

LavvieBot S Manual

※ LavvieBot S is a new type of home appliance that has not been introduced to the market before. Therefore, users of this product must read the entire manual and follow instructions accordingly.

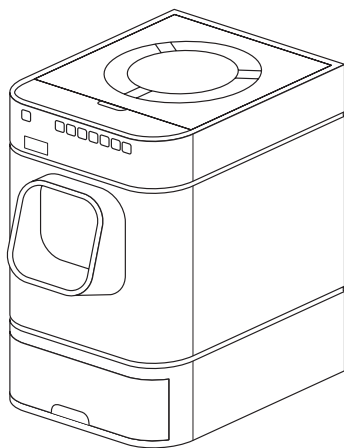
- This manual contains important information about the product. Please keep it where you or other users can read at any time.

- LavvieBot S is for household use and is not for commercial use. If used as commercial use, a seller of this product cannot guarantee both repair and warranty.

※ Automatic Litter Box does NOT mean **"You Don't Have To Do Anything"**

- This product automatically "scoops out solid waste of cats".

- There is no automatic litter box that does not require owners' maintenance and care such as cleaning and removing the scooped wastes and clumps.



- A seller of LavvieBot S is NOT responsible for any functional error due to users using incorrect cat litter types or poor quality litter.

- There may be changes of an exterior, a button control, or product features of a product without notice.

Maximum 2 cats for one single LavvieBot S

LavvieBot S is designed for 1 to 2 cats use only. The product may not perform auto cleaning properly and cause a serious contamination. Such condition may significantly shorten its lifespan or cause frequent malfunction.

Do not blindly trust the safety measure

LavvieBot S will automatically halt its operation if a cat comes close to itself. However, this function does not guarantee zero accident. Please do not blindly trust the safety measure and always be cautious while using it.

Weight error may occur

The product measures weight of a cat to recognize "which cat is using the product". However, it cannot distinguish two (or more) cats with similar weights. There is a IoT tracker called "LavvieTAG" and it helps LavvieBot S distinguish among cats who used it.

※ For accuracy, weights of cats need to be differed by at least 0.7kg or 1.5lb.

Please clean the product frequently

Please regularly remove clumps remained in the litter tray. Too many clumps and stuck wastes may cause odor and malfunction of a product. Contamination causes most of the malfunction errors of LavvieBot S. Please wash and fully dry a litter tray, a separator and other removable parts every 3-4 weeks.

Please prepare an extra litter box during repair process

LavvieBot S is a machine that may need a repair. Please prepare another litter box for your cat to use while the product is sent out for repair.

Do not force cats to use the product

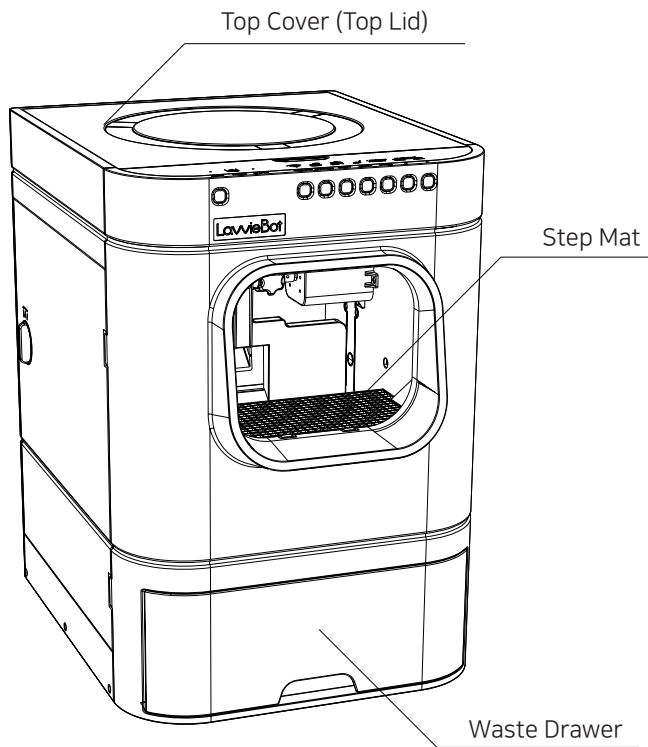
LavvieBot S is different from other litter boxes for its shape and size. Your cat may be interested in it or nervous at the same time. Please do not put your cat inside the product against their will.

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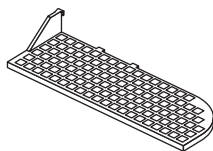
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Components

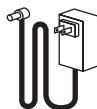
Exterior



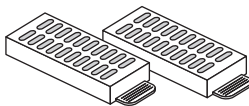
Following accessories are inside a Waste Drawer



Step Mat
1EA



Power Adapter
1EA

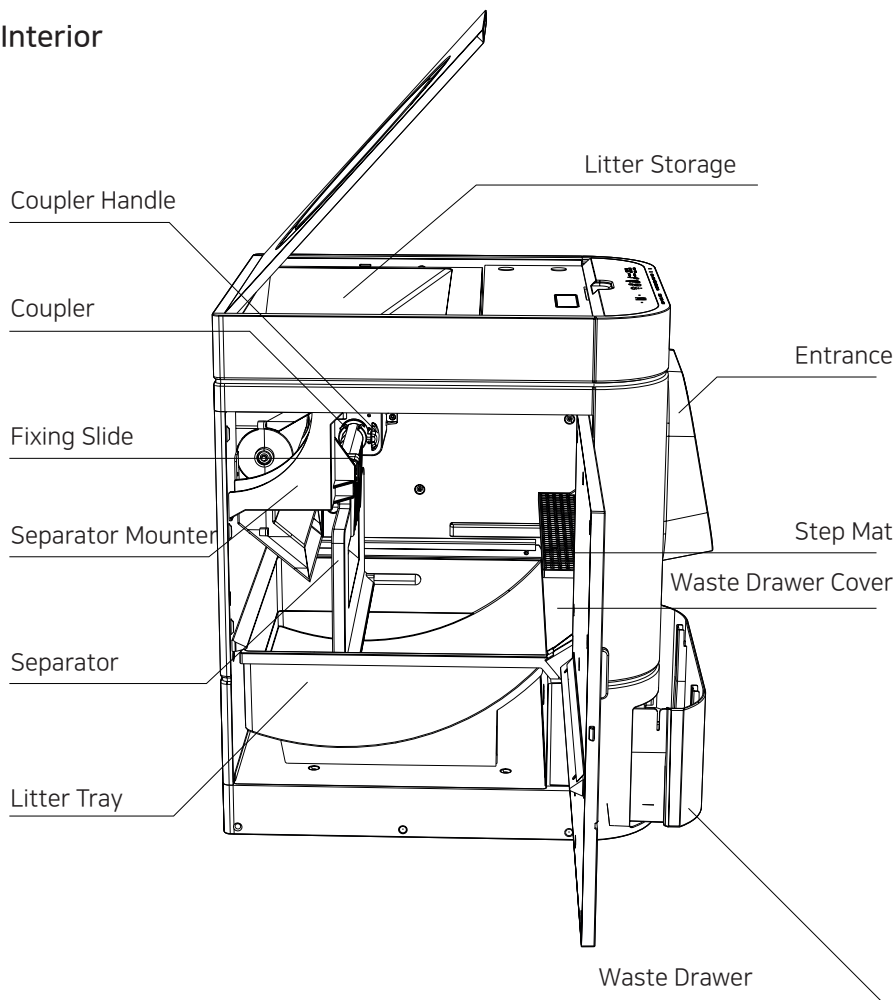


Deodorizer
2 EA (1 Set)



Waste Bag
10 EA

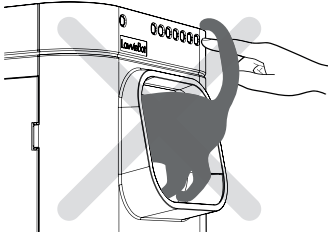
Interior



Please contact the seller or PurrSong immediately if you find any damaged part (cracked or broken parts) upon arrival.

- Please contact a seller you purchased from for defective product or parts.
- Please contact a seller you purchased from for return or refund.

Warning and Precautions for Safety



ex) Pellets, Silica gel, etc



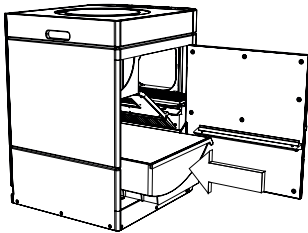
ex) Bentonite, Natural litters



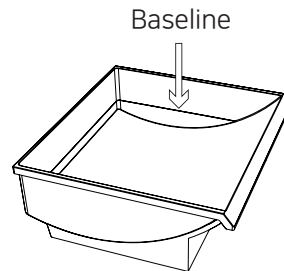
ex) lightweight bentonite, wheat natural litter

Make sure your cat is not inside the machine when operating. Any LavvieBot operation with your cat inside can cause serious safety hazards.

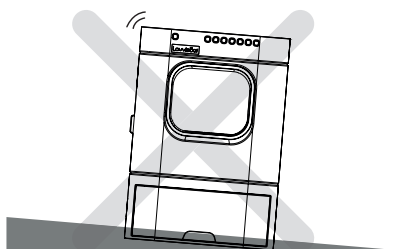
LavvieBot is designed to use only clumping litter of medium-sized particles. Using weak clumping litter or natural litter with long or excessively big particles can damage the machine and shorten its lifespan. Using an incorrect litter to the machine may cause motor overload problem and stuck wastes.



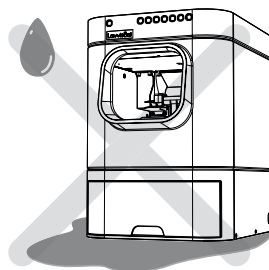
Put the litter tray all the way into its location to avoid malfunction or any damage to a machine.



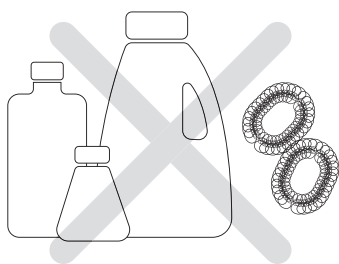
We recommend you to check a baseline of a litter tray frequently. If the litter is too much or less than the litter level, it may cause an operational failure. When adding litter manually, fill the tray until it reaches this line and spread flat.



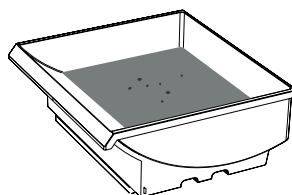
The LavvieBot should be placed on a firm and flat level floor. Placing the LavvieBot on uneven or unstable surfaces can result in malfunction or damage to the machine.



Handle the LavvieBot with care. Cleaning the product with water is prohibited as the machine consists of metal as and electronic components. Be careful not to keep it near wet/humid area such as bath, shower, and sink. Please avoid direct sunlight and protect it from mist, rainy, snowy, and foggy weather.

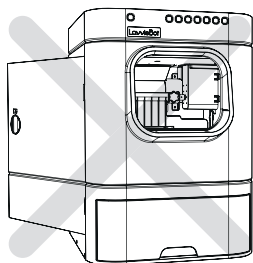


Refer to page 30 in this manual for LavvieBot cleaning. Cleaning the product with scouring pads or abrasive chemicals can cause damage to the product.

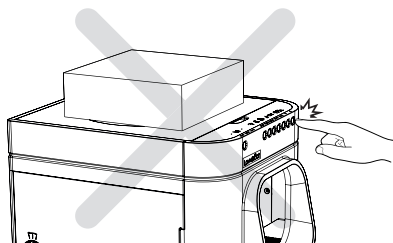


Small clumps smaller than a rake's gap cannot be scooped, thus wash the litter tray with water and fill with new litter every 3 to 4 weeks regularly for your cat's health and a hygienic environment. Otherwise, it can result in malfunction or damage to a machine.

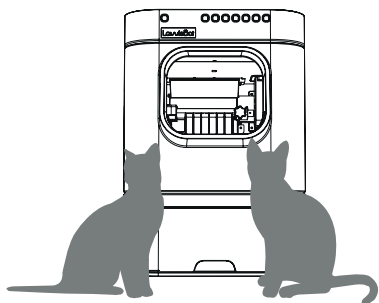
Warning and Precautions for Safety



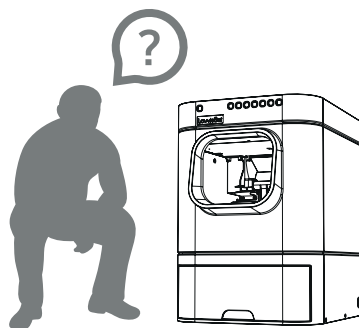
Safety sensors are located at the entrance. Always keep the side door closed, except when cleaning. Leaving the door open or opening during operation can lead to serious safety consequences.



Do not put pressure on LavvieBot by placing heavy objects on top of the machine or applying excessive force to the buttons, which can result in damage.



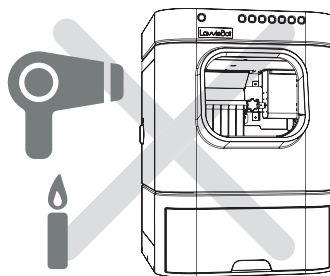
We recommend one or two cats maximum for a single LavvieBot. When more than two cats use one LavvieBot, the life and performance of this machine cannot be guaranteed.



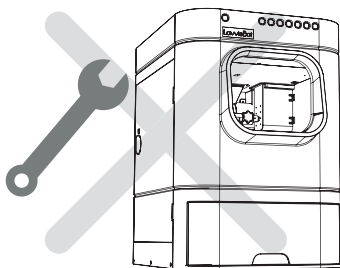
The use of LavvieBot requires supervision. It is not intended for use by a person with restricted physical, sensory, mental capacity, or lack of experience and knowledge unless they are supervised.



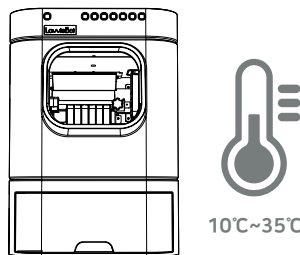
Never let an infant or a child go inside LavvieBot.



Do not try to dry the machine using a hairdryer and putting a candle inside to remove bad odors. These attempts can cause electric shock, a fire, or damage to the product.

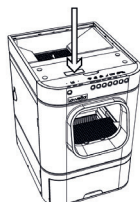
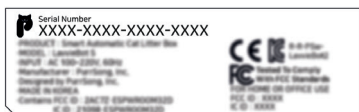


If a product error occurs, do not repair the machine yourself. Contact Customer Service for repair.

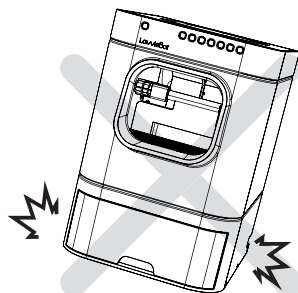


LavvieBot and its accessories are designed to be used indoors. Please place the machine where the temperature is between 10°C and 35°C. If the temperature is below or above this range, the performance of the LavvieBot cannot be guaranteed.

Warning and Precautions for Safety



You must detach the serial number label sticker before discarding the product. You may find this sticker by opening the top cover.



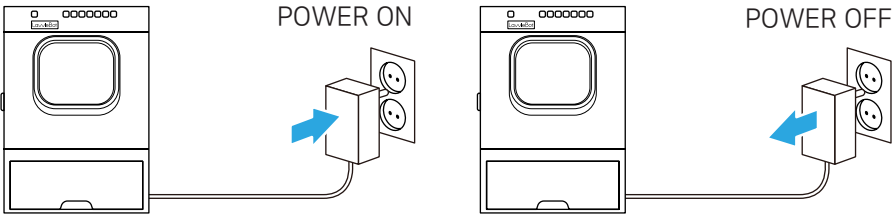
Please visit [www.purrsong.com] for product details. LavvieBot S warranty does not cover defects or malfunction caused by misuse, improper maintenance, and failure to follow operation instructions in this manual.

- LavvieBot S is an automatic cat litter box. Please use it for product purpose only.
- This product is for household use and indoors only. It is NOT for commercial use.
- If you have to leave your home for a long time for travel or other reasons, do not depend on the product only. Please use pet hotels or ask your friends or families to look after your cat.
- Please follow directions or supervision of someone who understands how to use this product safely and avoid its risk when using. It is not intended for a person with restricted physical, sensory, mental capacity, or lack of experience and knowledge unless they are supervised.
- Please keep children from playing around or with it. Children must never be allowed to operate or clean this product unless they are supervised.
- Do not touch the power adapter or this product with wet hands.

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- Do not use or store this product in a humid place or near water like outdoors or bathroom.
 - If this product is damaged, left outside, accidentally watered or soaked, do not use it and contact customer service for assistance.
 - Do not poke or touch a separator and a litter storage during operation.
 - Do not disassemble this product yourself. It may cause an electrical shock or fire if assembled in a wrong way.
 - Do not use this product if a power adapter or its cable is damaged.
 - Do not put any heavy object on the power cable or pull it abruptly. If the product's cord is stuck in a door gap, please leave the door open. Do not pull the power cord when surrounded by sharp objects.
 - We do not recommend using of an extension lead or a power strip. Please avoid using with multi-outlets.
 - Please unplug a power adapter if you don't use the product for a long time or when you are cleaning or doing any maintenance work.
 - Please avoid fire or heat when using or storing this product.
 - Please clean this product every 3-4 weeks regularly to avoid any malfunction error of a product. Although it performs automatic operations, it still needs your maintenance work.
 - Using poor quality or round-shaped type of clumping clay (benotonite) litter may not form fast and strong clump causing stuck waste issue which lead to motor overload problem and more.
 - Keeping clumps and wastes collected in a waste drawer for a long time may cause a bad smell and mold. Please empty it frequently or add baking soda to a litter tray and a waste drawer to prevent any bad odor.
 - If you assemble the removable parts incorrectly, it may cause malfunction or damage to the product.

Indicator Lights and Button Functions

1. Plug in the power adapter to turn on the unit.
2. Unplug the power adapter to turn off.



- Reset Button for system reset due to abnormality

RESET	Button Operation	Status
	Short press	System Reset for motor overload, auto-clean wait mode, or when [STATUS] is solid blue
	Long press (more than 2 secs)	System Reboot (previously registered router will not be reset)

* If [RESET] is solid blue and [STATUS] is solid red, there may be an issue with a power adapter



Waste Drawer Status

- Light on when a waste drawer is half full
- Light blinks when a waste drawer is full

- LavvieBot S Status

STATUS	Following lights show a status of LavvieBot S	
	Light	Status
	Green	A cat or a person is near LavvieBot S
	Blue	A cat is in a litter tray inside LavvieBot S
	Red	An error including main motor overload occurred. *In this case, check your litter tray whether it needs cleaning or has too much litter in it.
	Blue&Red (blink alternatively)	Main motor error occurred.



Wi-Fi / BLE

LavvieBot S connects to PurrSong application through Wi-Fi and BLE(Bluetooth) enables registration of a machine and firmware update. (Only available with 2.4GHz, does NOT support 5GHz)

Button Operation	Light	Status
Short press	Blinking Blue	Wi-Fi on and ready to connect
	Solid Blue	Loading for Wi-Fi connection
Long press (more than 2 secs)	Blinking Green	BLE on and ready to connect
	Solid Green	Loading for BLE connection



SEPARATE

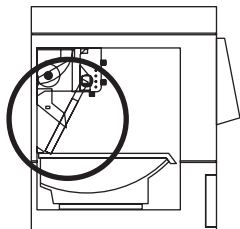
Disassemble Parts for Cleaning

The [SEPARATE] button is used to detach inside parts to clean LavvieBot S.

- Litter Tray SEPARATE Mode:** Press the [SEPARATE] button once and the [SEPARATE] LED will turn blue. You can see the separator being lifted toward the entrance. You can only remove the litter tray during this mode.
- Separator SEPARATE Mode:** Press and hold the [SEPARATE] button more than 2 seconds and the [SEPARATE] LED will turn red. Then, the separator will place itself perpendicular to the ground. You can only remove the separator during this mode.

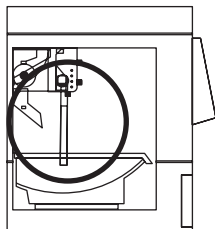
* You can stop/cancel the motion of a separator by pressing the [SEPARATE] button one more time.

SEPARATE Modes



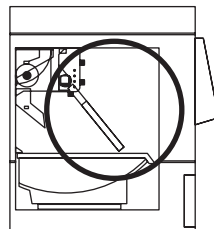
Basic Mode

Auto-Refill operates during this mode



Separator SEPARATE Mode

To detach a separator



Litter Tray SEPARATE Mode

To detach a litter tray; to release all the litter from a litter storage

Indicator Lights and Button Functions



Litter Storage Status & Auto-Refill

[STORAGE] LED displays the status of a litter storage.

Light	Status
Solid Blue	Litter storage is full
No light	Litter storage has enough litter
Blinking Red	Litter storage has no litter or just a little bit
Blinking Red on both[STORAGE] and [STATUS]	Litter stoage has enough litter, but no auto-clean has performed

[STORAGE] button is for dispensing litter from a litter storage.

Button operation	LED	Status
Short press	Blinking Blue	Litter storage dispenses litter * Litter won't come out if litter tray is already filled up to its (pre-set) litter level.
Long press (press and hold the button until the litter begins to drop)	Blinking Blue	As the litter falls from the top, the litter will keep dropping while pressing the button. Release the button to stop. * It will continue to refill until it fills the maximum weight/amount. Bentonite litter's max. weight: 5kg Natural litter's max. weight: 3kg
Press [RESET] and [STORAGE] buttons at once during Litter Tray SEPARATE mode	Red and blue lights blink alternately	It releases all the litter from a litter storage. * Press any button to stop/cancel the operation.



Manual Scooping

- When pressing the [SCOOP] button, the indicator light will blink and the separator will start sifting the clupms to the waste drawer. Press the [SCOOP] button to begin scooping immediately. Please wait until the clumps get solidified enough so that it won't stick to the separator. Note that a separator may create little clumps smaller than its rake's gap
- Press the [SCOOP] button again to stop the separator's motion during operation.

- **BENTONITE**
- **NATURAL**

Litter Type

LITTER

- Choose the type of cat litter that you will use for LavvieBot S by pressing the [LITTER] button. Select BENTONITE when using bentonite cat litter and NATURAL for natural litters made of tofu, corn or other botanical materials.
- Press and hold the [LITTER] button to set a litter level of the litter tray. LavvieBot S will keep that litter level when refilling litter automatically.

- The actual litter you use for LavvieBot S must match the the litter type. Selecting an incorrect litter type may cause a severe technical problem.

BENTONITE	NATURAL
Clumping clay litter made of ore, grey color with stone texture	Clumping litter made of tofu, corn or other botanical ingridients
WARNING! DO NOT USE: 1. White-colored clumping clay litter 2. Lightweight clumping clay litter 3. Poor quality cat litter These litters have weak clumping, dusty little clumps and weak absorption which create stuck wastes easily. We recommend Lavvie Sand (premium bentonite litter) which is the most compatiable litter with LavvieBot S.	WARNING! DO NOT USE: 1. Lightweight litter made of wheat 2. Long or oval-shaped particles 3. Too tiny-sized particles Some litter brands may cause stuck wastes and little clumps.



Wait Time

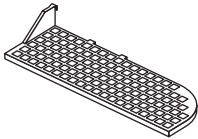
The Wait Time is the time between a cat's exit of LavvieBot and beginning of auto-cleaning. We recommend setting 10 minutes when BENTONITE litter is used.

- * Set the length of wait time by pressing ▼ and ▲ buttons.

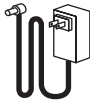
5 Steps Before Power On

1. Accessories

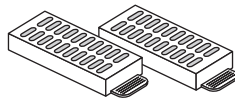
Following accessories can be found in a waste drawer.



Step Mat
1EA



Power Adapter
1EA



Deodorizer
2 EA (1 Set)



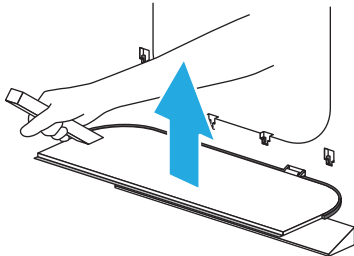
Waste Bag
10 EA

2. Deodorizers

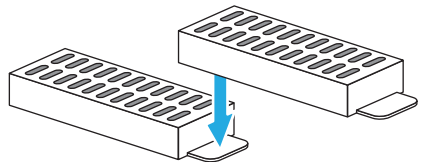
Replace used deodorizers with new ones for every two months.

Do not eat the block inside the deodorizer.

1. Detach the waste drawer cover by grabbing the bar and pulling it upward.

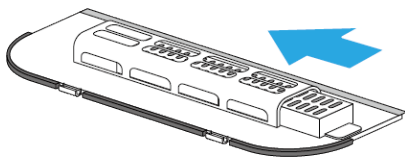


2. Connect the two deodorizers to one another as shown below.



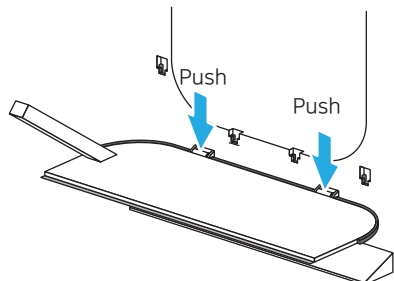
3. Insert the connected deodorizer set to the cartridge under the waste drawer cover.

* Please note that the deodorizer set should be facing the bottom.



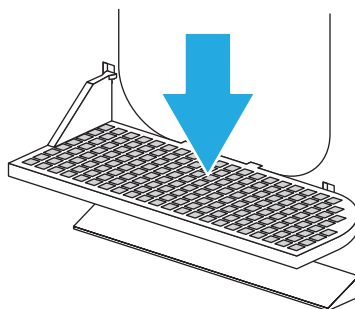
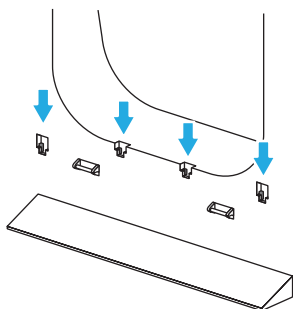
4. Attach the waste drawer cover back to the product.

* Please press the waste drawer cover hinges until you hear the click sound.



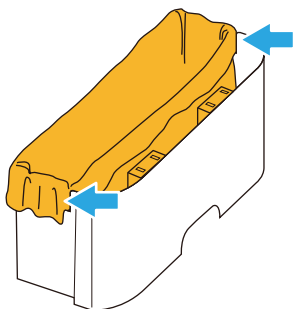
3. Step Mat

Insert the step mat into the 4 (four) holes inside of the entrance. You may find these four holes as shown below.

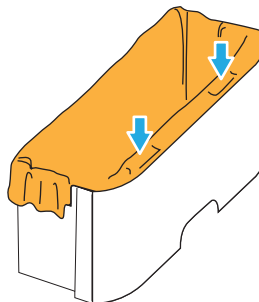


4. Waste Bag

Use a waste bag provided as an accessory.



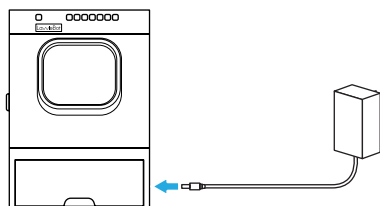
Place the liner by hooking its tip to the narrow holes on the side of a waste drawer.



Fix the rest part of the liner on the waste bag holes in front of a waste drawer.

5. Power Adapter

Connect the power adapter to LavvieBot S to turn it on. The socket for the power adapter is near the bottom corner on the right side of the body.

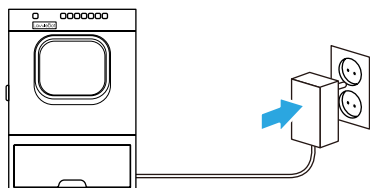


Do not put the cat litter in a litter tray or a litter storage while you are plugging the power adapter.

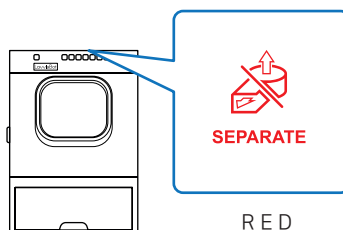
How to Use (Settings)

1. Plug in the power adapter to turn-on the unit.

Power ON



2. [SEPARATE] will turn red as the separator is set to a **separator SEPARATE mode**.



When [SEPARATE] does not turn red, but ...

If [STORAGE] blinks with blue light

2-A-1. It is attempting to perform auto-refill. The light will soon stop blinking since no litter is in the storage.

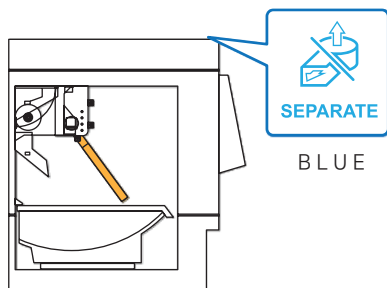
2-A-2. If [STORAGE] shows solid red, please skip to "3. Push the [SEPARATE] button" below.

If [SEPARATE] is solid blue

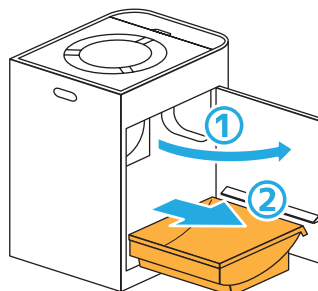
2-B. It is in litter tray SEPARATE mode, meaning you may take out the litter tray. Please skip to "4. Turn the door knob..." below.

3. Push the [SEPARATE] button.

The separator will change to **Litter Tray SEPARATE mode** and meanwhile a blue light will appear on [SEPARATE].



4. Turn the door knob to the left to open the door and pull the litter tray out.

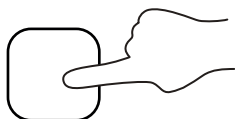


5. Push the [LITTER] button to select the litter type on LavvieBot.

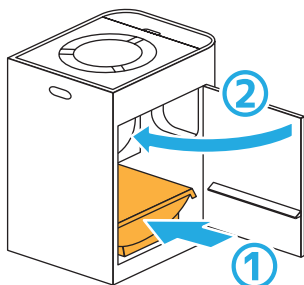
* Litter type detail can be found in page 15

- **BENTONITE** Bentonite clumping clay litter
- **NATURAL** Tofu and other botanical ingredients based litter

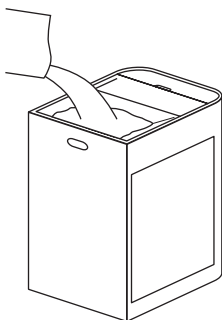
LITTER



7. Put the litter tray all the way inside the unit and close the door.

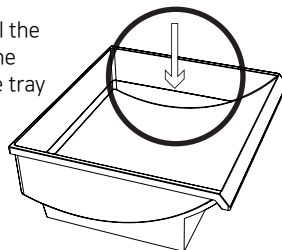


9. Fill the litter storage with the same litter you selected on the LITTER TYPE of LavvieBot S for auto-refill later.



6. The amount of litter you pour in the litter tray will be your litter level. We recommend leaving a little room for litter that will be dispensed automatically.

* Please do not fill the litter above the line marked inside the tray



8. Push and hold the [LITTER] button until you see the blinking light to set the litter level

● BENTONITE
● NATURAL

LITTER



Push and hold for a few seconds

● BENTONITE
● NATURAL

LITTER



LED blinks

● BENTONITE
● NATURAL

LITTER



If it turns into a solid light, the setting is done

*If both litter types blink at the same time, it means the litter in the tray is less than the minimum required quantity, hence add more litter.

10. Push the [SEPARATE] button. The separator will change to Basic Mode to dispense litter to keep or more than the litter level. When this auto-refill is done, LavvieBot S is ready for use.



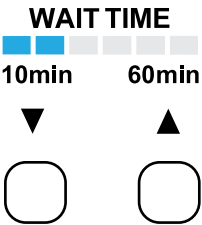
SEPARATE



Wait Time Setting & Automatic Cleaning

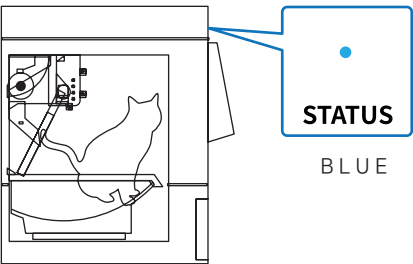
1. Push the ▼ and ▲ buttons to set the wait time for the auto-clean time after your cat uses LavvieBot S.

You can set the time by 10 minutes scale from 10 to 60min.

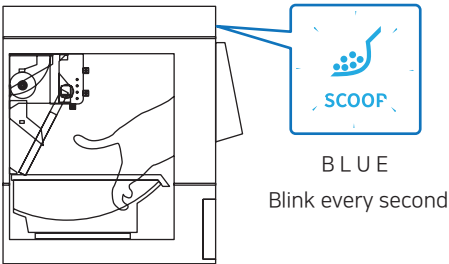


How It Works

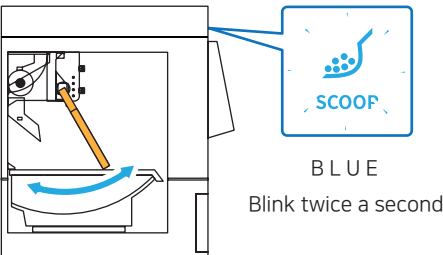
1. A weight sensor beneath the litter tray will recognize a cat in the LavvieBot. The [STATUS] will turn solid blue while the cat's weight (more than 1kg) is being sensed.



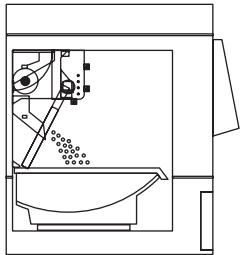
2. After a cat leaves, the countdown begins. During this countdown, the [SCOOP] will blink for every second.



3. After the set wait time passes, auto-clean begins. The [SCOOP] LED will blink twice a second while auto-clean is in operation, meaning the separator is scooping the waste out.



4. Litter will be automatically refilled if the quantity of litter in the litter tray gets reduced to a certain degree.

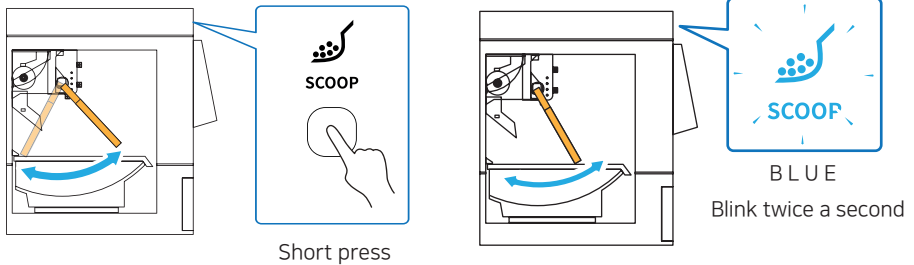


Automatic Cleaning - Manual Mode

You can activate auto-clean manually as well. You can use this function not just for scooping the waste away, but to flatten the litter surface in the tray.

● Please be cautious as the sensor for safety measures is NOT on during this manual operation.

1. Push the [SCOOP] button to begin the manual scoop.
2. The [SCOOP] LED will blink twice a second while scooping the waste away.



How To Stop Manual Mode for Automatic Cleaning

1. Push the [SCOOP] button to stop the manual scooping operation.
2. Pushing the [SCOOP] button again to resume scooping. Please read the information below as the separator will move differently based on its last position.

- When the separator stopped right **before** it dumps waste into the waste drawer:

The separator will go back to Basic Mode without finishing the rest scooping. Please be aware of the remaining waste.

- When the separator stopped **after** it dumped waste into the waste drawer:

The separator will go back to Basic Mode after flattening the litter.

Waste Drawer Notification

- Scooped out wastes will be collected in a waste drawer located on the bottom of the unit, below the entrance. When the wastes are collected in the waste drawer, the [WASTE] LED will turn blue.

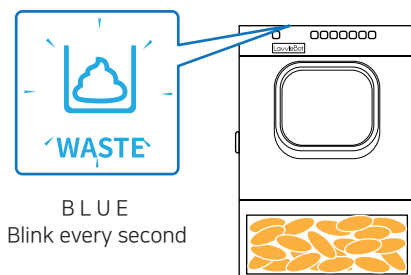
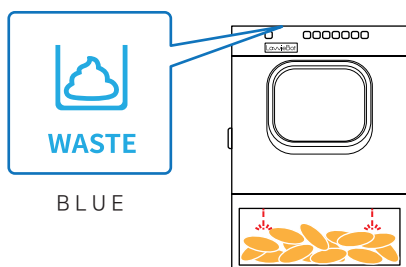
- When more wastes are collected and the waste drawer gets full, the blue light will blink once every second.

- Just because the [WASTE] LED is showing a blinking or solid blue doesn't mean the wastes can be left out without emptied until you receive the notification of a waste drawer being full. We recommend cleaning out the wastes regardless of the [WASTE] LED status.

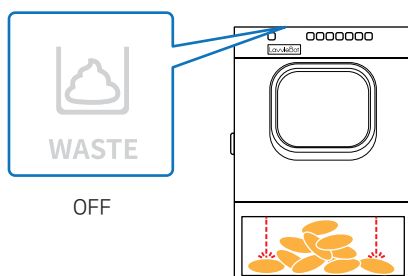
- Please be aware that the auto-clean will still be made even if the [WASTE] lamp is switched to blinking/solid blue.

- Leaving/keeping the wastes in the waste drawer is not only unsanitary but also a cause of product malfunction due to bugs and mold.

1. Please empty the waste drawer when [WASTE] LED is blue. The sensors will react when wastes are collected in the drawer.
2. When the amount increases, the blue [WASTE] LED will blink. Please clean out the waste immediately.



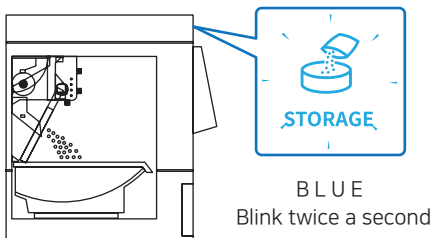
3. The sensors detect both left and right side of the waste drawer, thus they may not turn on the [WASTE] lamp if the wastes get piled up on one side only. Hence, please clean out the waste frequently even if the LED is off.



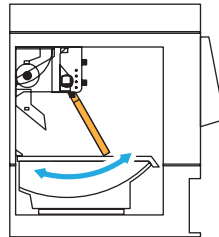
Automatic Refilling

● LavvieBot S automatically dispenses litter from the litter storage when a certain amount of litter in the tray gets lessened than the litter level (standard amount).

1. During auto-refill, the [STORAGE] LED blinks blue twice every second.



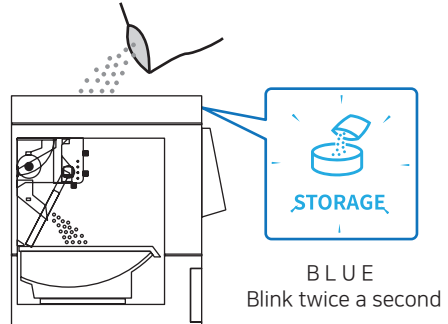
2. After it refilled the litter, the separator will move back and forth to flatten the surface of litter in the litter tray.



3. When the storage runs out of litter during auto-refill, the [STORAGE] LED will blink in red once every second.



4. When litter is added to the storage, it will resume dispensing the litter.



When you hear a 'snap' sound during auto-refill operation,

● It is the sound of litter broken into pieces that were stuck inside the bottom part of a storage while letting out the litter. It may occur frequently when using a pellet type of cat litter.

* It may also occur with the size of litter we recommended.

● Sizes and shapes of cat litter may cause this incident, thus please note that the sound is not due to a product malfunction.

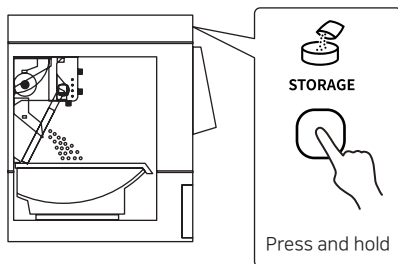
● It doesn't affect operation or performance of a product, but if the noise is unpleasant, we recommend changing the cat litter.

Automatic Refilling - Manual Mode

1. If you press and hold the [STORAGE] button, it begins dispensing the litter until you release the button. However, it will not dispense or stop refilling if the litter tray already reached the maximum amount of litter inside.

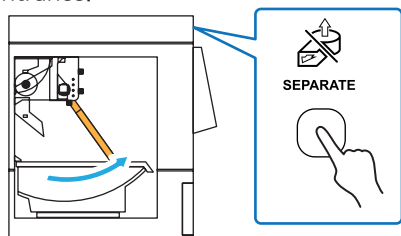
The separator will be operated to flatten the litter after auto-refill is done.

If there is already a maximum amount in the litter tray, this manual mode cannot be performed.

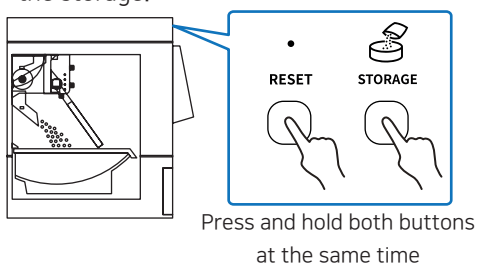


Discharging all the litter in the Storage at ONCE

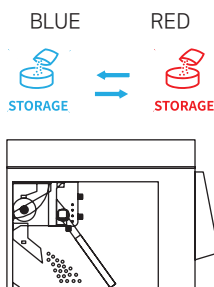
1. Press the [SEPARATE] button to change to a litter tray SEPARATE mode. The separator will move towards the entrance.



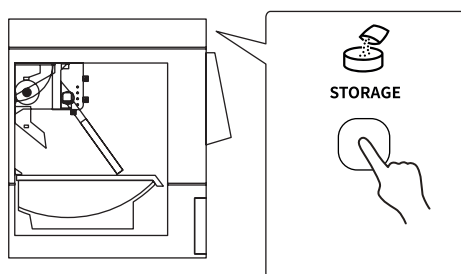
2. If you press and hold the [RESET] and the [STORAGE] button at the same time, it will discharge all the litter from the storage.



3. During this operation, the [STORAGE] LED will show blue and red alternately.



4. To stop this operation, press any button. Discharging all the litter function doesn't stop by itself.



To stop in the middle of discharging all the litter,
PRESS ANY BUTTON.

[STORAGE] Indicator Light & Status

- Following is an overview of [STORAGE] LED and status.



<Solid Blue>

It shows that there is enough litter in the storage.



<Blinking Blue twice every one second>

LavvieBot S refilling litter automatically.



<Blinking Red once every one second>

The storage is running out of litter during auto-refill operation. If you add litter to the storage, it will continue to dispense litter.



<Light off>

If there is already enough litter in the litter tray, it won't perform auto-refill. Light goes off when the litter storage lacks litter or has no litter. Please always make sure there is enough litter in the storage.



<Blinking Red on both [STORAGE] & [STATUS]>

Although it has enough litter in the storage, Auto-Refill cannot be performed due to stuck litter entrance net or big sized particles of litter used. In this case, please change the litter brand (go to page 15 for litter details).



BLUE



RED

<Blinking Blue and Red alternately>

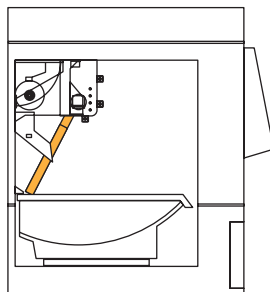
The [STORAGE] LED blinks with blue and red alternately while the storage is letting all the litter out. To stop, press any button. (It doesn't stop automatically although the storage runs out of litter)

Separator & Separator Modes

- Following is an explanation about how to operate a separator of LavvieBot S.

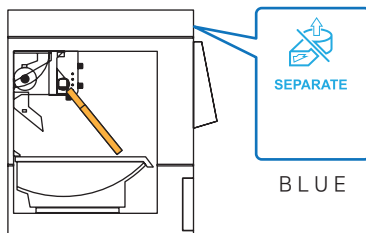
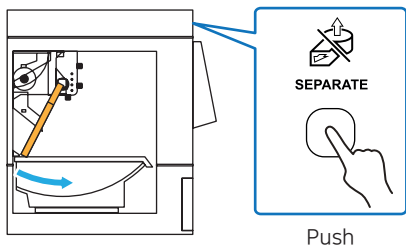
Basic Mode:

A separator is on a standby position, meaning this is where the separator is usually sitting and for a cat to use.



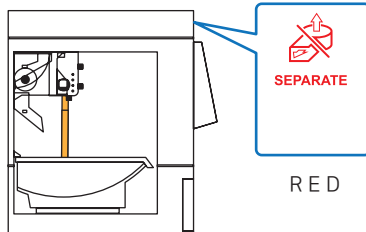
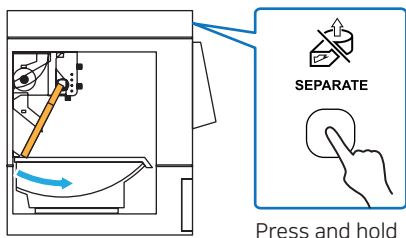
Litter Tray SEPARATE Mode:

Press the [SEPARATE] button to change to Litter Tray SEPARATE mode to take out the litter tray and you will see a solid blue on [SEPARATE] LED.



Separator SEPARATE Mode:

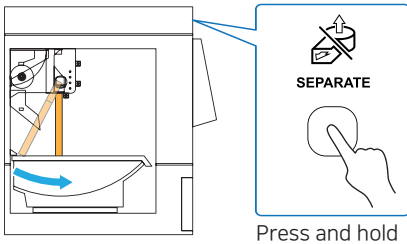
Press and hold the [SEPARATE] button to take out the separator. Red [SEPARATE] LED will appear after it changes to **Separator SEPARATE mode**. The separator will be in this position when you first receive LavvieBot S.



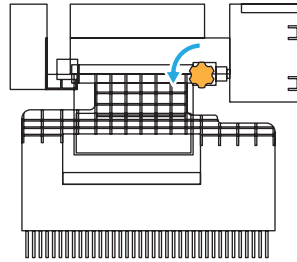
How to Detach a Separator

- Following is an explanation about how to detach and attach the separator.
Please refer to the instructions below to clean the separator.

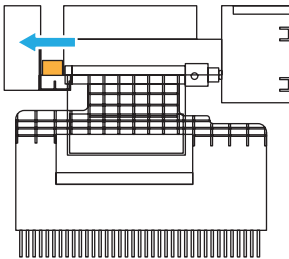
1. Press and hold the [SEPARATE] button. It changes to **Separator SEPARATE mode**.



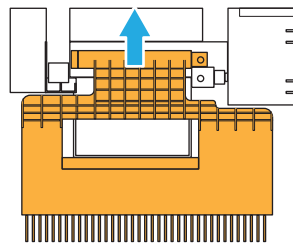
2. Turn the coupler to the left as shown below.



3. Move the mounter slide to the left to unlock.

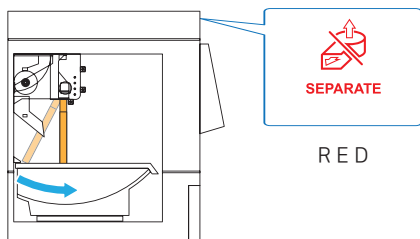


4. Slowly lift the separator upward to take it out.

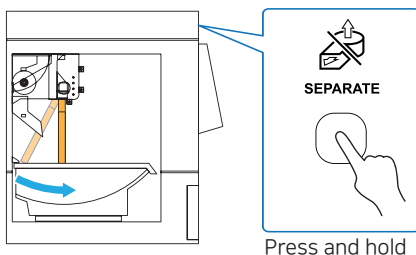


How to Attach a Separator

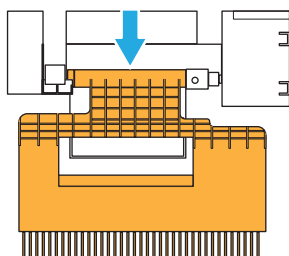
1. Please check if there is a red light on [SEPARATE].



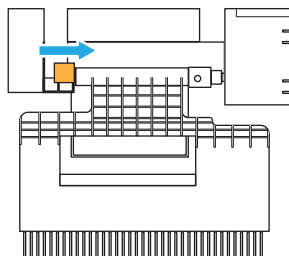
2. If you don't see a red light, press and hold the [SEPARATE] button.



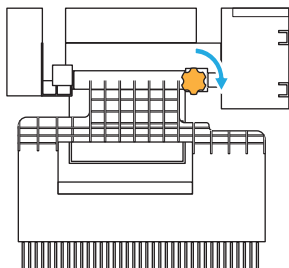
3. Put the separator back as shown below and make sure it is correctly fit.



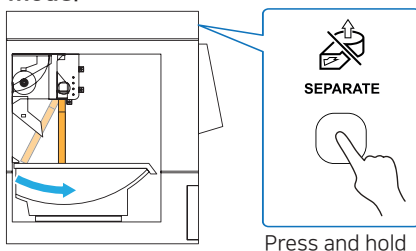
4. Move the mounter slide inward to lock the separator.



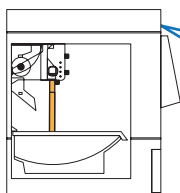
5. Turn the coupler handle to the right to tighten the separator. Make sure the separator is not tilted.



6. Press and hold the [SEPARATE] button to move the separator back to its original position which is **Basic mode**.



[SEPARATE] Indicator light & Status

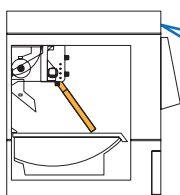


RED

Position: Perpendicular to the ground

Indicator lights: Solid Red

It is **Separator SEPARATE mode** where the separator can be detached. The separator will be in this position when you first receive LavvieBot S.

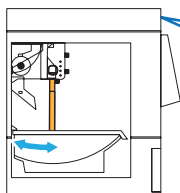


BLUE

Position: Towards the entrance

Indicator lights: Solid Blue

In this position, the litter tray can be taken out and also the discharging all the litter operation can be performed.



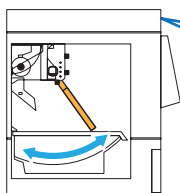
RED

Blink once every second

Indicator lights:

Blinks in Red once every second

You will see this while a separator is changing to **Basic mode** or to **Separator SEPARATE mode**.



BLUE

Blink once every second

Indicator lights:

Blinks in Blue once every second

You will see this while a separator is changing to **Basic mode** or to **Litter Tray SEPARATE mode**.

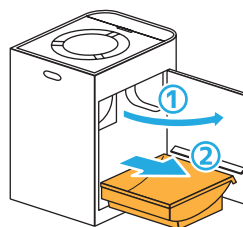
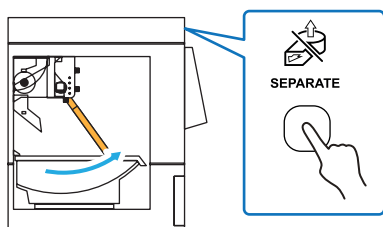
How to Clean LavvieBot S

- Clean the parts regularly for its better life span.
- You must clean after unplugging the power adaptor.
- Avoid using water depending on which part you clean and wash.

You must clean at least once every month because using LavvieBot S without cleaning may cause a malfunction or a damage. Please note that when a product is sent out for repair, there will be additional cleaning fees if a product is badly contaminated.

Detach a Litter Tray

1. Press the [SEPARATE] button to change to a **Litter Tray SEPARATE mode**.
2. Turn the door knob to the left to open the door, then take out the litter tray.

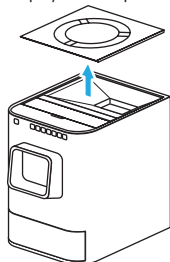


Detach a Separator

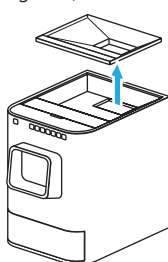
- Please go to page 27 to see how to detach the separator.
- Unplug the power adaptor after detaching the separator.

Detach a Top Storage

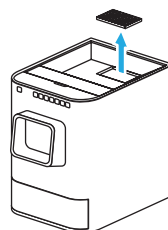
* Must empty the top storage (go to page 24) before following the below instruction.



1. Open the top cover



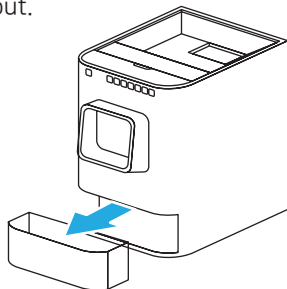
2. Lift the storage to detach



3. Take out the litter entrance net

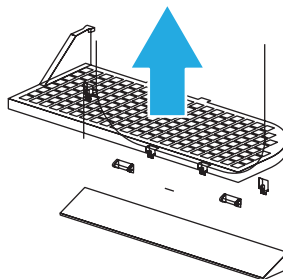
Detach a Waste Drawer

Pull the waste drawer out slowly to take out.



Detach a Step Mat

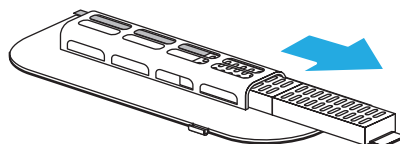
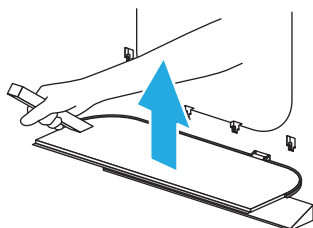
Carefully lift up a step mat to take out.



Detach a Waste Drawer Cover and Deodorizers

1. Easily detach the waste drawer cover by holding the bar and slowly lifting it.

2. Take the deodorizer set out from the cartridge located under the waste drawer cover.

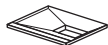


Parts that can be washed with water

- Following parts can be cleaned with water, but never wash the other parts that are not listed below on this page.
- Please wipe out the surface using a brush or dry cloth for parts that cannot be cleaned with water.
- After cleaning the parts with water, make sure to dry completely before assembling back to the product.



Top Cover
(top lid)



Litter Storage



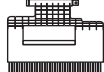
Litter
Entrance Net



Waste Drawer



Litter Tray

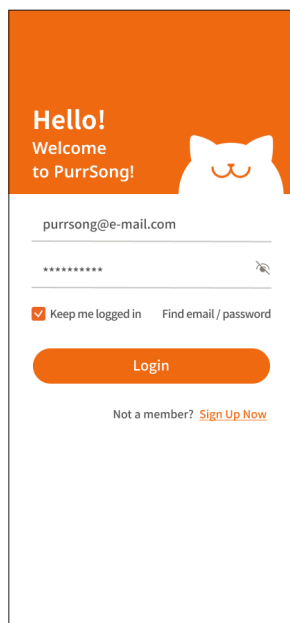


Separator



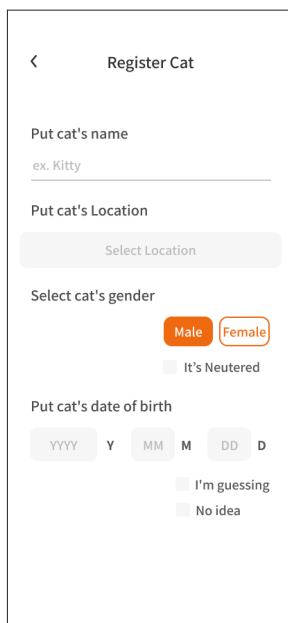
Step Mat

Application & LavvieBot S Registration




Step 1: Sign up and log in. The screen shows a welcome message "Hello! Welcome to PurrrSong!" with a cat icon. Below is a login form with fields for email (pre-filled with "purrrsong@e-mail.com") and password. There is a "Keep me logged in" checkbox and a "Find email / password" link. A large orange "Login" button is at the bottom. A link "Not a member? Sign Up Now" is also present.

1. Sign up and log in.



Step 2: Register Cat. The screen shows a form to register a cat. Fields include "Put cat's name" (with example "ex. Kitty"), "Put cat's Location" (with a "Select Location" button), "Select cat's gender" (with buttons for "Male", "Female", and "It's Neutered"), and "Put cat's date of birth" (with fields for YYYY, Y, MM, M, DD, D). There are also buttons for "I'm guessing" and "No idea".

2. After login, put your cat's information in detail.

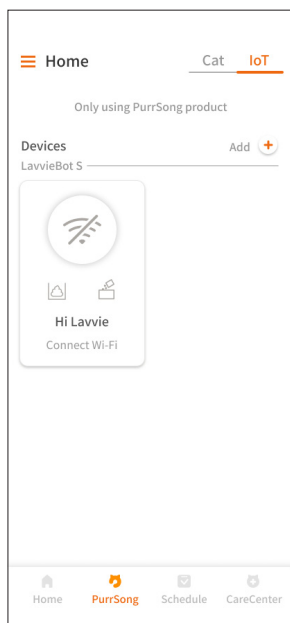


Step 3: LavvieBot S Register. The screen shows a diagram of the LavvieBot S unit with a "STATUS" label pointing to a light. Below the diagram are five dots, with the second dot from the left being orange. At the bottom is a large orange "Next" button.

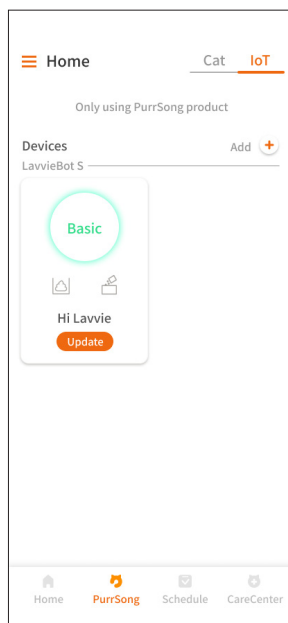
3. Click [IoT] on the right side corner and register LavvieBot S.

Acclimating Your Cat

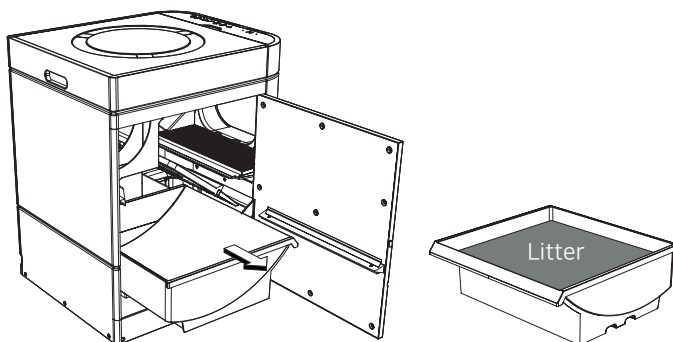
1. Place a litter tray of LavvieBot S on the same location where the previous litter box was sitting. **It is important to hide the previous litter box from cats and make sure they don't find it.**
2. Put LavvieBot S on the same place where the litter tray was and detach a separator. Then put the litter tray inside the unit and keep the door open for use.
* Make sure the machine is powered off
3. Attach the separator back to the unit and change to **Basic mode** (making the separator head backside of the wall) by pressing and holding the [SEPARATE] button for more than 3 sec. * See page 26 for **Basic mode**
4. Keep it in **Basic mode** and close the side door to have your cat use the entrance.
5. Lastly, turn the power on and close the door.



4. Click the registered LavvieBot S for Wi-Fi connection.



5. After finishing connecting the Wi-Fi, go to [IoT] and click [UPDATE] of LavvieBot S you just registered for firmware update.

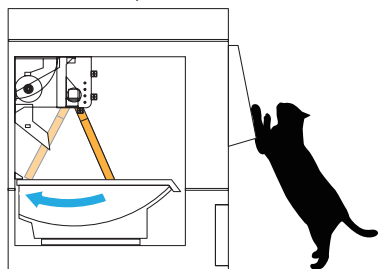


Emergency Stop Function

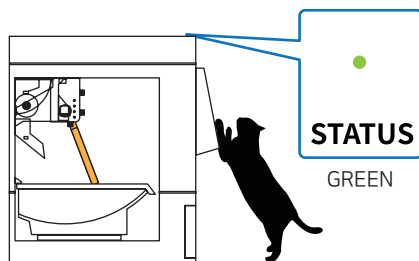
- LavvieBot S has a sensor to stop a separator when a cat comes near.
- This sensor also detects people who come close to the product.
- It resumes its automatic operation when nothing is near, but please avoid making the product repeat stop and resume operations unnecessarily.
- Time or duration of resumed automatic operation may differ based on which automatic operation was made right before it stopped.
- Sensors built for safety work only when it is in automatic operation. Be aware that it will not stop automatically during the manual operations. (ex. pressing the [SCOOP] button to scoop or [STORAGE] for dispensing litter)

FYI, when a cat approaches during the automatic operation

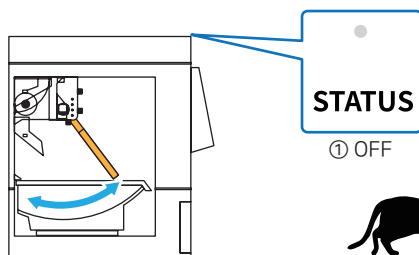
1. During auto cleaning, when LavvieBot S detects movement of a cat or a person, a separator returns to Basic mode and stops.
2. When a sensor detects any movement, the [STATUS] LED turns solid green.



Return to Basic mode and stop



3. After a cat or a person leaves and the sensor detects nothing is near itself, the [STATUS] LED will be off and the separator will move again in about 1 minute and 20 seconds.



- ② Resume working after about 1 minute and 20 seconds

Cases for Suspicion of Malfunction

It doesn't stop even after all the litter got dispensed from the top storage!

- Manual control of discharging all the litter doesn't stop automatically. You can stop it by pressing any button.

There are times when a safety sensor doesn't seem to work. For example, it doesn't stop even when a cat goes near!

- Safety sensors are activated only when the product is in automatic operation. Remember that safety sensors will not be activated for AND during the manual operation such as pressing buttons.

I pressed the [LITTER] button to set the litter level, but oth [BENTONITE] and [NATURAL] LEDs are blinking!

- Both will blink when the litter tray doesn't have the required minimum amount. Try to increase the amount of litter in the litter tray.

It is letting out additional litter even though I set up the litter level!

- Auto-refill always keeps little more of litter than the litter level you set. Hence, it is still dispensing some litter after it returns to **Basic mode**.

I hear some 'snap' sound when auto-refill is in operation!

- The sound comes from the litter being crushed when the litter particles are stuck in the silicone part of the refill system. It happens frequently when using a pellet type litter.
- The silicone part of the refill system is made of rubber, thus even if some litter particles get stuck here, it will not cause any damage or malfunction.
- Litter recommended by a supplier can create some sound due to various sizes and materials of litter type. Such sounds are not the cause of damage, hence please note that repair or exchange for this reason is not acceptable.

I hear some 'creaking' sound while the separator is moving!

- There may be an incorrectly fastened screw or defective part on a separator. Please loosen the top three screws of a separator and if it is still making the sound, contact customer service team.

I receive motor error notifications too often!

- Check your litter tray if there is any stuck waste or clumps. If there is, wash the litter tray with water and fill with new litter.
- Too much litter in the litter tray can cause motor overload issue. Please decrease the litter level (go to page 18-19 to see the instructions of changing the litter level).

I cannot connect to Wi-Fi on my phone!

- Type in a correct password of your Wi-Fi router.
- Make sure to register LavvieBot S on PurrSong application first. If there is any change made to your Wi-Fi router, please change the information on the application.
- LavvieBot S only support 2.4GHz (5GHz is NOT available)
- Some Wi-Fi routers have limited number of device connections. Contact a Wi-Fi router supplier for such inquiry.

FAQs

Q. What should I do if my cat's stool is watery or mushy?

A. If your cat's stool is watery or mushy, it might take a while for the litter to be hardened. In this case, set up the Wait Time to a longer period to give enough time for litter to be hardened so that LavvieBot can clean the clumping.

Q. Is there a recommended size/weight limit of cats to use LavvieBot?

A. We recommend cats weighing between 2.3lb – 16lb (1kg – 7.5kg) to use it, but not applicable to large size of breeds such as Maine Coon.

Q. Isn't the entrance too high for a cat who has short legs or joint problem?

A. The height of LavvieBot's entrance is similar to that of a two-story wooden litter box. If your cat's legs are not strong, we recommend placing a cat stair or a cushion in front of the entrance.

Q. Can I use tofu cat litter?

A. You can use tofu litter as long as its particle is small. Natural cat litter that has tinier particles and lighter weight than regular Tofu or Corn litter such as wheat may not be suitable for use.

Q. Do I have to use a custom-fit waste bag?

A. You can use any bag as long as it fits into the unit but recommend using the custom-fit waste bag. If the size does not match with a waste drawer, LavvieBot may misrecognize that the waste is full and notify you with an inaccurate info.

Q. How much litter does it use?

A. LavvieBot can contain up to 12L of litter in total (about 5L in the litter tray and 7L in the litter storage).

Q. What happens if my cat enters LavvieBot while it is cleaning?

A. Even during the cleaning process, LavvieBot will detect any approaching cat, immediately stops the operation and retracts its separator to make it available for the cat use the litter box all the time as well as to keep your cat safe from automated performance.

Q. Can LavvieBot distinguish cats?

A. It can distinguish cats as long as their weight difference is about 1.6lb or more. However, we are working on a cat pendant to help LavvieBot identify cats regardless of their weight.

Q. Do I have to remove all the litter before changing a litter type?

A. Yes, thus before changing the LITTER type on a machine, please empty both litter tray and litter storage to avoid having mixed litter types.

Q. My cat is not inside the machine, but [STATUS] LED is blue. Why?

A. There are three conditions when the blue light appears on [STATUS] except when a cat stays inside or is using the LavvieBot.

The three conditions are as follows,

1. When additional cat litter is directly poured in the litter tray
2. When someone or something other than a cat is putting pressure on the litter tray (ex. pushing the litter tray with hands, etc.) or leaning towards the it
3. When opening and closing the door of LavvieBot S

* The blue light of [STATUS] will be gone after 7 min or you can press the [RESET] button.

Q. Do I need to replace damaged silicone parts?

A. Silicon parts are consumables, thus they can be purchased online. However, if silicone parts are damaged when first received, please reach out to a customer service center for replacement.

Q. What does Location mean in LavvieBot mobile application?

A. It means the location where your cat and LavvieBot are placed. It is mandatory to choose the Location when registering your cat and LavvieBot.

Q. What is included in the Location?

A. The Location includes Cat, LavvieBot, and User. It shows the location of cat(s) and LavvieBot(s), and user can check such information by entering that location.

Q. What is Authority of Location? What is Authority given at a location?

A. There are Super User and User. A Super User is the person who creates a Location and holds an authority to delete that Location. One can not only register and change the information of Cat and LavvieBot, but also choose the next Super User and grant authority when leaving the location. However, non-Super User can only access to information of the Location as a participant.

Q. How should I distinguish the Location?

A. You can distinguish Location based on your cat's daily living space. For example, if you have two LavvieBots in your house and multiple cats are using both LavvieBots, all your cats and the LavvieBots should be registered under the same Location. If your cats have their own preference and use only one of the two LavvieBots, register them under a different Location accordingly so that you can have precise information.

Customer Service & Warranty

Return and Refund

If you are not satisfied with this product, for whatever reason, it is possible to return it for refund within 30 days of receipt. You must first advise RobotShop at support@robotshop.com.

RobotShop will provide you with a Return Authorization number. No returns will be accepted without having a previously obtained RA number. The product must then be returned in its original packaging.

Please note that all items will be reimbursed within 7 days of receiving the product (shipping fees excluded). You must also cover the cost of returning the product. Shipping fees will only be refunded if the return is a result of a shipping error on our part. Cleaning fees (50\$) may also be charged if the Lavviebot S is returned and has not been properly cleaned. Please make sure the Lavviebot S is cleaned and carefully packaged and in its original packing prior to return.

Warranty North-America

Your Llaviebot S is covered by a 1 year warranty starting from the date of shipment. This warranty covers all parts and labor for manufacturer defects and is taken care of by a RobotShop certified repair center. Customers must first obtain a return authorization by contacting RobotShop at support@robotshop.com.

If you have any questions, concerns or need assistance, contact RobotShop Inc.; we'll be glad to help.

Contact Info

email: support@robotshop.com

phone: +1-866-627-3178 Toll-free (in North America)

Warranty Europe

Your Llaviebot S is covered by a 2 year warranty starting from the date of shipment. This warranty covers all parts and labor for manufacturer defects and is taken care of by a RobotShop certified repair center. Customers must first obtain a return authorization by contacting RobotShop at support@robotshop.com.

If you have any questions, concerns or need assistance, contact RobotShop Inc.; we'll be glad to help.

Contact Info

email: support@robotshop.com

phone: +33-8-01-90-23-42 Toll-free (within the European Union)



MARKING ACCORDING TO THE ELECTRICAL APPLIANCES AND CONSUMER PRODUCTS SAFETY CONTROL ACT

- Certification Number: KC ID: R-R-PSW-LavvieBot2
 - : FCC ID : 2AWFPLAV2
 - : IC : 26107-LAV2
- Product Name: Smart Automatic Cat Litter Box
- Model Name: LavvieBot S
- Input: DC 12V === 5A
- Temperature setting for the use: 10°C ~ 35°C
- Place for the use: For residential use (indoor)
- Manufacturer : PurrSong, Inc.
- Address: 3F, 538, Daedeok-daero, Yuseong-gu,
Daejeon, Republic of Korea
- Country of Origin: Republic of Korea
- Date of manufacture: Indicated separately
- RF SPEC.
- 1. Bluetooth
 - Frequency : 2 402 ~ 2 480 MHz
 - Version : Bluetooth Low Energy 4.1
 - Channel : 0~39 Channel
 - Maximum Power
 - # Class 2 : 2.8 mW (4 dBm) ~ 0.25 mW (-6 dBm)
 - Maximum Bandwidth : 2MHz
 - Technology : FHSS
- 2. Wi-Fi
 - Protocol : IEEE 802.11b/g/n_HT20/n_HT40 Supported
 - Frequency : 2 412 ~ 2 462 MHz (802.11b/g/n_HT20)
2 422 ~ 2 452 MHz (802.11n_HT40)
 - Technology : DSSS (802.11b),
OFDM (802.11g/n_HT20/n_HT40)
 - Min 17.5 dBm / Typical 18.5 dBm / Max 20 dBm
- Designed by PurrSong, Inc.



R-R-PSW-
LavvieBot2

FC Tested To Comply
With FCC Standards
FOR HOME OR OFFICE USE
FCC ID : 2AWFPLAV2
IC : 26107-LAV2
Contains FCC ID : 2AC7Z-ESPWROOM32D
IC : 21098-ESPWROOM32D

FCC COMPLIANCE STATEMENT

- 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.
- CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment
- RF Exposure Statement
A minimum separation distance of 20 cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements
- Industry Canada Statement
This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- Énoncé d'Industrie Canada(IC)
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- Tout changement ou modification non expressément approuvé par la partie chargée de la mise en conformité peut annuler le droit de l'utilisateur à utiliser l'équipement.
- Déclaration d'exposition aux RF
Une distance de séparation minimale de 20 cm doit être maintenue entre l'antenne et la personne pour que cet appareil satisfasse aux exigences d'exposition aux RF