



SELF-CLEANING

CAT LITTER BOX



Instruction manual for the product



PREFACE

Thank you for purchasing the Smart Cat Litter Box. We hope to provide you with an easy and enjoyable pet-keeping experience through our technology and services. Before using this product, please read the user manual carefully to ensure the product's proper operation and safety.

To protect our customers' interests, we offer a one-year worry-free warranty. If you encounter any problems after purchase, please feel free to contact us, and we will resolve them within 24 hours. We value feedback from each customer to improve and enhance the quality of our products, allowing us to better serve everyone.

We wish you a pleasant life!

FCC warning

FCC regulatory conformance:

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: 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

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC warning

IC regulatory conformance

This device complies with CAN ICES-003 (B)/NMB-003(B) and CAN RSS-216 / CNR-216. This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme à la norme CAN ICES-003 (B)/NMB-003 (B) et CAN RSS-216 / CNR-216.

Cet appareil contient des émetteurs / récepteurs exempt (s) de licence qui sont conformes aux RSS exemptes de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes:

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux rayonnements de la IC établies pour un environnement non contrôlé. Cet équipement doit être installé et fonctionner à au moins 20cm de distance d'un radiateur ou de votre corps.

EU Declaration of Conformity (DoC)

Hereby we,

Name of manufacturer: Ningbo Chichuang Technology Co., Ltd.
Address: No. 78 Xingyan Road, Lanjiang Street, Yuyao City,
Ningbo, Zhejiang Province, China
Zip code & City: 315400 Yuyao
Country: China

declare that this DoC is issued under our sole responsibility and that this product:

Product description: Smart Cat Litter Box
Type designation(s): CATBOX-Mini-F
Trademark:

Object of the declaration (further identification of the radio equipment allowing traceability; it may include a color image for the identification of the radio equipment):

.....[Model name: CATBOX-Mini-F. The device supports BLE function. For more details, please refer to user manual. .].....

is in conformity with the relevant Union harmonization legislation:

Radio Equipment directive: **2014 / 53 / EU**

RoHS Directive: 2011/65/EU

and other Union harmonization legislation where applicable:

with reference to the following standards applied:

EC 60335-1:2010+A1:2013+A2:2016
EN 60335-1:2012+A11:2014 +A13:2017 +
A1:2019 +A14:2019+A2:2019 +A16:2023
EN 62233:2008+AC:2008
ETSI EN 301 489-1 V2.2.3(2019-11)
ETSI EN 301 489-17 V3.3.1(2024-09)
EN IEC 55014-1:2021
EN IEC 55014-2:2021
EN IEC 61000-3-2:2019+A2:2024
EN 61000-3-3:2013+A2:2021
ETSI EN 300 328 V2.2.2(2019-07)
EN IEC 62311:2020
EN 50665:2017

EU Declaration of Conformity (DoC)

The Notified Body Timco Engineering, Inc., with Notified Body number 1177 performed:

[choose applicable Modules: B+C]

Where applicable:

Description of accessories and components, including software, which allow the radio equipment to operate as intended and covered by the DoC:

Hardware Version: HM-MINI-MAIN-V2.2

Software Version: HM-MINI-V1.2

.....
Signed for and on behalf of:

Hong Kong 2025-08-27

Place and date of issue

Name, Function, signature

RF exposure information: The Maximum Permissible Exposure (MPE) level has been calculated based on a distance of 20cm between the device and the human body. To maintain compliance with RF exposure requirement, use product that maintain a 20cm distance between the device and human body.

Operation frequency(Max power)

Bluetooth: 2402-2480 (9.5dBm)

Wifi:2412MHz-2472MHz(18.5dBm)

Other warnings

This appliance can be used by children aged from 8 years and above and persons with reduced physical sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Children should be supervised to ensure that they do not play with the appliance. The appliance is only to be used with the power supply unit provided with the appliance.



:If the pins of the plug parts are damaged, the plug-in power supply shall be scrapped.

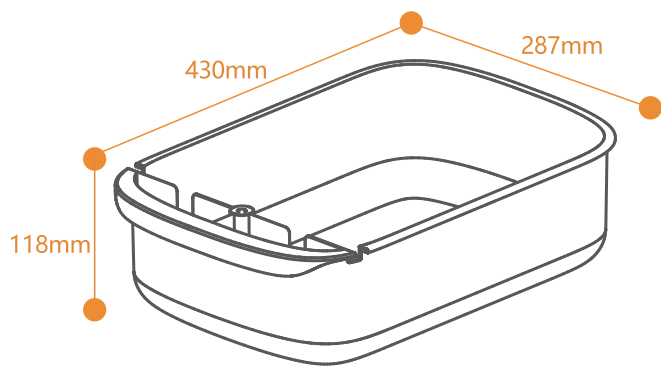
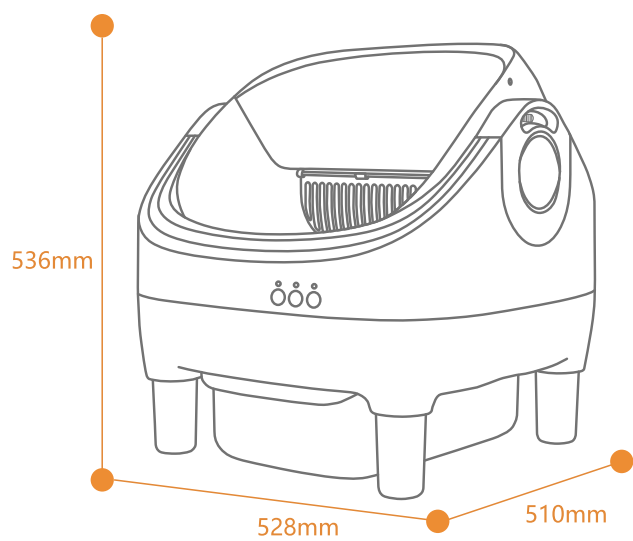


:The symbol indicates separate collection for EEE (electrical and electronic equipment). This product should not be disposed as unsorted municipal waste and should be collected separately, the return and collection systems are available to you, you're encouraged the coordination of information on the available collection points irrespective of the producers or other operators which have set them up. You play an important role in contributing to re-use recycling and other forms of recovery of WEEE (waste electrical and electronic equipment) there are bad potential effects on the environment and human health as a result of the presence of hazardous substances in EEE, contact your retailer or local authorities for more information.

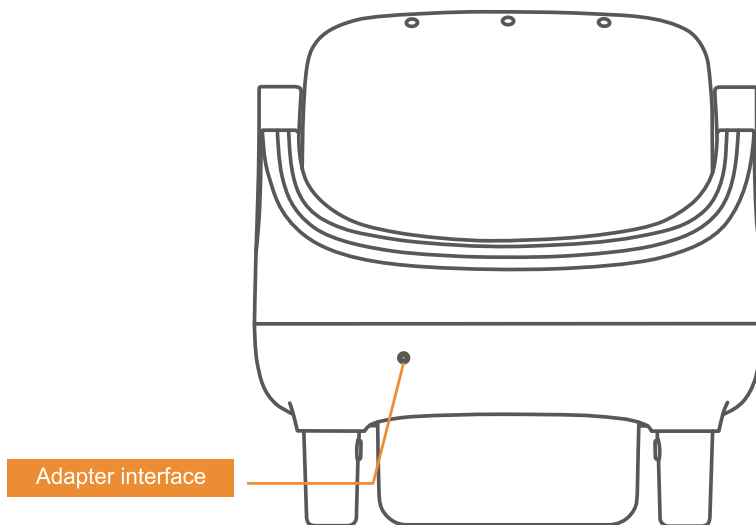
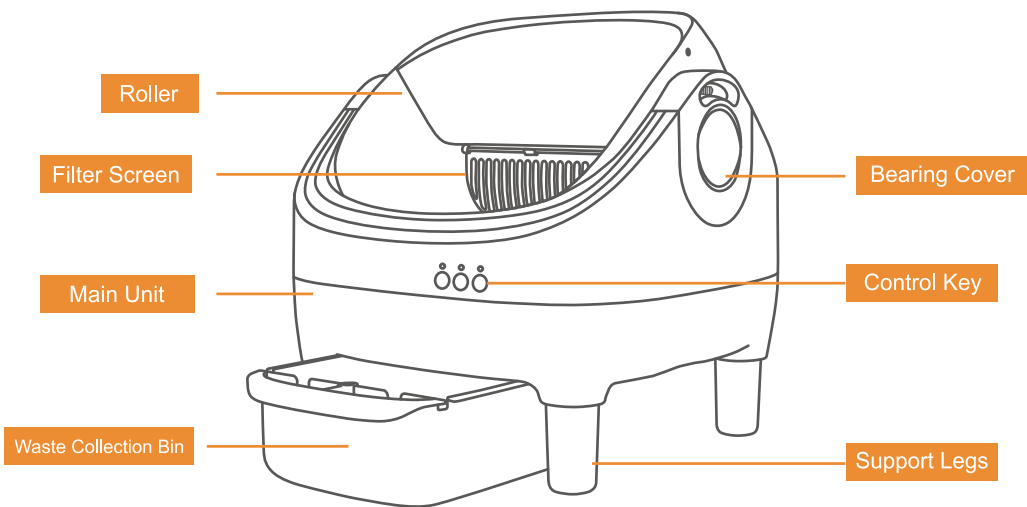
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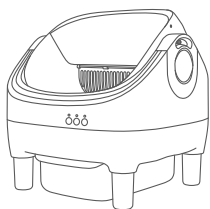
Product Dimensions



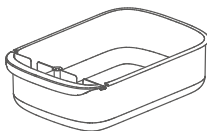
Product Overview



Package Contents



Smart Cat Litter Box × 1



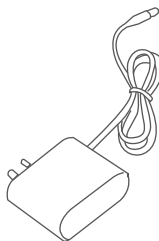
Waste Bin × 1



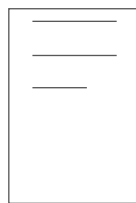
Support Legs × 4



Cat Litter Trash Bags × 1 (20 pieces)



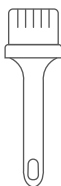
Adapter × 1



Manual × 1



Deodorant Box × 1



Brush × 1

Product Description

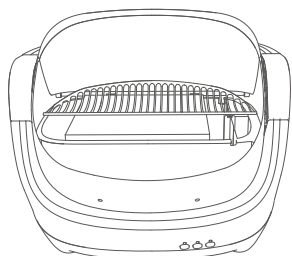
Product Model	CATBOX-Mini-F
Operating Mode	Auto/Manual
Applicable Range	Cat
Material	ABS+PP+POM
Dimensions	528×510×536mm
Net Weight	8kg
Power Supply	DC 12V/2A
WiFi Support	Frequency Range: 2.400~2.4835GHz WiFi Standard: IEEE 802.11b/g/n (Channels 1-14)
The Max RF Output power	18.1dBm
Rated Power	10W
Operating Temperature	0 ~ +50°C
Storage Temperature	-10 ~ +60°C



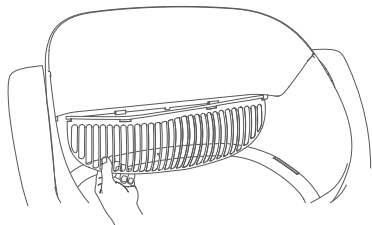
NOTE

Only Support 2.4GHz Wi-Fi

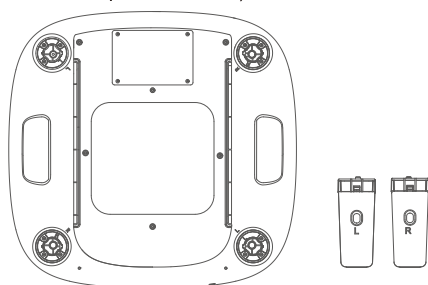
Installation Instructions



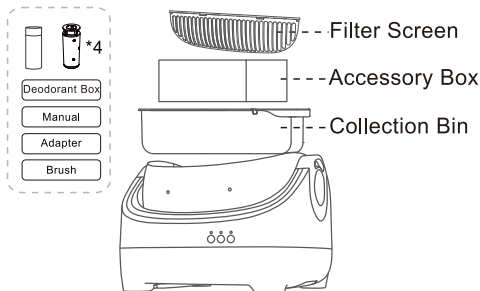
Open the package, take out the product, remove the fixing tape from the front and back sides of the machine. The product status is as shown in the above image. The collection bin is placed diagonally in the drum, the accessory box is placed inside the collection bin, and the filter screen is placed above the collection bin.



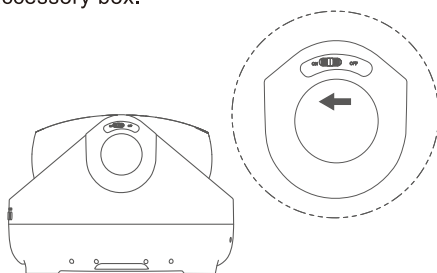
Install the filter screen at the bottom edge of the drum baffle, with the curvature of the filter screen facing inward. Insert one side into the hole of the drum baffle, slightly bend the filter screen, and insert the other side into the hole as well, while also hooking the upper hole of the filter screen onto the clip of the drum Buckle (see filter screen installation tips for details).



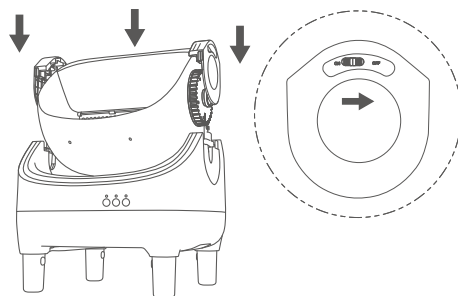
Install the support legs. Insert the four support legs directly into the installation holes on the bottom of the unit. You should hear a "click" sound when each leg is securely installed. Make sure to match each support leg to the corresponding mark on the bottom of the machine (L-L, R-R). Do not install the legs in the wrong direction. Ensure all legs are securely in place and the unit is level. Improper installation may result in the machine being unstable or malfunctioning.



Take out the filter screen, accessory box, and collection bin in order, and take out the support legs, cat litter trash bags, deodorant box, manual, adapter, and brush from the accessory box.

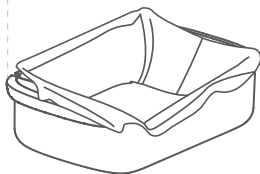


Set the locking switch on the side of the bearing cover from "OFF" to "ON" to unlock the internal lock. After unlocking, lift the bearing cover and remove it. Then lift the drum and remove the pearl cotton from the bottom of the drum.

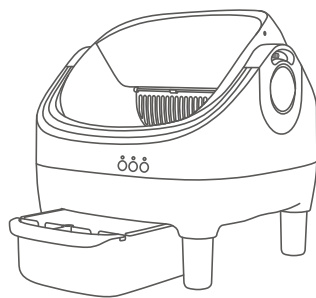


Install the roller and bearing cover. Lower the roller into place, ensuring the bearings on both sides are aligned and properly inserted into the card slots. Reattach the bearing cover, making sure both sides are securely in place. Set the lock switch on the side of the shaft cap from "ON" to "OFF" to lock the bearing cover.

Deodorant Box

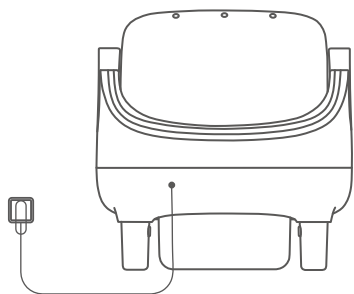


Take out a trash bag and place it over the waste collection bin at the bottom, ensuring the bag is smooth with no protrusions and the edges are facing downward. Insert the fragrance pack into the slot located at the front of the waste collection bin.

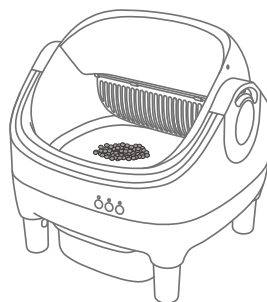


The bottom of the machine has two sliding rails. During installation, push the waste collection bin along these rails from the front entrance at the base of the machine. If the waste collection bin is not properly installed, the three indicator lights on the control panel will flash rapidly.

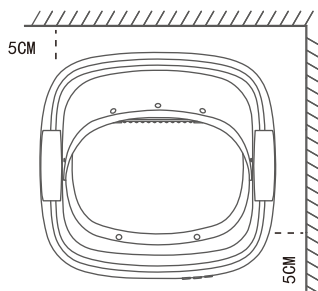
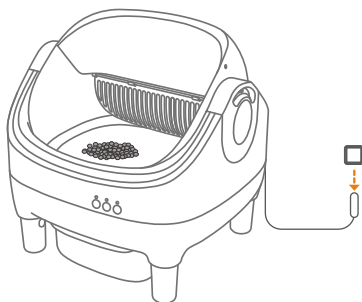
Instructions for use



Insert the DC plug of the power adapter into the DC port on the back of the machine, then plug the adapter into a power outlet to turn the unit on.



Pour the cat litter into the top opening of the litter box.



After adding the cat litter, you need to unplug the power and restart the machine or use the cleaning button  on the machine to clean once.

This smart litter box is equipped with a gravity sensor. Place it on a hard, level floor. Do not place it against a wall, and ensure there is at least **5cm** of space between the unit and the wall.



Safety Instructions

1. Always use the original power cable and adapter to avoid damage or safety risks.
2. Turn off the power before cleaning or disassembling the device. Do not immerse the base or any electrical components in water.
3. Place the product on a stable, flat surface. Do not place it on elevated areas to prevent falls.
4. Not suitable for kittens under 6 months of age. Guide your cat to use the litter box properly and prevent them from biting the power cable.
5. This smart litter box is designed for cats weighing between **3.3 lbs (1.5 kg) and 27.5 lbs (12.5 kg)**.
6. Do not add litter while the device is running.
7. Please do not place any items on top of the machine, as it may affect its normal operation!
8. Never place your hands inside the drum while the machine is operating.
9. Do not switch between cleaning and emptying modes during operation. Wait for the current cycle to complete before starting a new one.
10. Failure to follow these safety guidelines may result in injury to your pet. Please use the product as instructed.

Quick Setup Guide

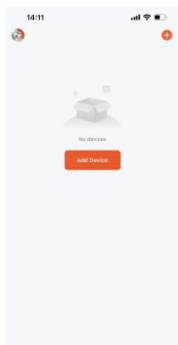


1. Scan the QR code or search for “**Tuya**” in the app store to download the app.
2. Install and register the app, then tap “Add Device” on the home screen.
3. Press and hold the network connection button on the device for 3 seconds until you hear a beep and the WiFi indicator starts blinking rapidly. The app will detect the device—tap “Add” to continue.
4. Follow the on-screen instructions in the app to complete the pairing process.

Connection Failed

1. Check that the WiFi name and password are correct. If not, re-enter and try again. If correct but still failing, restart your phone and router, then retry.
2. This device supports **(2.4GHz Wi-Fi only)**. Please make sure your router is set to 2.4GHz.
3. Move the device closer to the router, power it off and on, or try using a different phone to reconnect.

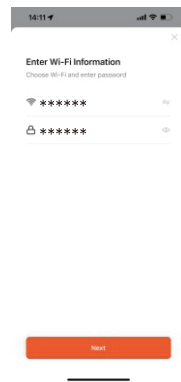
Connection Steps



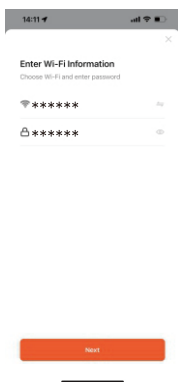
1.Click “Add Device”



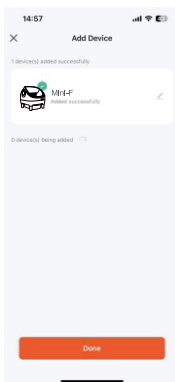
2.Click”Add”



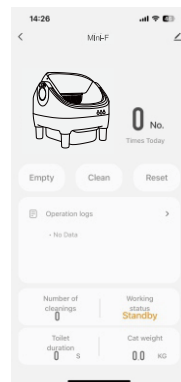
3.Enter the WiFi name and password



4.Next

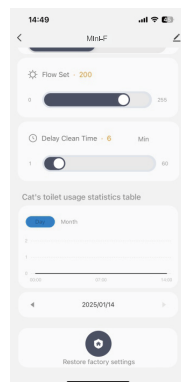
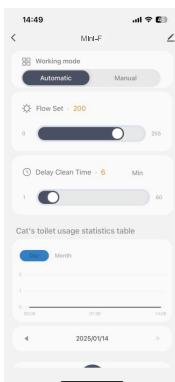
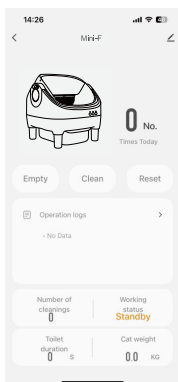


5.Click “Done”

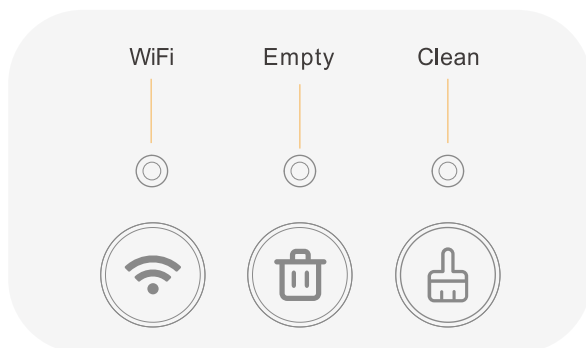


6.Main page

Mobile APP Function Interface



Button and Indicator Light Description



Indicator Lights

- WiFi Light
 - Solid On: Connected to the network
 - Slow Blinking: Not connected
 - Fast Blinking: Entering network setup mode
- Clean Light
 - Solid On: Cleaning in progress
 - Blinking: Cleaning paused
- Empty Light
 - Solid On: Emptying in progress
 - Blinking: Emptying paused
- Empty & Clean Lights Blinking Quickly
 - Reset process paused
- Wi-Fi, Empty, & Clean Lights Blinking Quickly
 - System error, possible causes include the waste drawer not being properly installed or the roller failing to reset.

Button



Connect to WiFi: Press and hold for 3 seconds until you hear a beep. The Wi-Fi light will start blinking quickly, indicating the litter box is ready to connect to the mobile app.



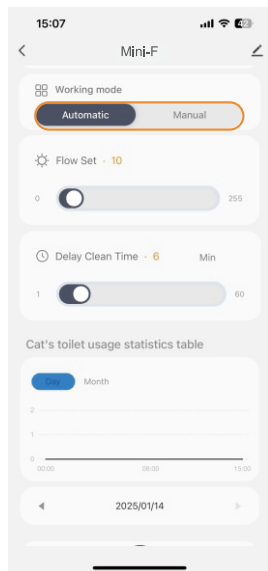
Start Emptying: Press and hold for 3 seconds until you hear a beep. The Empty light will turn on, and the litter box will enter the emptying mode.



Start Cleaning: Press and hold for 1 second until you hear a beep. The Clean light will turn on, and the litter box will enter the cleaning mode.

Operating Modes

A Automatic Mode



1. The smart cat litter box is set to automatic mode by default at the factory, even if the network has not been configured.
2. In automatic mode, the device performs auto-cleaning and features automatic pet detection and safety protection.
3. If an issue occurs during automatic cleaning, you can press the pause button on the device to stop the cycle.
4. In the event of a malfunction, the app will send a notification and alert you to take action.
5. If you set a delayed cleaning time manually, the device will clean automatically after detecting that your cat has exited the litter box.
6. It is recommended to set the delay to around 6 minutes to allow the litter to fully clump before cleaning begins.

B Manual Mode

1. You can switch to manual mode through the app.
2. In manual mode, the device will continue to monitor activity but will not clean automatically. You can start a cleaning cycle manually by pressing the clean button on the control panel or via the app.
3. Manual mode is recommended for users who prefer to manage cleaning themselves or for cats whose weight does not meet the required threshold for automatic detection.

Protection Mechanism

The smart cat litter box is equipped with a fully automatic safety system designed to prevent injury to your cat. The type of protection triggered will vary depending on the current operating state of the device.

Working Status	Roller Gravuty	Infrared Waste Bin	Anti-Pinch
Cleaning	Supported	Supported	Supported
Emptying	Supported	Not Supported	Supported
Reset	Supported	Supported	Supported

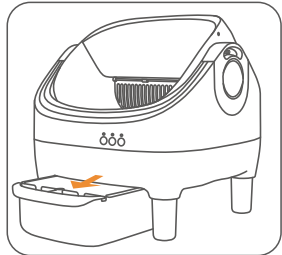
Cleaning and Maintenance

- The waste bin, drum, and fabric soft bin of the smart cat litter box are all washable. Before disassembling any parts, disconnect the power and make sure to remove any debris from the components you intend to clean.

1 Waste Bin Cleaning

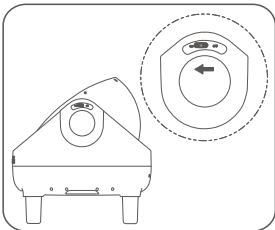


Click the clear button on the panel or in the app, and the cat litter will fall entirely from the drum into the trash bag in the Waste Collection Bin.



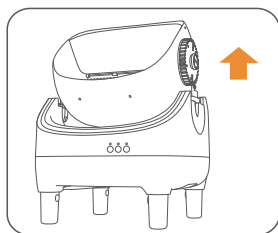
Once the litter has emptied, pull out the waste bin and clean it thoroughly as needed.

2 Drum Cleaning



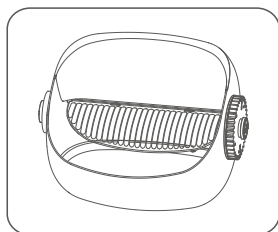
Slide the locking switch on the side of the bearing cover from “OFF” to “ON” to unlock the internal locking mechanism. Once unlocked, lift the bearing cover upward and remove it.

Cleaning and Maintenance



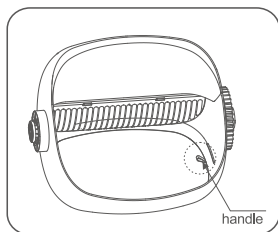
Gently lift the drum to take it out for cleaning.

3 Filter screen disassembly and cleaning



Lift the active filter upward, remove the two center clips, then pull out the side latches to complete disassembly. The removable filter can be washed directly with water.

4 Cleaning and washing of fabric soft pots



Grip the handle to pull out the soft cloth basin. Once removed, it can be rinsed directly with water. Be sure to dry thoroughly before reinstalling.

Notice:

- Use water or a regular household cleaner. Do not use corrosive cleaners.
- After cleaning, dry all parts thoroughly and allow any residual moisture to air dry before reassembly.
- Ensure all components are securely and correctly installed before operating the device. Improper assembly may result in malfunction.

Troubleshooting

Problem	Solution
No Response After Powering on	Check if the power supply is connected properly.
Network Setup Failure	• Verify your Wi-Fi name and password. • This device only supports 2.4 GHz—make sure your router is set accordingly.
Litter Box Won't Self-Clean	• Switch the machine to automatic mode. • After adding litter, reset the box in the app or press the Clean button. • Power off the device and restart.
Roller Keeps Rotating	Reinstall the roller, ensuring it snaps fully into place. Then reset the box in the app.
Anti-Pinch Function is Triggered Abnormally During Operation	• Check if the garbage bag is smoothed out. • Remove the roller and check if the infrared sensor above the litter box is obstructed.
Three Lights Flashing Rapidly	• Check if the waste container and roller are seated correctly. • If they are, unplug the device for 10 seconds, then plug it back in.
App Weight Differs from Actual	The app displays the cat's weight, which is only used for machine recognition of the cat's activities. The displayed weight is for reference only. There may be some discrepancy between the actual weight and the displayed weight.

FAQ

Q

Can this smart cat litter box use any kind of cat litter?

A

The smart cat litter box is suitable for clumping cat litter, such as mixed litter, bentonite litter, sodium-based mineral litter, tofu litter, etc. We strongly recommend using clumping cat litter (large-particle pine litter and crystal litter are not suitable), as this will allow the smart litter box to clean more effectively.

Q

Can this litter box completely eliminate odors?

A

It is impossible to completely eliminate odors. However, because the cat's waste is promptly cleaned into the drawer's cat litter bag, it helps contain the odor, significantly reducing the smell emitted from the smart cat litter box.

Q

Will clean litter and clumped litter be removed together?

A

If you add too much litter, clean litter and clumped litter may be removed together. Reducing the amount of litter will help avoid this issue.

Q

What if my cat doesn't enter the smart litter box?

A

Our smart litter box is simple and user-friendly, so there's no need to worry. In such cases, most cats will adapt to the new litter box within a month. You can also place your cat's favorite toys inside the litter box to help them become familiar with the environment. Spend a few minutes each time teaching your cat how to use it. We believe your cat is smart and will quickly learn and adapt.

Warranty Card

Activate your product warranty card immediately.

Name

Name

Email address

Email address

Purchase order number

Purchase order number

Problem description

Problem description



