

Fully Automatic Intelligent Self-Cleaning Cat Litter Box

Model: P7-plus User Manual

I. Product Overview

The PETALAS P7-plus Fully Automatic Intelligent Self-Cleaning Cat Litter Box is a premium smart pet device that integrates **"fully automatic cleaning + medical-grade health monitoring."** Equipped with an intelligent sensing system, it automatically triggers a complete cycle of water washing, disinfection, and deodorization after each use. With **medical-grade 10-parameter urine dry chemistry testing technology** and AI algorithms, it provides early warnings for feline health risks.

Core Features:

- **Fully Automatic Cleaning:** No manual intervention required. The system automatically initiates washing, drying, and deodorizing procedures when the cat leaves the litter box.
 - **Medical-Grade Health Monitoring:** Offers analysis of 10 key urinary indicators via urine testing, with AI-generated health risk assessments and recommendations.
 - **Flexible Modes:** Supports **"Automatic Cat Sensing Mode (default)"** and **"Scheduled Cleaning Mode"** to accommodate diverse pet care needs.
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II. Safety Instructions (Mandatory Reading)

To ensure the proper operation of the device and the safety of your pets/family, strictly adhere to the following guidelines:

2.1 Power Safety

- **Compatible only with the provided 120V/220V AC power supply (verify local voltage compatibility).** A reliable grounding connection is mandatory.
- **Never plug/unplug the device or operate it in damp environments (e.g., bathrooms, near sinks)** to prevent electric shock hazards.

2.2 Pet Adaptation Period

Before initial use, manually guide your cat to familiarize itself with the litter box' s location and surroundings (e.g., place familiar bedding/toys nearby). Observe for 1–3

days to confirm the cat uses it voluntarily before enabling the automatic cleaning function.

2.3 Strict Compatibility Requirements

- **Litter Type: Only use the brand' s proprietary water-washable cat litter** (the included standard quantity serves as a reference). **Strictly prohibit mixing or using conventional non-water-washable litters** (e.g., bentonite, tofu cat litter). Incompatible litters will clog the filtration system, render cleaning ineffective, or cause complete device failure.
- **Detergent Type: Only use the brand' s proprietary detergent.** Other brands may cause:
 - ① Incomplete cleaning/disinfection (residual dirt breeds bacteria);
 - ② Interference with the water level sensor' s sensitivity (leading to overflow, circuit short-circuiting, or other severe issues).

2.4 Prohibited Manual Intervention During Operation

Once the cleaning cycle is activated, the device operates fully automatically (including water injection, rinsing, drainage, and drying). **Never manually adjust components, unplug the device, or interrupt the process during operation**, as this may compromise cleaning efficacy or trigger mechanical malfunctions.

III. Installation & Initialization

Step 1: Unboxing & Assembly (Complete Before First Use)

1. **Placement:** Position the litter box on a flat, well-ventilated surface indoors. Maintain a $\geq 20\text{cm}$ distance from walls for optimal heat dissipation and maintenance access.
2. **Water Inlet Connection:** Attach one end of the included water inlet hose to the device' s inlet port (ensure a sealed connection), and the other end to a household cold-water angle valve. Verify no leaks at the connection.
3. **Drainage Connection:** Connect one end of the drainage hose to the device' s outlet port, and the other end to a home floor drain or wastewater bucket (ensure unobstructed drainage to prevent backflow).
4. **Adding Proprietary Litter:** Remove the included proprietary water-washable cat litter from the packaging and evenly spread it across the base of the litter box. (Supplement periodically during use; never exceed the "Max Sand Level" indicator

line inside the basin.)

5. **Installing Proprietary Detergent:** Twist off the detergent bottle cap, insert the entire bottle vertically into the detergent slot on the device' s side. A "click" confirms proper installation (ensure the bottle is fully seated to prevent leakage).
6. **Power Connection:** Plug the power cord into the device' s rear power port, then connect the other end to a household electrical outlet.

Step 2: Network Configuration (After Device Power-On)

1. **Download the APP:** Search for "**PETALAS**" in your mobile app store, download, and complete account registration/login.
2. **Connecting to Device Wi-Fi:** With the device powered on, go to your phone' s **Settings** → **Wi-Fi**, search for and select the temporary hotspot named "**CatLitter_AP**" (this is the device' s initial hotspot). After connecting, enter the **2.4GHz band name and password** of your home Wi-Fi when prompted (**Note:** The device only supports 2.4GHz Wi-Fi. If your router does not have 2.4GHz enabled, configure it in the router settings first).
3. **Binding Device to APP:** On the device screen, tap the "**Settings**" button to display the unique device ID and QR code. Open the "**PETALAS**" APP homepage, tap "**Add Device**", then choose "**Scan to Bind**" (scan the device QR code) or "**Manual Input Device ID**" to complete the device-account association.

IV. Usage Guide

4.1 Mode Selection

- **Default: "Automatic Cat Sensing Mode"** – Automatically triggers the cleaning cycle after the cat leaves the litter box.
- **Other Modes (e.g., "Scheduled Cleaning Mode")** – Customize cleaning frequency (e.g., daily fixed intervals) via the "**Device Settings**" in the APP.

4.2 Multi-Cat Household Adaptation

For households with 2+ cats, equip each cat with the brand' s **RFID electronic collar** (for individual identification). Complete each cat' s basic information (e.g., name, age, breed) in the APP' s "**My Cats**" section to accurately differentiate urine test data and health recommendations.

4.3 Daily Usage Workflow

1. **Cat uses the litter box → Leaves → Device auto-senses → Initiates the self-cleaning cycle** (water wash, disinfection, deodorization, drying).
2. **Real-Time APP Notifications:** Pushes updates on entry/exit times, litter usage duration, urine volume, and cleaning progress.
3. **Post-Cleaning:** The litter box automatically returns to a ready-to-use state (odor-free after drying, with dry, fluffy litter).

4.4 Urine Health Testing (Medical-Grade Feature)

The device features a built-in urine testing module that automatically analyzes key health indicators in feline urine (e.g., protein, glucose, pH). **Operation Steps:**

1. **Manual Test Strip Placement:** Tap the **"Microscope"** button on the device screen → Press **"Eject"** to deploy the test strip holder → Place the proprietary test strip flat on the holder → Press **"Withdraw"** to reset.
2. **APP-Initiated Testing:** In the APP, navigate to **"My Cats → Urine Test Records → Urine Test"**, select the target cat and corresponding device, and send the testing command.
3. **Result Viewing:** After the cat urinates, the device automatically collects and analyzes the urine sample. Upon completion, the APP pushes a detailed report (including 10 indicator values, AI health risk assessment, and tailored advice).
4. **Test Strip Disposal:** Remove used test strips promptly after testing (follow Step 1 in reverse), and clean residual urine from the holder with a cotton swab. ⚠

Caution: Urine may contain pathogenic microorganisms. Wear protective gloves during handling; wash immediately with soap and water if skin contact occurs. Dispose of used test strips and cotton swabs in the trash (never flush down the toilet).

V. Cleaning & Maintenance (Key to Prolonging Device Lifespan)

5.1 Occasional Maintenance (Daily Checks)

- **Detergent Level:** The APP will notify you when detergent is running low; replace with the proprietary detergent promptly.
- **Exception Handling:** If cat waste adheres to the basin edges (exceeding the

auto-clean water level), manual intervention is required:

- **Lower Litter Basin (direct contact with waste):** Can be rinsed directly with water.
- **Mechanical Layer & Main Unit: Prohibited from water washing.** Gently wipe with a non-woven cloth/paper towel dampened with water only (avoid water entering motors or circuit modules).

5.2 Regular Maintenance (Every 2 Months)

- **Litter Replenishment:** Check remaining litter and top up as needed, ensuring the sand surface never exceeds the **"Sand Level Indicator Line."**
- **Crushing Module Inspection:** Look for cat hair residue in the crushing module (which processes clumped litter). Remove the module, clean trapped hair, rinse with water, and reinstall.
- **Cleaning Motor Maintenance:** Inspect the motor for cat hair entanglement (may reduce efficiency). If found, detach the scoop module (responsible for stirring litter), remove hair with tweezers, and reassemble.

5.3 Long-Term Storage

- Clean the lower litter basin thoroughly and drain all residual water.
- Disconnect the power plug, remove the water inlet and drainage hoses (prevent pipe aging or freezing).
- Store the device indoors in a dry, shaded area, covered loosely with a dustproof cloth (avoid direct sunlight causing plastic degradation or rain exposure damaging circuits).

VI. Technical Specifications

Parameter	Details
Dimensions (L×W×H)	67cm × 52cm × 45cm
Net Weight	20kg

Parameter	Details
Power Consumption	Cleaning Mode: ≤50W; Drying Mode: 750W
Noise Level	Drying Mode: ≤50dB (equivalent to quiet conversation)

VII. Troubleshooting

If the device malfunctions during operation, the APP will push real-time error codes and recommended solutions. Follow the APP instructions first; if unresolved, contact your retailer or **Chengdu PETALAS Technology Co., Ltd.’ s official after-sales service** immediately (provide the purchase receipt and a description of the issue).

VIII. Quality Assurance & Liability Statement

8.1 Return/Exchange Policy

As this product is a **hygienic item (directly contacting cat waste)**, **no returns or exchanges are accepted after sale to prevent cross-contamination risks.**

8.2 Warranty Coverage

Chengdu PETALAS Technology Co., Ltd. and its authorized dealers guarantee **free repairs for 1 year** from the date of purchase for malfunctions caused by manufacturing defects or material issues (excluding damage from misuse, unauthorized modifications, or improper operation). A valid purchase receipt is required.

8.3 User Responsibilities

Users must thoroughly read this manual and strictly follow the operational guidelines. The company **will not assume warranty liability or associated risks**, and the **free warranty will be permanently forfeited** under the following circumstances:

- Using non-compatible litter, detergent, or accessories not approved by the manufacturer.
- Failing to perform regular maintenance, leading to clogging or circuit aging.
- Unauthorized disassembly, modification of the device structure, or replacement with non-original parts.

- Repairs/debugging by unauthorized personnel.
- Damage caused by external forces (e.g., impact, water immersion, high temperatures).

IX. Regulatory Compliance Information

Ⓜ FCC Warning (United States Only)

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

☐ CE Declaration (European Union Only)

This product (P7-plus Fully Automatic Intelligent Self-Cleaning Cat Litter Box, Model: P7-plus) is in compliance with the essential requirements of the following applicable EU Directives:

- 2014/30/EU – Electromagnetic Compatibility (EMC) Directive
- 2014/35/EU – Low Voltage Directive (LVD)
- 2011/65/EU – Restriction of Hazardous Substances (RoHS) Directive (if relevant components are used)

Compliance has been demonstrated in accordance with the following harmonized European standards (among others):

- EN 55032:2015 (for EMC – emission requirements)
- EN 60335-1:2012+A11:2014 (for LVD – safety of household and similar electrical appliances)

This declaration is based on internal testing and/or assessment against the referenced directives and standards.

The manufacturer is: Chengdu PETALAS Technology Co., Ltd.

Address: Tianfu New Area, Chengdu, Sichuan, China

The CE marking affixed to this product indicates compliance with applicable EU legislation.

For full details, refer to the EU Declaration of Conformity available at: www.ipetalas.com or contact our customer service.

✦ Note : This CE declaration applies only to users within the European Economic Area (EEA)
. For users outside the EEA, please refer to local regulatory requirements.

X. Contact Information

Manufacturer: Chengdu PETALAS Technology Co., Ltd.

Customer Service Hotline: 400-XXX-XXXX

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