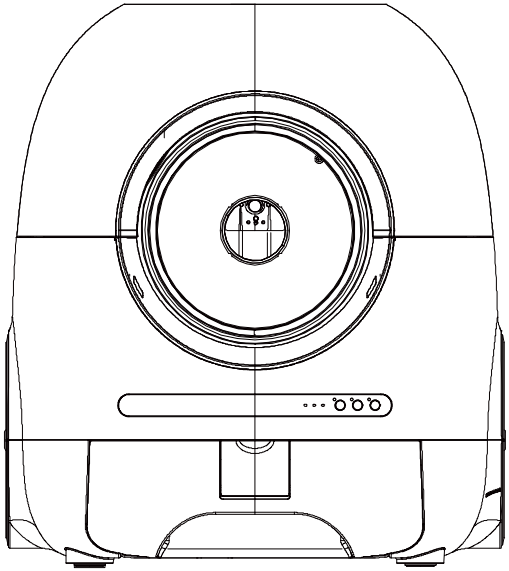
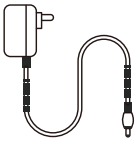
Smart Cat Litter Box（Frank）

User Manual

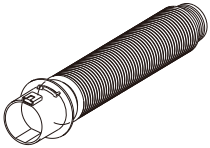
We are committed to create safe, comfortable, intelligent, and aesthetically pleasing pet products.

Packing List

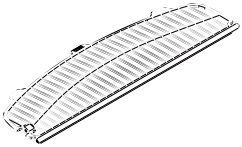




Power Adapter



Air Duct



Filter Screen

Garbage Bags (1 roll)
(To be purchased separately)

User Manual

Table of Contents

1. Quick Start Guide - 03

2. Product Components - 09

3. Control Panel Functions - 10

4. APP Connection Method and Usage Instructions - - - - - - - - - 11

5. Device Usage and Precautions - 19

6. Device Maintenance and Cleaning Recommendations - - - - - - 20

7. Self-diagnostic Methods and Common Issues - - - - - - - - - - - 20

8. FAQ - 21

9. Product Disclaimers - 23

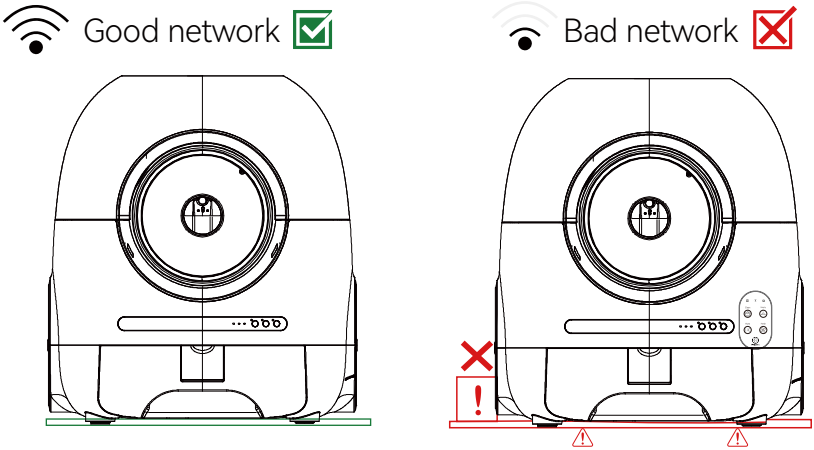
10. Product Specifications and Parameters - - - - - - - - - - - - - - 24

11. Declaration - 25

1. Quick Start Guide

● When unpacking the package, please place the product on a flat and sturdy surface, preferably in an area with a good network environment.

● Please avoid placing the device on soft surfaces such as cushions or carpets, as this can cause errors in the gravity sensor's operation, affecting the user experience and potentially rendering the automatic cleaning function ineffective.If the device is unable to function properly when placed on a soft surface, please place it on a hard surface (or place a hard wooden or metal board on the soft surface) to ensure its normal operation.



Hard surfaces such as floors

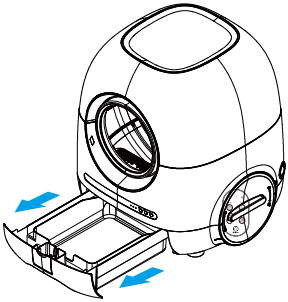
Recommended

Soft surfaces such as carpets and mats

Not recommended

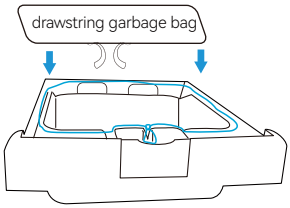
(1/1) Operating Steps:

- After completing the following steps, connect the power supply and wait for the device to perform a self-check (approximately 3-5 minutes). Once the self-check is complete, the device is ready for use.



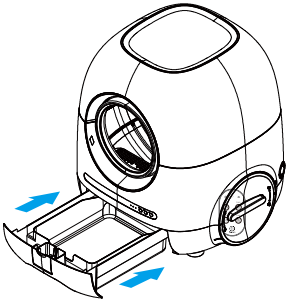
Step 1

① Remove the waste collection bin



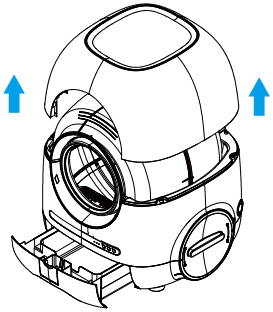
Step 2

② Install the garbage bag
(*refer to the instructions provided later for detailed installation steps)



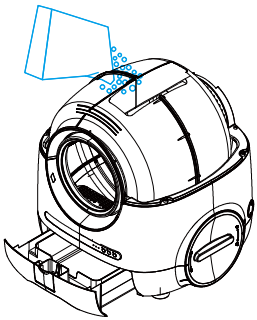
Step 3

③ Insert the waste collection bin



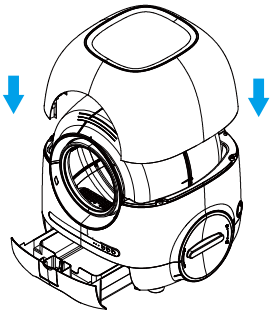
Step 4

④ Remove the top cover



Step 5

⑤ Add appropriate amount of cat litter



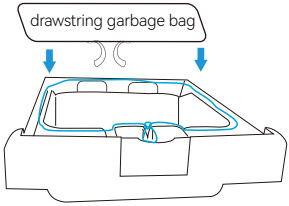
Step 6

⑥ Place the top cover back in position

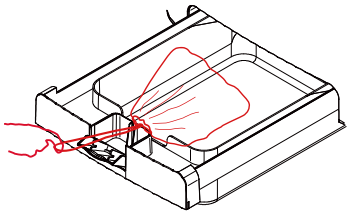
(1/2) Garbage Bag Installation and Usage：

● After laying the garbage bag flat, insert the drawstring into the drawstring box at the front end. (Figure 1)

● When cleaning the feces, first open the drawstring box and pull out the drawstring, then the garbage bag can be securely sealed. Next, open the waste collection chamber. (Figure 2)



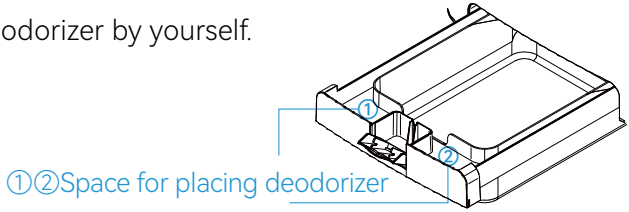
(Figure1)

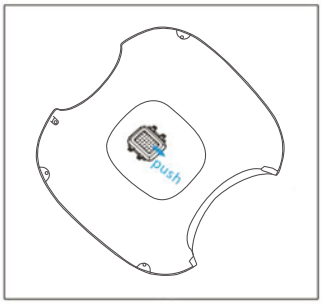


(Figure2)

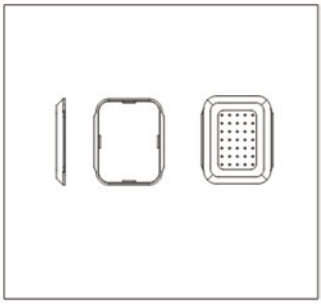
(1/3) Placement for the Deodorizing Box:

● Please purchase deodorizer by yourself.

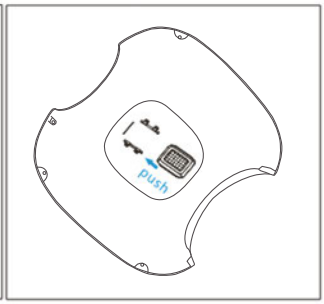




① Push out the deodorizer box in the direction indicated by the arrow.

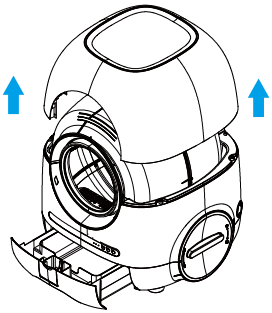


② Open the box cover and place the deodorizing sheet (pack) inside the box.



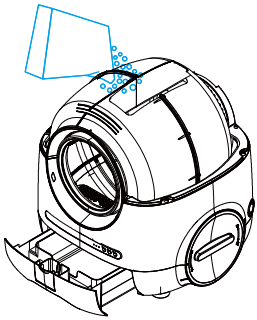
③ Push and install the deodorizing box in the direction indicated by the arrow.

(1/4) Method of Adding Cat Litter:



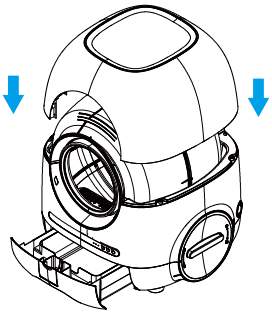
Step 1

① Lift the upper cover upward



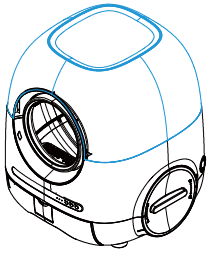
Step 2

③ Add cat litter from the top opening of the drum



Step 3

③ After adding the cat litter, put the upper cover back in place



Step 4

④ Double-click to release the child lock. Press the "Replace" button to level the cat litter.

(1/5) Air duct connection and installation:

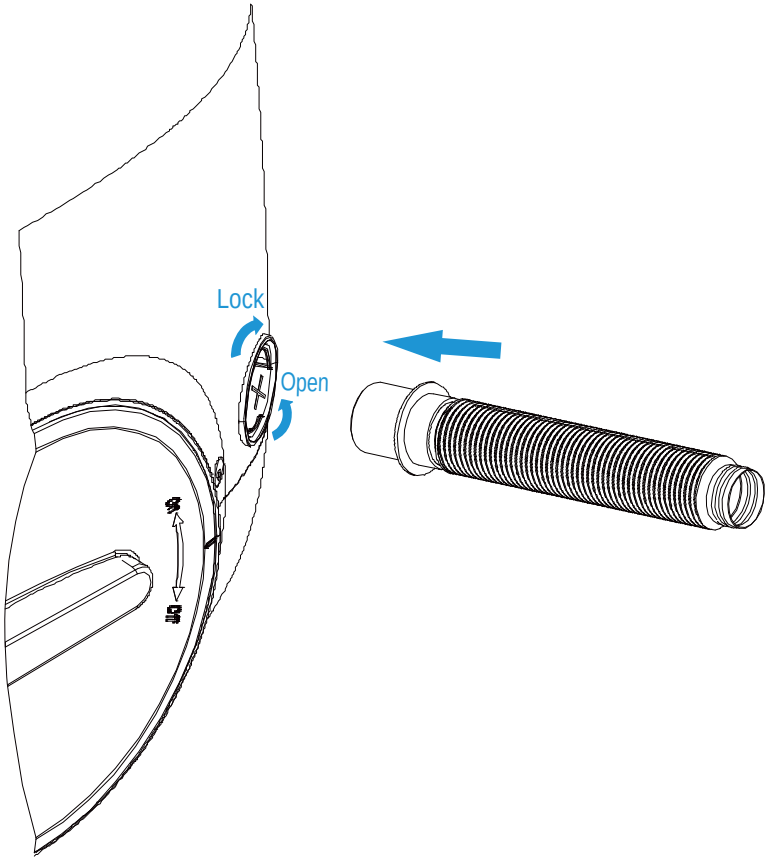
(1) Remove the rubber plug from the device's body ventilation duct interface.

(2) Align the ventilation duct's outer interface protrusion with the duct socket on the device and insert it.

(3) After inserting, rotate clockwise to lock the ventilation duct securely.

(4) Rotate the ventilation duct counterclockwise to release it from the locking position and remove the duct.

Note: If the air duct is not installed or the air duct is installed incorrectly, the exhaust deodorization system of this product will not work.



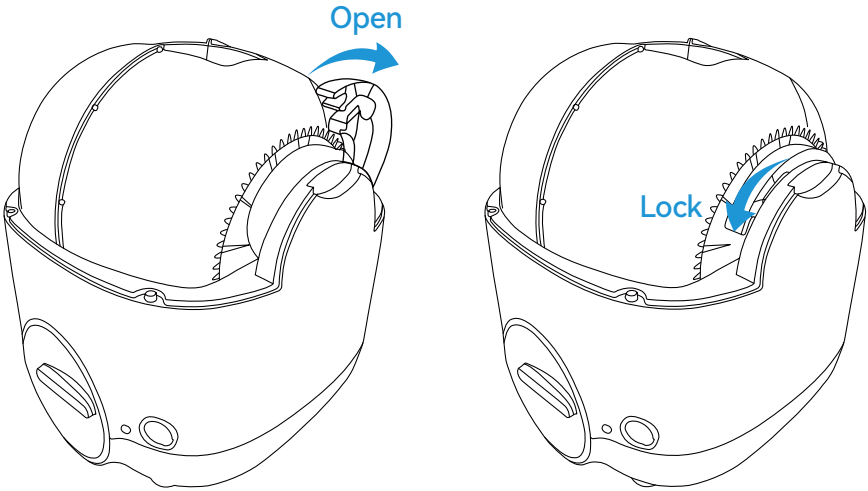
(1/6) Disassembly method for the cabin:

(1) Remove the top cover.

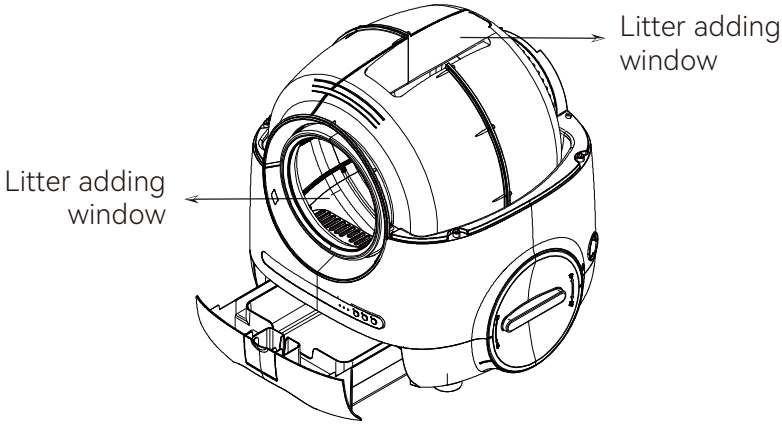
(2) Lift up the roller shaft pressure plate to remove the drum.

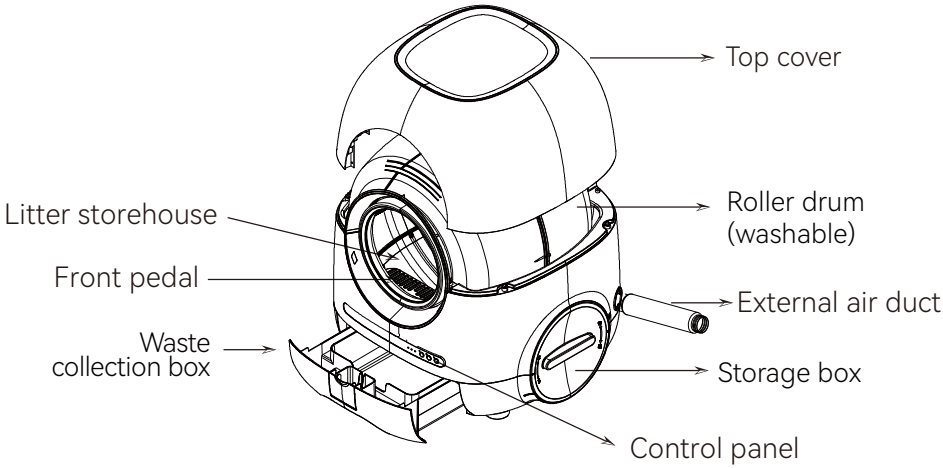
(3) Push down the roller shaft pressure plate to lock the roller in place.

Tips: The cabin of this product can be removed, it is recommended to clean the cabin once every two weeks, after cleaning the cabin, the water stains should be wiped or dried before loading into the equipment.



2. Product Components





3. Control Panel Functions

Introduction of indicator light status:

Fault indicator light

- Solid red light: Roller drum is not installed properly or senses a moving object
- Red light off: The device is functioning properly.

Waste collection box indicator light

- Solid red light: The waste collection box is full and needs to be cleaned
- Red light off: The waste collection box is not full

WIFI indicator light

- White light flashing slowly: Device is waiting for network connection
- White light flashing quickly: Device is connecting to the network
- Solid white light: Device is connected to the network
- White light off: Device disconnection

Button functions introduction:

Cleaning and child lock

- Short Press: Waste Cleaning and start odor control (green lights blink both)
- Short Press Twice: Disable child lock and red light off

Leveling and Scooping

- Short Press: Leveling the litter (light blinks)
- Long Press for 3s: Replace the litter and start odor control(green lights blink both), thedevice will dump the existing litter into the waste collection box

Odor Control and Network Reset

- Short Press: Exhaust fans ventilate and deodorize (green light blinks), short press again it will be off (green light off)
- Long Press for 3s: Resetting Wi-Fi settings of the device, entering the waiting for network connection state

Child Lock: If there is no operation on the device panel for 30 seconds, the panel buttons will automatically lock (to prevent children and pets from accidental operation). In this state, cleaning button will have a constant red light. The Child Lock can be deactivated by which the red light on the button will turn off.

4. APP Connection Method and Usage

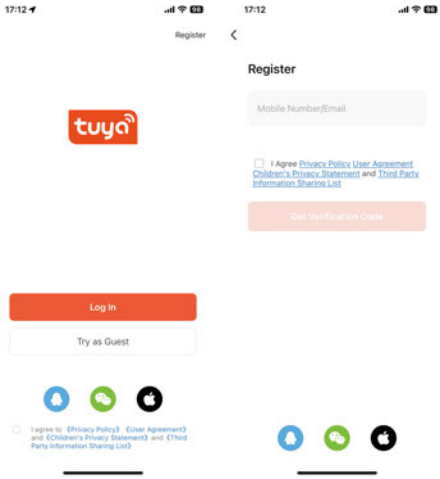
1.Install the Tuya Smart app from the app store or scan the QR code below. Follow the app instructions to complete the user registration.

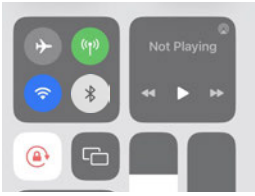
Please scan the QR code to download and install the app.

Tuya Smart
涂鸦版

Download and install the app from the app store.

2.Please enable Wi-Fi on your phone and make sure your phone is connected to Wi-Fi.



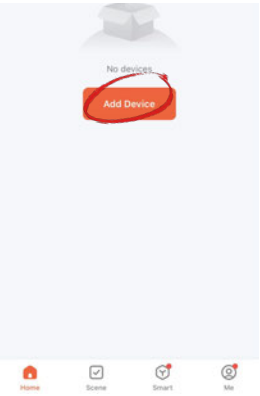


① After the installation is complete, please register an account.

② Turn on your phone and connect Wi-Fi. Then, connect power source. If the network indicator light is flashing slowly, it means it is waiting for network connection. If the indicator light is constantly on, you need to long-press the "Fresh" button to reset the network settings of the device.

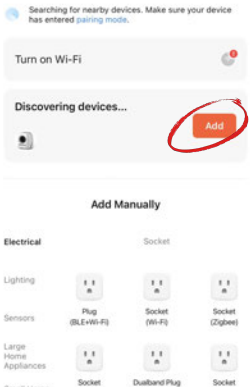
(4/1) Procedure for connecting the network:

3. Open the app and select 'Add Device' or choose automatic recognition.



Step 1

① Open the Tuya Smart app and select "Add Device"

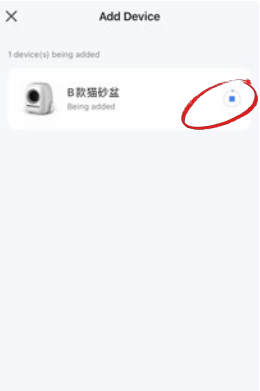


Step 2

② The device is automatically discovered via . Select "Add" to proceed

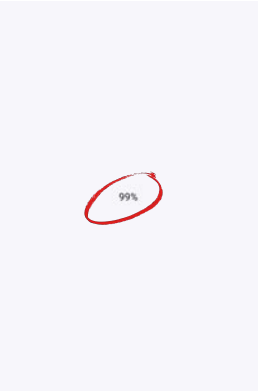
Step 3

③ Enter the correct Wi-Fi account and password



Step 4

④ Device is connecting to the network



Step 5

⑤ Device is initializing

Step 6

⑥ APP Function Page

(4/2) Solution to networking failure

4. If the network setup fails or times out, please check:

●To determine if your local Wi-Fi is working, you can check if other devices can successfully connect to and use the Wi-Fi network.

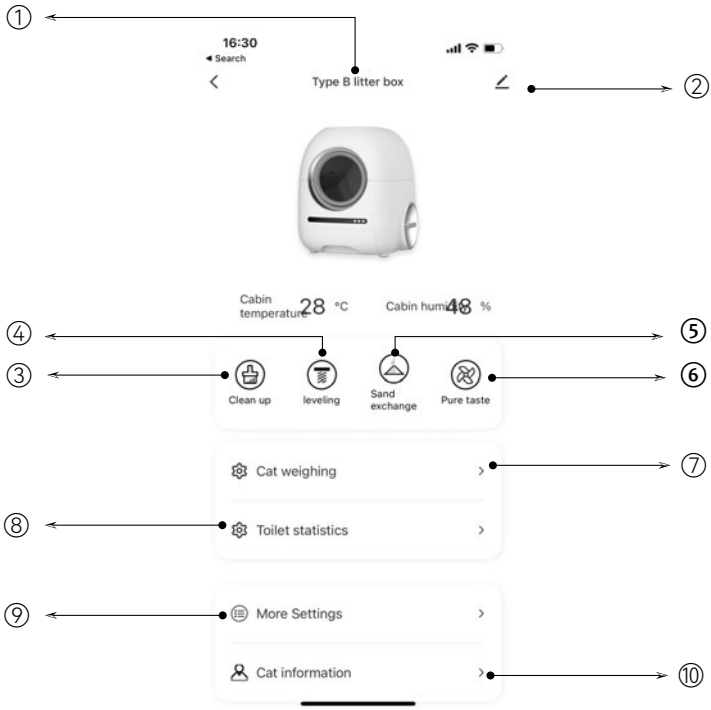
●Make sure that your phone has both Wi-Fi and enabled.

●Verify if the device is in pairing mode and if the Wi-Fi indicator on the panel is blinking. A slow blinking indicates that it is waiting to connect, while a fast blinking indicates that it is currently connecting.

●Check if there is a Wi-Fi network issue or if the network is down. Verify if other devices can connect to the network and use it properly.

●Make sure that you have entered the correct Wi-Fi account and password. Double-check the information you entered to ensure accuracy.

(4/3) APP main interface:

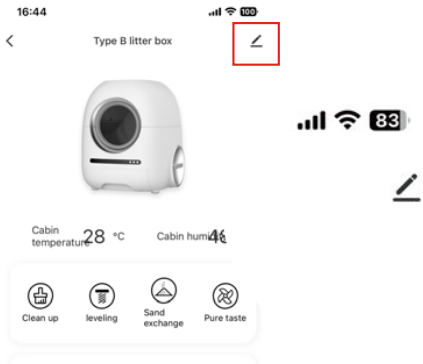


① Device Name (Customizable)
② System Settings
③ Clean
④ Level
⑤ Empty
⑥ Fresh（manual）
⑦ Cat weighing and toilet information
⑧ Toilet usage statistics
⑨ More: Device operation settings
⑩ Cat information

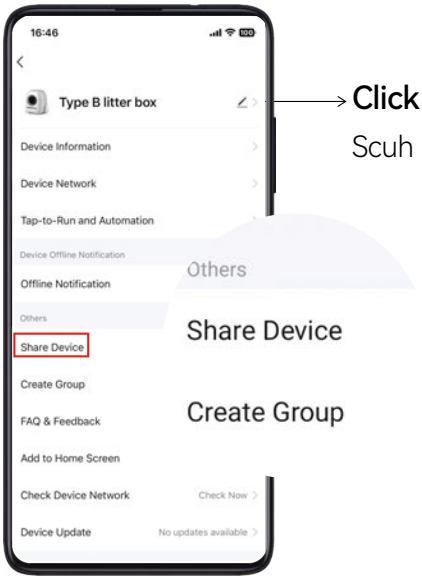
(4/4) To share the app with other users/ customize the device name:

（1） Click on "System Settings" in the upper-right corner

（2） You can customize the device name in the settings for device name. Click on "Share Device" to share the app with other users.



1 Click on "System Settings"



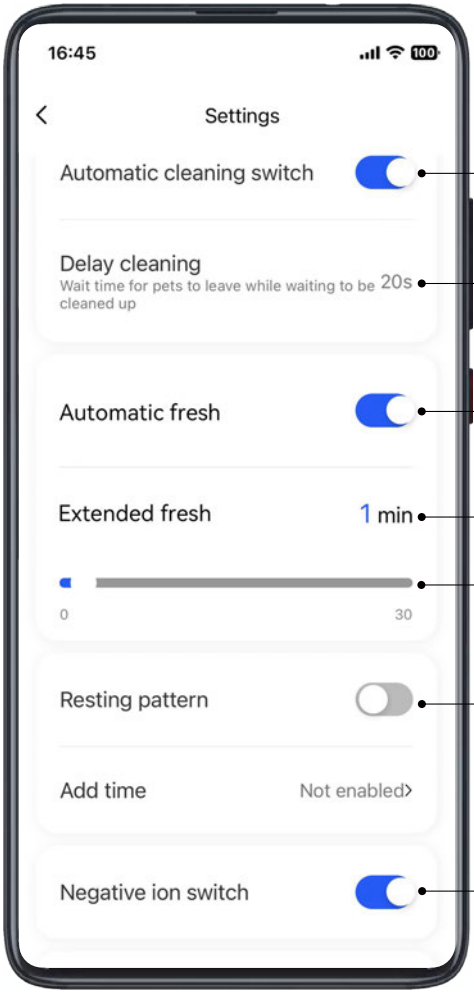
Click here to customize the device name

Scuh as XXX's toilet

2 Click here to share device

Click on "Share Device" to share the app with other users.

(4/5) More settings:



Please make sure that the "Auto Cleaning" button is turned on.

The "Delay Cleaning Time" refers to the waiting time after the pet has left the device before the device starts the cleaning process, can be set as 20/40/60 s.

After successfully installing the exhaust duct, you can activate the automatic exhaust function by turning on the "Auto Ventilation" button.

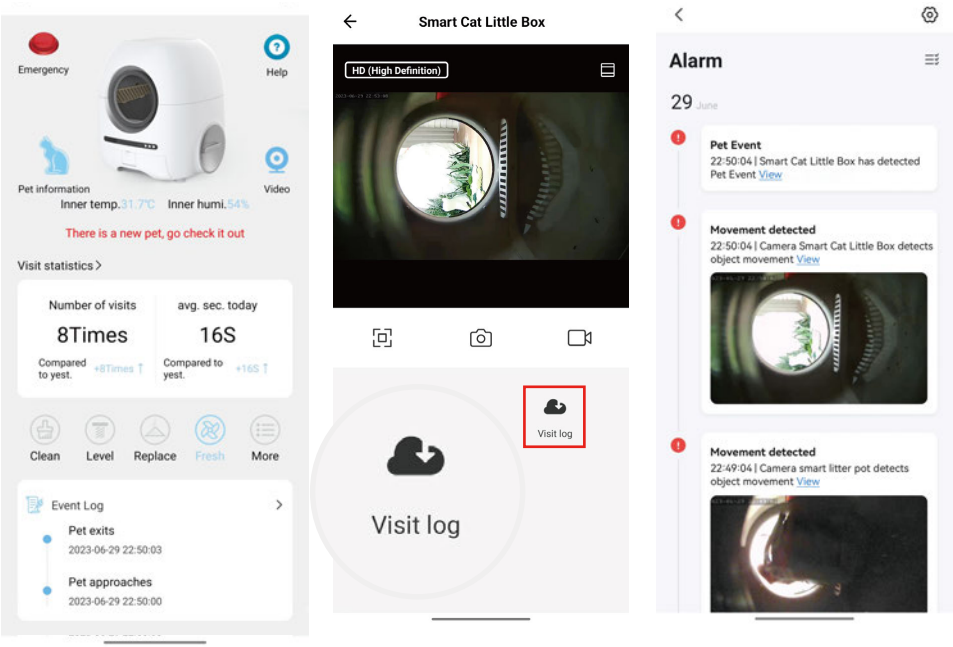
Extending the ventilation time refers to the additional duration for the exhaust system to continue removing odors after your pet has left the device. The default built-in ventilation time is set to 5 minutes by the system. If you set it to 1 minute here, the total automatic ventilation time will be 5 minutes + 1 minute.

Extended air exhaust indicates the extended time for air exhaust and deodorization, The selectable range is 0-30 minutes

Users can decide whether the device should not operate during a specific time period each day to prevent noise disturbance during sleep. When this feature is enabled, the device will not operate during the set time period.

Users can choose whether to use the negative ion disinfection and deodorization system.

(4/6) View video and document records:



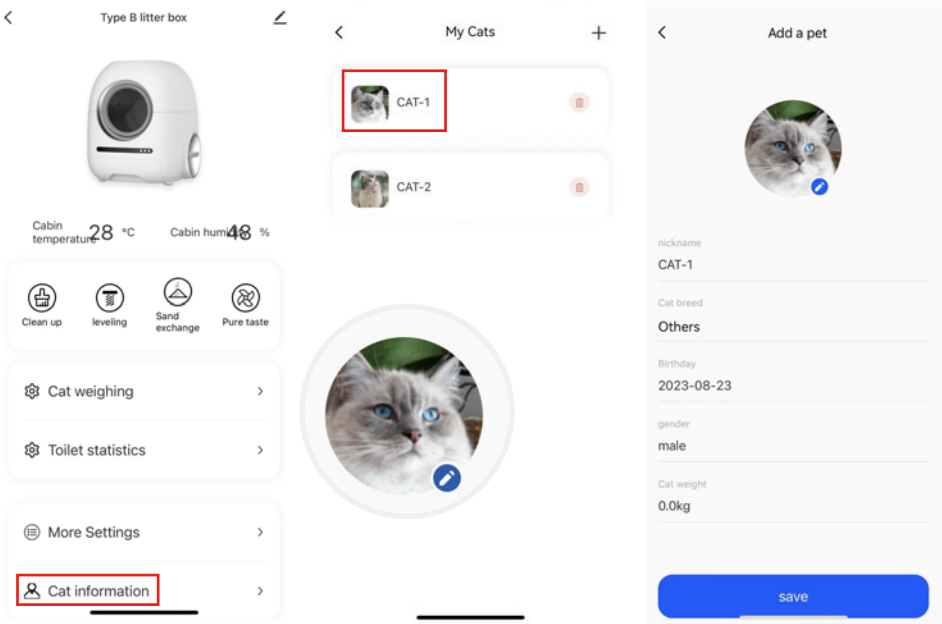
Step 1 Step 2 Step 3

Step 1: Tap the "Video" button on the main interface.

Step 2: On this interface, you can view the real-time internal status of the device, including the scene of your cat using the litter box. Click on toilet records to check the status of your pet's excrement and determine if your pet has diarrhea.

Step 3: Photos of Pet Excrement. After the pet has finished defecating and left the device, the camera will automatically take a photo of the excrement (tips: if your cat does not successfully bury its feces in the litter) for users to determine if the pet has diarrhea.

(4/7) Identification of multiple cats:



Step 1 Step 2 Step 3

Step 1: After the pet uses the toilet for the first time and successfully gained its weight by the device, the device will prompt for "There is a new pet, go check it out" .

Step 2: Click on "Cat Information" to enter the "My Cats" Page.

Step 3: Click on the pet to enter the "Pet Information" editing page, where you can add the pet's name, age, etc.

REMARKS: When the edited pet's weight changes within ± 200g or ±0.44 lbs, the device will recognize it as the same pet, and the device will automatically update the latest weight of the pet. However, if the weight difference between two pets is within ± 200g or ±0.44 lbs, the device may not be able to distinguish between two different pets, and in this case, the device may randomly allocate their toilet usage times. In addition, this product can recognize up to 3 pets.

5. Device Usage and Precautions

(1) operation process

●The pet enters the device, completes the defecation, and then leaves the device.

●The device will capture toilet information of the pet and upload it to the "Toilet Records" section in the mobile app management system.

●The exhaust deodorization system starts working and eliminates odors.

●The device starts to operate and clean the pet's excrement.

●Wait for the exhaust deodorization system to finish its work. Then, the negative ion generator starts working to disinfect and sterilize the device, as well as further eliminate odors.

●The device has finished its operation.

(2) Precautions

●Please ensure that the pet weighs more than 1kg or 2.2 pounds to prevent any risks or delays in the device's ability to clean the feces or other potential accidents.

●Please do not place objects weighing more than 10kg or 22 pounds on top of the device to avoid any malfunction of the gravity sensor.

●When you encounter situations where the device is not functioning as expected, such as the device not properly cleaning after the pet's excretion, it doesn't necessarily indicate a device malfunction. It could be due to the pet quickly entering the device, which might prevent the sensors from detecting the pet's activity. You can manually initiate a cleaning or leveling process to restore the device to normal operation.

●After manually initiating the leveling or litter replacement process, it is necessary to move away from the device at a certain distance for it to start working.

●Please add cat litter from the top of the litter bin and then put the cover back on. Then manually perform a litter leveling action.

●Please pay close attention to the waste collection box notification messages. When you notice that the waste collection box is full, please clean the feces in a timely manner. Since the waste collection box is full, the device will not operate to avoid contamination.

●If the exhaust duct is not installed or installed incorrectly, the device's exhaust deodorization system will not work.

6. Device Maintenance and Cleaning Recommendations

●Please try to keep the area around the litter box entrance clean and promptly remove any dirt or debris, such as pet hair, to prevent interference with the infrared sensors on the door or outside of the compartment.

●Please clean the feces in a timely manner to avoid the waste collection box becoming full, which could cause the device to stop operating.

●It is recommended to clean the cylinder every two weeks. After cleaning, make sure to wipe or air-dry the water stains before putting it back into the device.

●We have implemented intelligent ventilation, negative ions, and other technologies to maximize odor removal and deodorization. However, it does not mean that all odors emitted by pet waste can be completely eliminated. Therefore, it is still necessary for you to regularly clean the waste collection box and clean the cylinder to ensure a clean home environment.

7. Self-diagnostic Methods and Common Issues

●When you disconnect the power supply of the device and reconnect it, the product will go through a self-checking process. During this period, please do not press any buttons or place any objects on top of the litter bin. Please wait patiently for the self-checking process to complete.

●Activate Cleaning, Leveling, Replacing program once for each, to ensure they are working properly.

●If the ventilation system is not working properly, please ensure that the ventilation duct is properly inserted. After inserting the ventilation duct, rotate it clockwise to ensure that the sensor located near the ventilation duct is in the correct position. Manually initiate the "Fresh" function to check if the fan is working properly.

●To manually operate the control panel, you need to deactivate the "Child Lock" function. Otherwise, the control panel buttons will not respond.

●When initiating the automatic cleaning, leveling, or replacing functions of the device, it is recommended to maintain a distance of 1 meter or 3.2 feet from the device. This distance allows for the proper operation of the device and ensures pets' safety.

8. FAQ

Q: What is the maximum number of cats that the multi-cat mode can recognize?

A: It can recognize up to 3 cats weighing between 1-12kg or 2.2-26.5 pounds at most.

Q: Why does the litter box rotate automatically after power on? Why does the sensor cleaning light turn on without me making any settings?

A: Because the device performs an self-check program every time it is powered on after a power outage, and the litter box returns to its initial position. This process takes approximately 2 minutes. After the self-check is complete, the device automatically enters the cleaning mode, and the sensor light turns on. If you need to make other mode settings, you can adjust them manually.

Q: Why does the device take a long time to clean?

A: The device is designed with a special program that reduces the cleaning operation speed. This is done to lower the noise level of the device and save on cat litter usage. It takes approximately 2 minutes to complete a standard cleaning cycle. Additionally, the high curiosity of cats near the device, which interrupts the operation, can also contribute to extended cleaning time. The lower speed is beneficial for timid cats as it reduces resistance.

Q: Why does the device rotate during the cleaning process?

A: The "sand-saving rotation" and "dynamic waste collection" features are specifically designed in this product to save cat litter usage and increase the capacity of the waste collection bin. Therefore, during the cleaning process, there will be a reverse rotation and occasionally a small amount of waste may roll out of the waste collection bin. This is within the normal operation of the device, and after the cleaning is complete, all waste will be collected back into the waste collection bin.

Q: How should I choose the type of cat litter?

A: Common types of cat litter available on the market can be used.

Q: Why can't the waste enter the waste collection bin when I clean it up?

A: It could be due to the waste collection bin being blocked by improperly placed cat litter or garbage bags, or the waste being too large to pass through. Please check if the waste collection bin can open and close smoothly. It is recommended to perform a check after installing a new garbage bag. The dimensions of the waste collection bin door are 350*450mm. If there is oversized waste, it can be manually processed to a smaller size before cleaning again.

Q: Why is clean cat litter being dumped into the waste bin during cleaning?

A: Please add cat litter according to the indicated amount inside the litter box. Adding too much cat litter can cause it to exceed the capacity of the separator inside the litter box, resulting in excess litter being dumped into the waste bin, leading to litter waste.

Q: Do I need to clean the litter box by water? How often should I clean it?

A: The litter box and waste collection box can both be removed and washed with water. It is recommended to clean them approximately every two weeks to maintain a clean indoor environment and provide your pet with a clean and tidy toilet.

Q: Why is there still leftover litter in the litter box after using the litter replacement function?

A: The litter replacement function of the device is designed to pour the litter from the litter box into the waste collection bin. If the waste collection bin is already occupied by feces and doesn't have enough capacity, it may result in some litter not being successfully emptied into the bin. In such cases, you can try replacing the garbage bag and then perform the litter replacement function again.

Q: Why is my litter box unable to weigh my cat accurately?

A: If your litter box is unable to weigh your cat accurately, please click on the "Leveling" mode. The device will recalibrate when the litter is leveled, and it will measure the weight again when the cat re-enters, automatically performing weight calibration. To avoid inaccurate weighing, please place the litter box on a flat, hard surface to ensure the gravity sensor can function properly.

9. Product Disclaimers

●Please follow the instructions in the user manual carefully for the installation and use of this device.

●Please use the device indoors and avoid placing it in direct sunlight. Keep it away from any sources of heat or flames.

●Please place the device on a flat and sturdy surface, and avoid placing any objects on top of it.

●Do not drag or drop the device when moving it to avoid causing damage to the device.

●Do not use the device's sensor cleaning mode for kittens weighing less than 1kg or lactating cats.

●The main unit of this device must not be soaked or submerged in water.

●Please unplug the power cord when moving, cleaning, or if the device will not be used for an extended period of time.

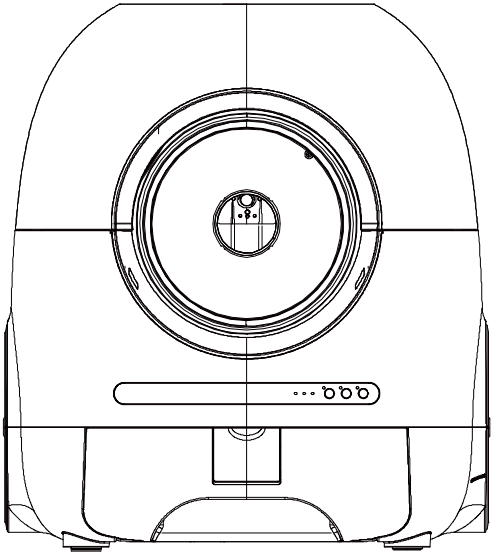
●Please use the original power adapter to avoid device damage or safety hazards.

●If children are using this device, please ensure that they are supervised by an adult.

●Please seek professional assistance for repairs to avoid any damage.

●If you encounter any issues with the product, please contact customer service for assistance.

10. Product Specifications and Parameters



Product Name: Smart Cat Litter Box

Product Model: Frank

Pet Type: Cat

Rated Power: ≤15W

Rated Voltage: DC12V

Execution Standard: GB47061-2005

Overall Dimensions: 575×552×643mm

Cabin Dimensions: 460x460x410mm

Waste container capacity: 9 L

Recommended litter capacity: 7-8 L

11. Declaration

- Dear user, thank you for choosing the Smart Cat Litter Box. Before using the product, please read this user manual carefully.
- We are not responsible for any damage, personal injury, or property loss caused by improper use of the product.
- To ensure the best user experience, the product may undergo continuous upgrades and iterations. The actual appearance and materials of the product may vary, and the images and text provided are for reference only.
- The accompanying documentation, accessories, consumables, and other related materials may vary in different batches due to product upgrades and optimizations. However, this does not affect the functionality of the product. Please refer to the actual items received. Updates will be provided without separate notification.
- The modification and interpretation rights of this user manual belong to the company.

FCC Warning Statement: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and receiver.**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co‐located for operating in conjunction with any other antenna or transmitter.