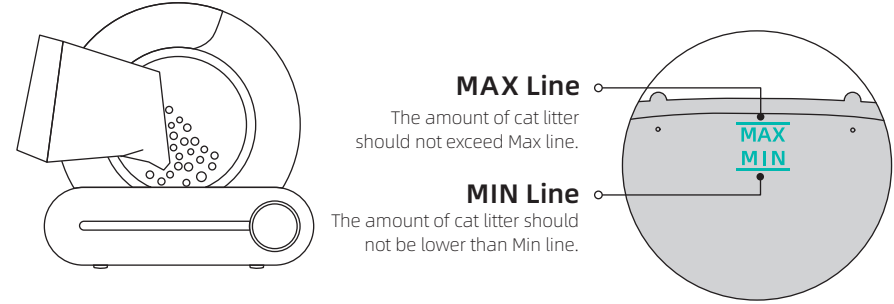
3.3 Add cat litter:

Method 1:

In "Auto" mode, when the adding cat litter is more than 2 lb (1kg), the "Auto" will start flashing. After 30 minutes, the cat litter will be automatically smoothed, and the weight will be calibrated.

Hold the 'Remove odor' button for 2 seconds or more to adjust the time. The cat litter will be smoothed, and the weight will be calibrated immediately.

Method 2:

Please turn off the power, add the litter and turn on the power.

MAX Line
The amount of cat litter should not exceed Max line.

MIN Line
The amount of cat litter should not be lower than Min line.

Notice:

①The machine will not interrupt when it is smoothing litter, even the cat enters. The device spins gently and will not hurt cats. During cleaning process the device has protection and it will stop once the cats get close to the entrance.

②Please make sure the height of the litter is between the MIN line and MAX line. If not, please adjust the amount of litter using method 2.

③You can find the litter surface level correction option on the App to adjust the litter position manually. (For grade 0, the litter surface leans to the right, and in grade 6, the sand surface leans to the left.)
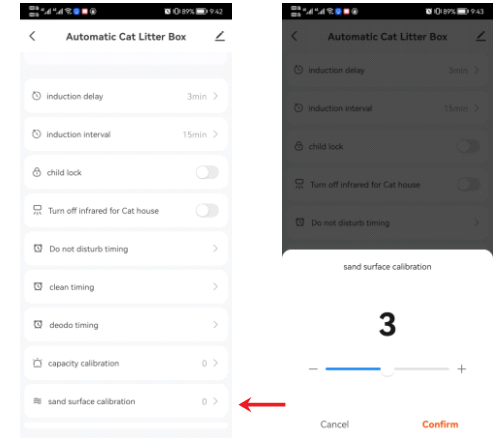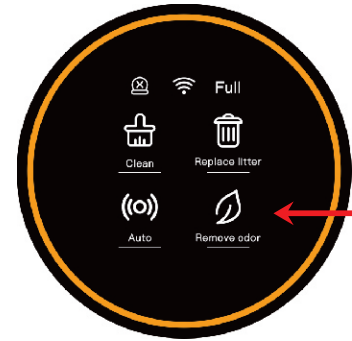
3.4 Replace litter:

①Replace the garbage bag with a new one (the original one is already full of polluted litter and bacteria)

②Make sure the remaining litter is close to the MIN line (to avoid the overflow when the bin rotates)

③Press "Replace Litter" for 2 seconds, then wait for the device to clear the rest litter (about 3 minutes)

④Replace the garbage bag with a new one again after clearing litter

Notice:

①Click "Replace Litter" again to cancel if you clicked it by mistake or forgot to replace the garbage bag.

②For fine mineral litter, when replacing the bag (step ①) , you can hold the "Clean" button for 2 seconds to avoid the overflow from the bag opening. The litter bin will rotate 90° counterclockwise to ensure that the opening of the bag is upward when replacing. After replacing garbage bag, repeat ③ and ④.
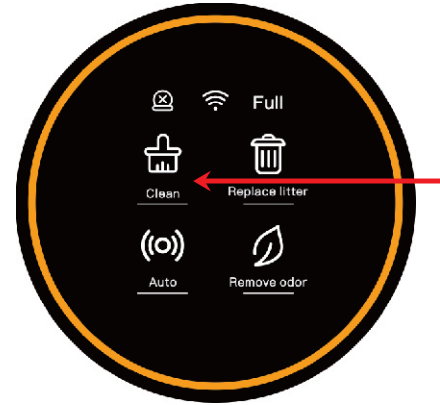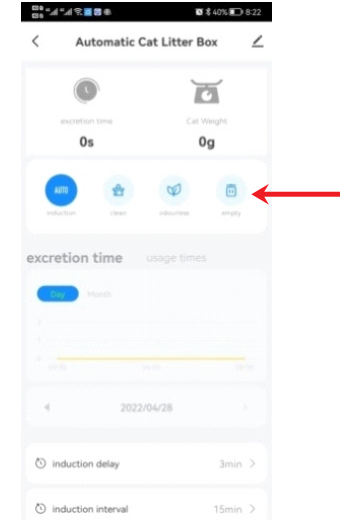
3.5 Remove Odor:

Method 1:

Click "Remove Odor" on the panel or click "Odorless" on the App.

Method 2

Set regular work on your App.
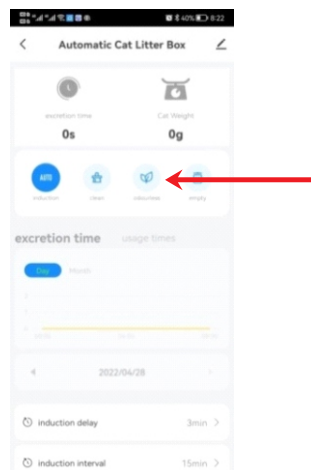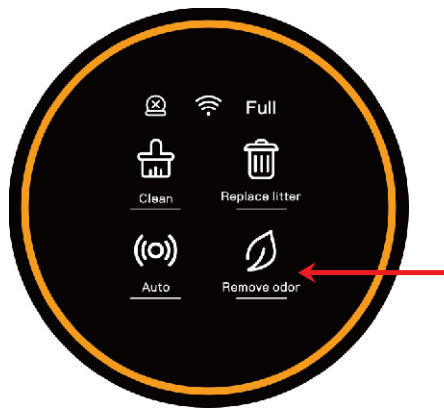
Notice:

①The device will remove odor automatically for 30 minutes after every cleaning.

②It will stop once the cat enters and continue to work after the cat leaves.

3.6 Replace Garbage Bag:

When indicator "Full" is on, you will need to replace the garbage bag.

① Hold the "Clean" button for 2 seconds, wait for the waste bin to change the position, open the waste bin and take out the used garbage bag.

② It will take 60 seconds to change the waste bin position. Then, the device automatically returns after 60 seconds. If the new garbage bag is not placed within 60 seconds, you can continue after the device is returned.

60"

③ The drawstring of the new garbage bag is aligned with the tie-pile and the lower edge of the bag opening is clamped under the locating clip.

Locating Clip

④ Wrap the garbage bag around the outer frame of the waste bin gate, and pull out the drawstring.

Tighten Up

Pull

⑤ Press the drawstring into the tie-up pile, tighten and wind it.

Press

Wind

Tighten

⑥ After the installation, confirm that the automatic flip-door of the waste bin is not blocked and can open and close normally. Place the rest part of the garbage bag to the empty room of the waste bin, to prevent it being trapped by the waste bin cover.

Notice:

①The "Full" indicator is only for reference. The "Full" indication may vary depending on the cat litter volume, density, and fluidity. You can adjust the delay of the "Full" sign on the App based on your preferences. The default is 0 (there is still a little space in the bag for garbage), and the maximum value is 15.

②If you have restarted the machine, the delay of the "Full" prompt will be restored to the default, which is 0. It can be reset in the APP if necessary.

③Normally, the waste bin storage capacity of 1 cat can be up to 15 days, and for 3 cats can be up to 5 days. Users can replace the garbage bag every five days, depending on the actual situation.
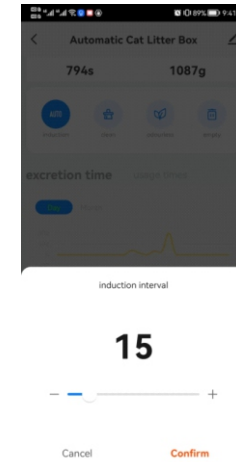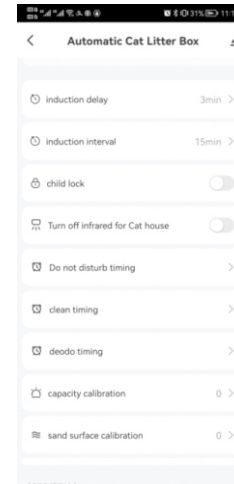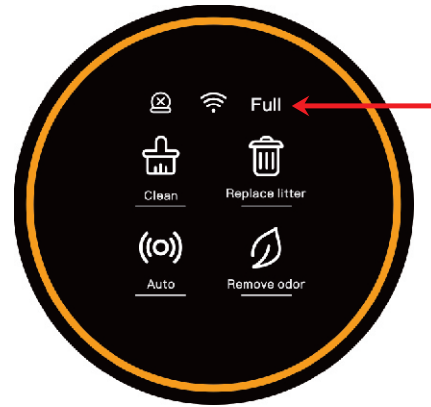
3.7 Wash Barrel:

①Power off the device first!
②Open the buckle of the barrel compartment and lift the bin.
③Wash and dry the barrel before placing it back on the base!

Waste bin

Barrel

Entrance

Barrel shaft Fixed groove

Ion Purification module

Host

Power socket

Clasp

4 Weight sensors

Display and Control Panel
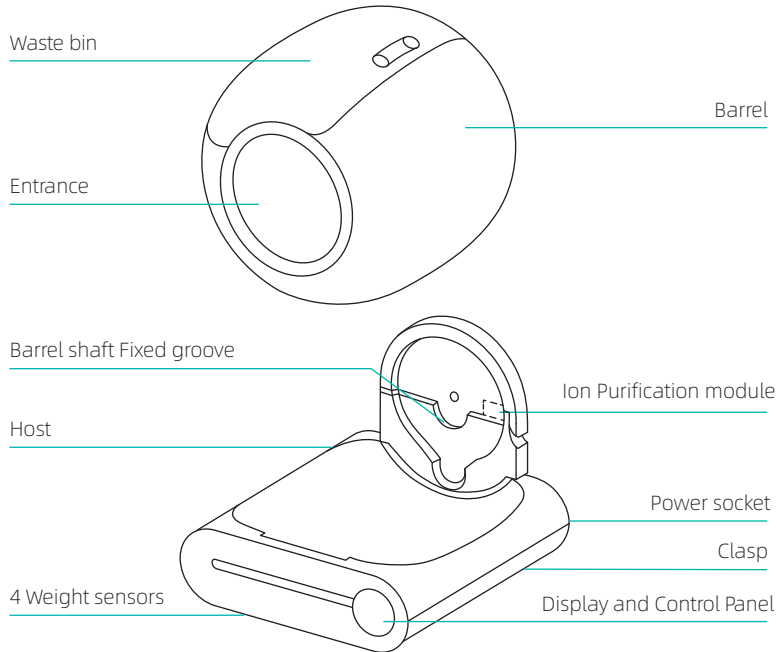
Notice:

If the indicator of the Bin sign is on, please restart the machine or click" Clean".

3.8 Lock the Panel:

Press the "Auto" and "Remove Odor" at the same time for more than 2 seconds to turn on and off the "Child Lock". You can also use the "Child Lock" button on the App.

< **Automatic Cat Litter Box** ∠

⏱ induction delay	3min >
⏱ induction interval	15min >
🔒 child lock	⬤
🖥 Turn off infrared for Cat house	⬤
⏲ Do not disturb timing	>
⏲ clean timing	>
⏲ deodo timing	>
🌡 capacity calibration	0 >
≋ sand surface calibration	0 >

⊠ ⤢ Full

Clean   Replace litter

((o))   🍃
Auto   Remove odor
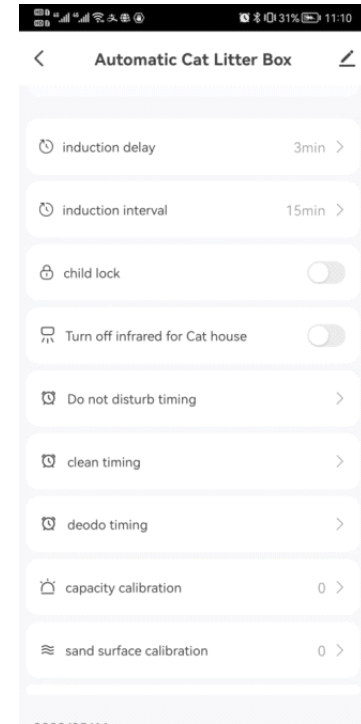
"auto" + "Remove odor" 2 seconds

3.9 Turn On / Off the Infrared Sensor:

Press "Clean" and "Replace litter" at the same time for more than 2 seconds if the device is placed in a cage or a narrow space. Or click the bucket infrared sensor option in the APP to turn on or off the bucket infrared sensor.
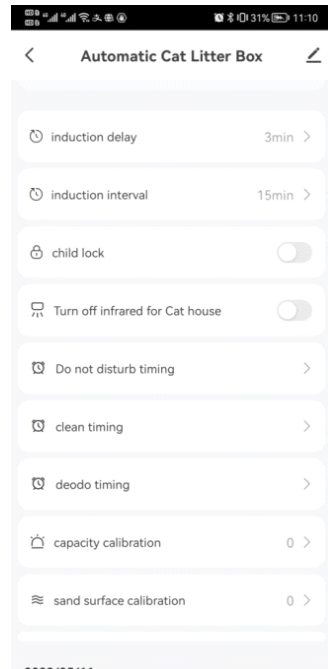
"Clean" + "Replace litter" 2 seconds

3.10 Timing:

3.10.1 Sleep Mode

When the device is placed in the bedroom, you can set in the App "Do not Disturb Timing" to prevent the night-time activation of the device.
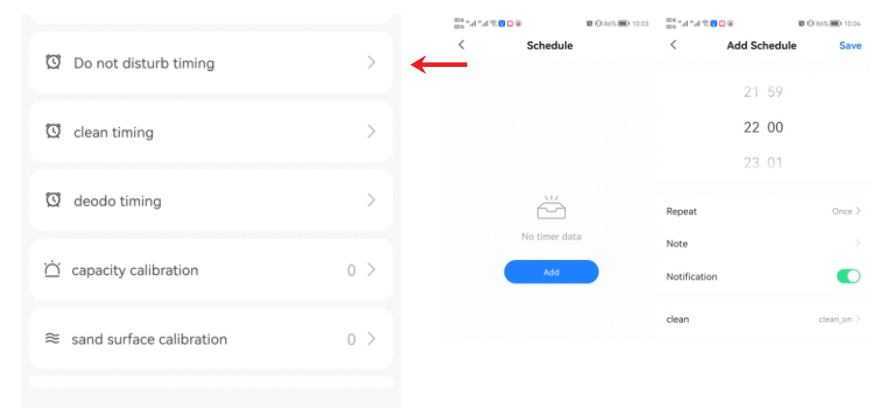
Notice:

①When the DND (Do not Disturb) mode is on, the light on the panel will be off. Touch any button to exit the DND (Do not Disturb) mode.

②If the device is clearing when setting DND (Do not Disturb), it will enter the DND (Do not Disturb) stage after the cleaning is complete.

3.10 Scheduled Cleaning:

3.10.2 Regular cleanup mode

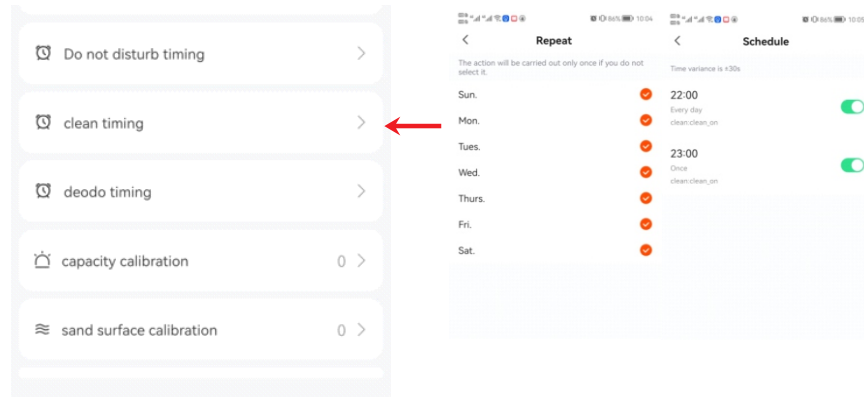Set the device to clean regularly in the App "Clean Timing".

3.10.3 Timing Odor Removing:

Set the device to remove odor regularly in the App "Deodo Timing".

Notice:

Suppose the execution time of these scheduled procedures overlaps with the DND (Do not Disturb). In that case, the product will first perform odor cleaning and then return to DND mode.

IV FAULT SELF-CHECK METHOD

4.2 Testing Mode：

①Press each key to check whether the key works properly. If it works properly, the PCB hardware is functioning correctly.

②Press the device from the top with a force of more than 2.2 lb (1kg) to see whether the "Full" indicator flashes. If it does, the gravity sensor is functioning correctly.

③If the Bin indicator keeps lighting up, the motor is working correctly.

④If the WiFi indicator keeps lighting up, the WiFi hardware is functioning correctly.

⑤Cover the infrared sensor at the barrel entrance, if the "Auto" mark flashes, the sensor functions correctly.

4.3 Restart the device after the testing mode is completed.

V FAQ

Q: Why is the weight data only about half of that of my cats?
A: Please check if the cat enters only halfway out of curiosity, or if the device is placed on flat ground and a hard surface.

Q: Why is the App showing motor failure, why is the fault indicator lighted on the equipment panel/why is the equipment always self-checking?
A: If the self-check takes more than 15 minutes, the fault indicator is on. It may be that the barrel compartment is not installed correctly or something is stuck. Please open the buckle of the barrel compartment, lift the barrel to inspect, and then put it back according to the tips (on the base) and close the buckle.

Q: Why does the clearing takes so long?
A: Lower revs make timid cats less scared. It will prolong the whole clearing time if cats enter or come closer frequently out to curiosity.

Q: Why the machine rotates back for a while before finishing the whole rotation?
A: To save litter and increase the capacity of the collection bin.

Q: Why the poop can't be cleaned in the garbage box?
A: It could be caused by garbage bag jam by cat litter. Please inspect the garbage bag port to see if it can be fully opened and close. (it is recommended to check every time after installing a new bag). The large size of garbage can be handled manually to make it smaller first.

Q: What kind of cat litter sand should I use?
A: Mixed sand and tofu sand are preferred. Bentonite sand and mineral sand are okay, this may affect the delay time of the "Full" prompt due to their weight density and liquidity.

Q: Why is there some litter sand left in the bin after using the "Replace Litter" function?
A: Please check the garbage bag space to see if there is enough space. Please replace the bag and then "Replace Litter" again.

Q: Why is the litter sand leaking out from the port of the garbage box when replacing the garbage bag?
A: Please hold the "Clean" for 2 seconds, and then the litter bin will rotate 90° counterclockwise to ensure that the port of the bag is upward when replacing.
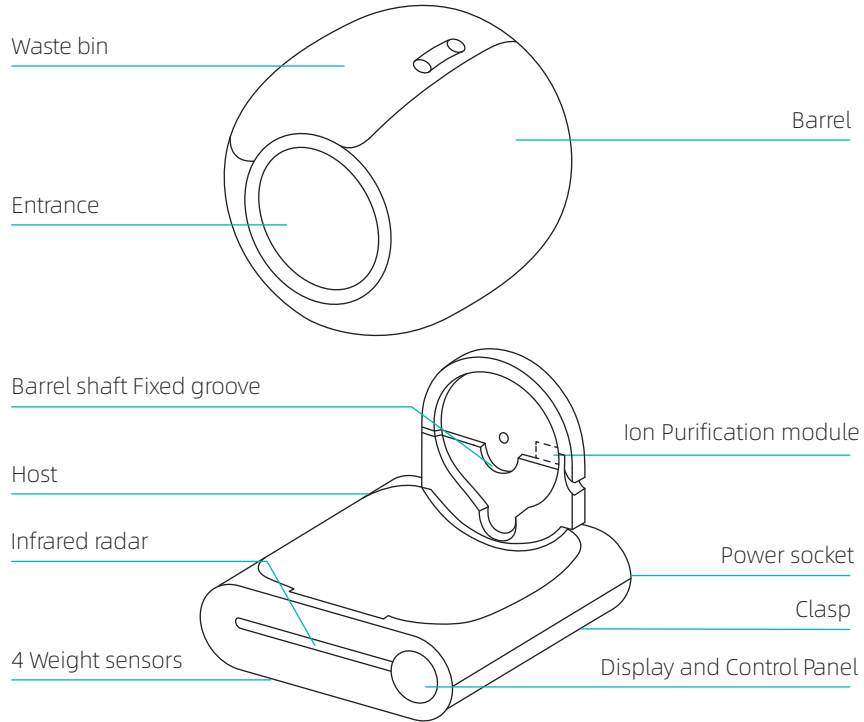
Q: Why is the weight data incorrect?
A: Please hold the "Remove Odor" for 2 seconds, the litter sand will be smoothed, and the weight will be calibrated. Also, please check whether the device is placed on a flat and hard surface. If a cat enters the bin during working, it will also get an inaccurate weight. Cats entering halfway or staying in the bin for too short of time may also result in incorrect weighing.

Q: Why didn't the device stop working while the cat entered?
A: The device won't stop when sand leveling and weight calibrating. The device is designed with a safe structure. Rotating 45 degrees is safe when the cat enters.
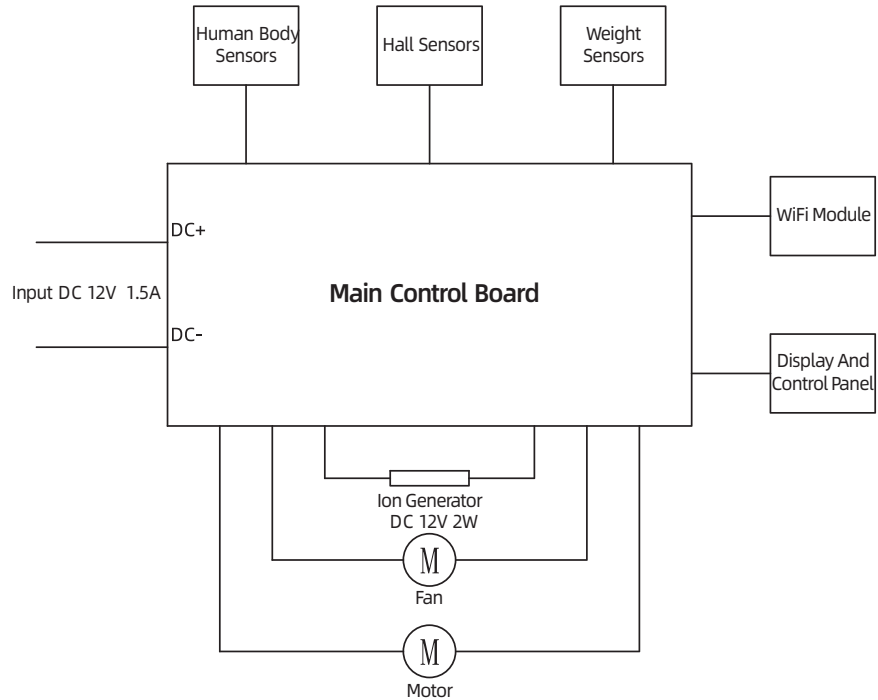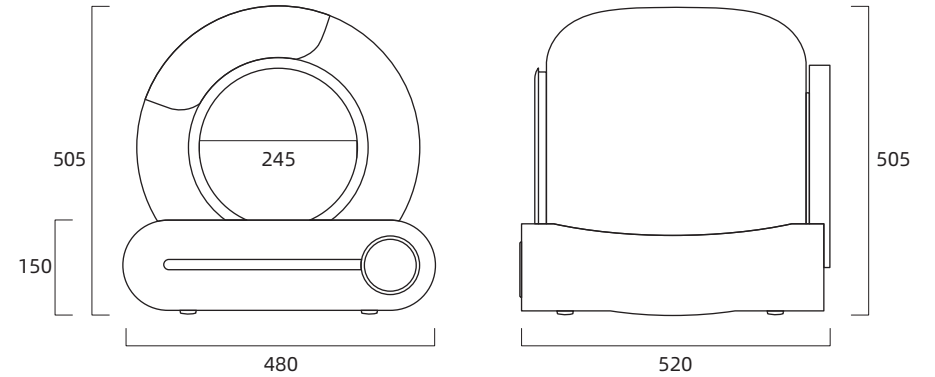
VI PRODUCT LIST

Waste bin

Barrel

Entrance

Barrel shaft Fixed groove

Ion Purification module

Host

Infrared radar

Power socket

Clasp

4 Weight sensors

Display and Control Panel

VII INTRODUCTION OF CONTROL PANEL

	Category	Function	Operation	Status	Prompt tone
wifi	Host key	Clean	Click	Start cleaning immediately	One ring
		Replace litter	Press for 2"	Start replacing cat litter	Long ring for1 "
		Auto cleaning	Click	Start Auto cleaning	One ring
		Remove odor	Click	Start purifying the air	One ring
		Join network	Press for 2"	Reset WiFi to start join network	Long ring for1 "
		Leveling	Press for 2"	Leveling the cat litter	Long ring for1 "
		Change garbage bag	Press for 2"	Adjust the barrel angle to the bag changing position	Long ring for1 "
		Lock/Unlock	Press + for 2"	Locked/Unlock	Long ring fo3"
	Indicator	Ring lamp	Lighting	Power On	
		Fault lamp (left)	Lighting	Barrel is not installed or it cannot run	
		WiFi lamp (middle)	Lighting	The device is connected	
			Flash	The device is trying to connect to the network	
			Unlit	The device is not connected	
		Waste full lamp (right)	Lighting Full	Remind users to replace garbage bag when the waste bin is almost full	

Ⅷ CIRCUIT DIAGRAM

Human Body Sensors

Hall Sensors

Weight Sensors

WiFi Module

Main Control Board

DC+

Input DC 12V 1.5A

DC-

Display And Control Panel

Ion Generator
DC 12V 2W

M
Fan

M
Motor

Ⅸ PARAMETERS AND SPECIFICATIONS

505

245

150

480

505

520

Product Name	Product Model	Whole Machine Size
Smart Cat Litter Box	MSP-01	480(W)×520(D)×505(H)mm

Rated Voltage	Rated Power	Suggested Pet Type
DC12V	≤18W	Cat