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PvEvTv AU01-III

PETJC Automatic Self-Cleaning Cat Litter Box User Manual

Model: AU01-III

1. Introduction

Thank you for choosing the PETJC Automatic Self-Cleaning Cat Litter Box. This innovative device is designed to provide a cleaner, more convenient litter solution for cat owners, ensuring a fresh environment for your feline companions and simplifying maintenance for you. This manual provides essential information for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your device.



Figure 1: PETJC Automatic Self-Cleaning Cat Litter Box. This image shows the overall design of the litter box, with a cat comfortably resting on its top surface, highlighting its compact and pet-friendly design.

2. Safety Information

Please read all safety instructions carefully before operating the device to prevent injury or damage.

- **Safety Sensors:** The litter box is equipped with 8 gravity sensors and 3 infrared (IR) sensors to detect your cat's presence and ensure safe operation. The cleaning cycle will pause if a cat is detected inside or near the entrance.
- **Magnetic Anti-Pinch Switch:** Features a magnetic anti-pinch switch and an upper cover separation design to prevent accidental pinching and enhance safety.
- **Weight Limit:** Suitable for cats weighing between 2.2 lbs (1 kg) and 18 lbs (8.2 kg). Do not use for cats outside this weight range.
- **Placement:** Place the unit on a firm, level surface. Avoid placing it near water sources or in excessively humid environments.
- **Power:** Use only the provided power adapter. Disconnect power before cleaning or performing maintenance.
- **Children and Pets:** Keep children and other pets away from the device during operation.
- **Maintenance:** Do not attempt to repair or modify the device yourself. Refer to the troubleshooting section or contact customer support for assistance.



Figure 2: Multiple safety features are integrated into the PETJC litter box, including a magnetic anti-pinch switch and a separation design for the upper cover, ensuring maximum safety for your pet.



Figure 3: Illustration of the 3 infrared (IR) sensors and 8 gravity sensors within the PETJC litter box, which detect cat presence, monitor litter weight, and identify foreign objects for safe and efficient operation.

3. Product Components

The PETJC Automatic Self-Cleaning Cat Litter Box consists of the following main components:

- **Main Unit:** Houses the motor, sensors, and control panel.
- **Inner Drum (Sphere):** The rotating chamber where the cat litter is contained and waste is sifted.
- **Waste Drawer:** Located at the bottom, collects sifted waste.
- **Power Adapter:** For connecting the unit to an electrical outlet.
- **Litter Mat/Curtain (Optional/Integrated):** Helps reduce litter tracking.

4. Setup

4.1 Unpacking and Placement

1. Carefully remove all components from the packaging.
2. Place the main unit on a flat, stable, and dry surface. Ensure there is enough space around the unit for proper ventilation and access.
3. Ensure the waste drawer is correctly inserted into the base.

4.2 Power Connection

1. Connect the power adapter to the designated port on the back of the litter box.
2. Plug the power adapter into a standard electrical outlet. The unit will power on and perform an initial calibration cycle.

4.3 Adding Cat Litter

The PETJC litter box supports most types of cat litter, including clay litters, tofu litters, mixed litters, and sawdust litters. Bentonite cat litter is recommended for optimal performance.

1. Press the "Litter Add" button (or use the app) to rotate the inner drum to the litter-adding position.
2. Pour cat litter directly into the opening of the inner drum. Do not overfill; refer to the fill line inside the drum.
3. Press the "Litter Add" button again (or use the app) to return the drum to its home position.



Figure 4: Visual guide demonstrating the one-click litter adding and one-click litter emptying features, designed for simple and convenient litter management.



Figure 5: This image illustrates the compatibility of the PETJC litter box with various litter types, including clay, tofu, mixed, and sawdust litters, emphasizing its smooth arc curved surfaces that support most cat litter on the market.

4.4 App Connection (Optional)

For enhanced control and monitoring, download the PETJC app. The app allows you to control the litter box remotely, receive notifications, and manage settings.

- Download the "PETJC" app from your smartphone's app store.
- Follow the in-app instructions to connect your litter box. **Note: The device only supports 2.4G WiFi networks. It does not support 5G WiFi.**



Figure 6: The PETJC app interface, showcasing intelligent control features such as one-click litter emptying and adding, do-not-disturb mode, cat health monitoring, multi-cat recognition, litter adding reminders, toilet cleaning reminders, device operation monitoring, and multi-user account management.

5. Operating Instructions

5.1 Automatic Cleaning Cycle

The PETJC litter box automatically initiates a cleaning cycle after your cat exits the unit and a preset delay has passed. The delay can typically be adjusted via the app.

- When your cat uses the litter box and exits, the sensors detect their departure.
- After the set delay (e.g., 3, 5, 7 minutes), the inner drum will slowly rotate, sifting the clean litter from the waste.
- Waste is deposited into the sealed waste drawer below.
- The drum returns to its original position, ready for the next use.

Your browser does not support the video tag.

Video 1: A cat using the PETJC Automatic Self-Cleaning Litter Box, demonstrating the ease of entry and exit, followed by the automatic cleaning cycle. This video highlights the quiet operation and efficient waste removal process.



Figure 7: An illustration detailing the internal cleaning mechanism, including the backward rotation of the sand bin to ensure a dust-free room and prevent cat entry during cleaning, the automatic sealing door above the collection box to isolate odor, and the door curtains that block cat litter and dust, further reducing odors.

5.2 Odor Removal

The smart litter box features a built-in ozone generator for effective sterilization, deodorization, and venting, ensuring a fresh environment without additional purchases.



Figure 8: A transparent view of the PETJC litter box highlighting the fully enclosed design and the integrated ozone generator, which performs sterilization, deodorization, and venting in one step to eliminate odors.

6. Maintenance and Cleaning

Regular maintenance ensures the longevity and hygienic operation of your PETJC litter box.

6.1 Emptying the Waste Drawer

- The app will notify you when the waste drawer is full.
- Pull out the waste drawer from the front of the unit.
- Dispose of the waste. You can line the drawer with a standard trash bag for easier disposal.
- Reinsert the clean waste drawer firmly until it clicks into place.



Figure 9: This image highlights the large 10L capacity of the waste storage, indicating that it can accommodate waste for one cat for up to 15 days, reducing the frequency of emptying.

6.2 Deep Cleaning the Unit

The PETJC litter box features an easy disassembly design, and all parts (except the base) are washable. The HIPS material and paint baking ensure high hardness, resistance to deformation, and a smooth, stain-resistant surface that is easy to clean.

1. Disconnect the power supply before cleaning.
2. Disassemble the inner drum and other removable components as shown in the diagram.
3. Wash the removable parts with mild soap and water. Rinse thoroughly and allow them to dry completely before reassembly.
4. Wipe the base unit with a damp cloth. Do not submerge the base in water.
5. Reassemble all components securely.



Figure 10: This image illustrates the easy disassembly and washable nature of the PETJC litter box, highlighting that all parts except the base can be washed. It also emphasizes the HIPS material's properties: high hardness, difficult to deform, smooth surface, stain resistant, and easy to clean.



Figure 11: A visual representation of the simple assembly structure and easy disassembly of the PETJC litter box, showing how various components can be separated for thorough cleaning, making maintenance straightforward.

7. Troubleshooting

If you encounter issues with your PETJC litter box, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not powering on.	Power adapter not connected, power outlet issue.	Ensure power adapter is securely plugged into the unit and a working outlet. Check the power switch.
Cleaning cycle not starting.	Cat still inside, waste drawer not properly inserted, sensors obstructed.	Ensure cat has exited. Reinsert waste drawer. Clean sensors if obstructed by litter or debris.
"Waste Drawer Full" notification, but drawer is not full.	Sensor malfunction or obstruction.	Check the waste drawer sensors for any litter or debris. Clean thoroughly. Reset the unit by unplugging and replugging.
App connectivity issues.	Incorrect WiFi band, weak signal, app not updated.	Ensure your router is broadcasting a 2.4G WiFi signal. Move the unit closer to the router. Update the app to the latest version.
Litter sticking to the drum.	Type of litter, humidity, soft stools.	Ensure you are using a high-quality clumping litter. Consider bentonite cat litter. Clean the drum regularly to prevent buildup.

8. Specifications

Feature	Detail
Model Number	AU01-III

Feature	Detail
Dimensions (L x W x H)	22.4" x 27.2" x 24.2" (56.9 cm x 69.1 cm x 61.5 cm)
Item Weight	26.4 lbs (12 kg)
Cat Weight Range	2.2 lbs to 18 lbs (1 kg to 8.2 kg)
Waste Drawer Capacity	10 Liters (approx. 15 days for one cat)
Material	HIPS (High Impact Polystyrene)
Sensors	8 Gravity Sensors, 3 Infrared (IR) Sensors
Odor Control	Built-in Ozone Generator
Connectivity	2.4G WiFi (App Control)
Noise Level	Quiet Operation



Figure 12: This image provides a visual representation of the large space within the PETJC litter box, indicating its capacity to accommodate cats up to 18 lbs, along with key dimensions in centimeters.

9. Warranty and Support

The PETJC Automatic Self-Cleaning Cat Litter Box comes with a **One-Year Warranty** from the date of purchase.
For warranty claims, technical support, or any questions not covered in this manual, please contact PETJC customer service through the contact information provided at the point of purchase or on the official PETJC website.
Please have your model number (AU01-III) and purchase date ready when contacting support.

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