

Xiaomi X20+

Xiaomi Robot Vacuum X20+ User Manual

MODEL: X20+

Brand: Xiaomi

1. INTRODUCTION

The Xiaomi Robot Vacuum X20+ is an advanced robotic cleaning device designed to provide efficient and automated floor cleaning. Equipped with cutting-edge LiDar Navigation and powerful 6000Pa suction, it offers comprehensive wet and dry cleaning capabilities, making it ideal for homes with pets and various hard floor types. Its intelligent features, including auto self-cleaning, self-emptying, air drying, obstacle avoidance, and auto-lifting mop pads, ensure a hands-free and convenient cleaning experience.



Figure 1: Xiaomi Robot Vacuum X20+ and its all-in-one base station.

2. KEY FEATURES

- **All-in-one Base Station:** Provides automatic dust collection, mop washing, and hot air drying for hands-free maintenance.
- **4L Large Capacity Water Tank:** Reduces the frequency of refilling, supporting extensive mopping coverage.
- **6000Pa Powerful Suction Fan:** Ensures thorough cleaning on hard floors, effectively picking up dust, debris, and pet hair.
- **Smart Mop Lift:** Automatically lifts mop pads when detecting carpets to prevent wetting.
- **Prevents Light Structured Obstacles Over Wide Area:** Advanced obstacle avoidance technology for seamless navigation.
- **LDS Laser Navigation:** Creates precise 360° whole-house scans for intelligently planned cleaning routes.
- **Remote Control with Mi Home/Xiaomi Home App:** Allows for easy control, scheduling, and customization of cleaning modes.
- **OTA Update:** Ensures the device stays up-to-date with the latest features and improvements.

3. SETUP GUIDE

3.1 Unboxing and Placement

Carefully remove all components from the packaging. Place the all-in-one base station on a hard, flat surface against a wall, ensuring there is adequate clear space around it for the robot to dock and maneuver. Connect the power cable to the base station and plug it into a power outlet.



Figure 2: The all-in-one base station with its clean and dirty water tanks.

3.2 Initial Charging and App Connection

Place the robot vacuum onto the base station. It will automatically begin charging. Download the Mi Home/Xiaomi Home app from your device's app store. Follow the in-app instructions to add your Xiaomi Robot Vacuum X20+ and connect it to your home Wi-Fi network. This will enable remote control and access to advanced features.

4. OPERATING INSTRUCTIONS

4.1 Cleaning Modes

The Xiaomi Robot Vacuum X20+ supports multiple cleaning modes:

- **Vacuum Only:** For dry debris collection.

- **Mop Only:** For wet mopping hard floors.
- **Vacuum & Mop:** Simultaneous vacuuming and mopping for comprehensive cleaning.

Select your desired mode via the Mi Home/Xiaomi Home app. The robot will automatically adjust its suction power and mop pad lifting based on the floor type and selected mode.

4.2 Navigation and Obstacle Avoidance

The robot utilizes LDS Laser Navigation to accurately map your home and plan efficient cleaning paths. Its advanced obstacle avoidance technology helps it navigate around furniture, pet bowls, and other common household items, minimizing collisions and ensuring thorough coverage.



Figure 3: The robot vacuum employing LDS laser navigation for intelligent mapping.

4.3 Smart Mop Lifting

The smart mop lift feature automatically raises the mop pads when the robot detects carpeted areas, preventing them from getting wet. This allows for seamless transitions between hard floors and carpets without manual intervention.



Figure 4: Automatic mop lift in action, protecting carpets from moisture.

4.4 App and Voice Control

Control your robot vacuum remotely using the Mi Home/Xiaomi Home app. You can start/stop cleaning, select specific rooms or zones, set no-go areas, adjust suction power and water levels, and schedule cleaning tasks. The device also supports voice control through compatible smart home assistants like Amazon Alexa and Google Assistant, allowing for convenient hands-free operation.

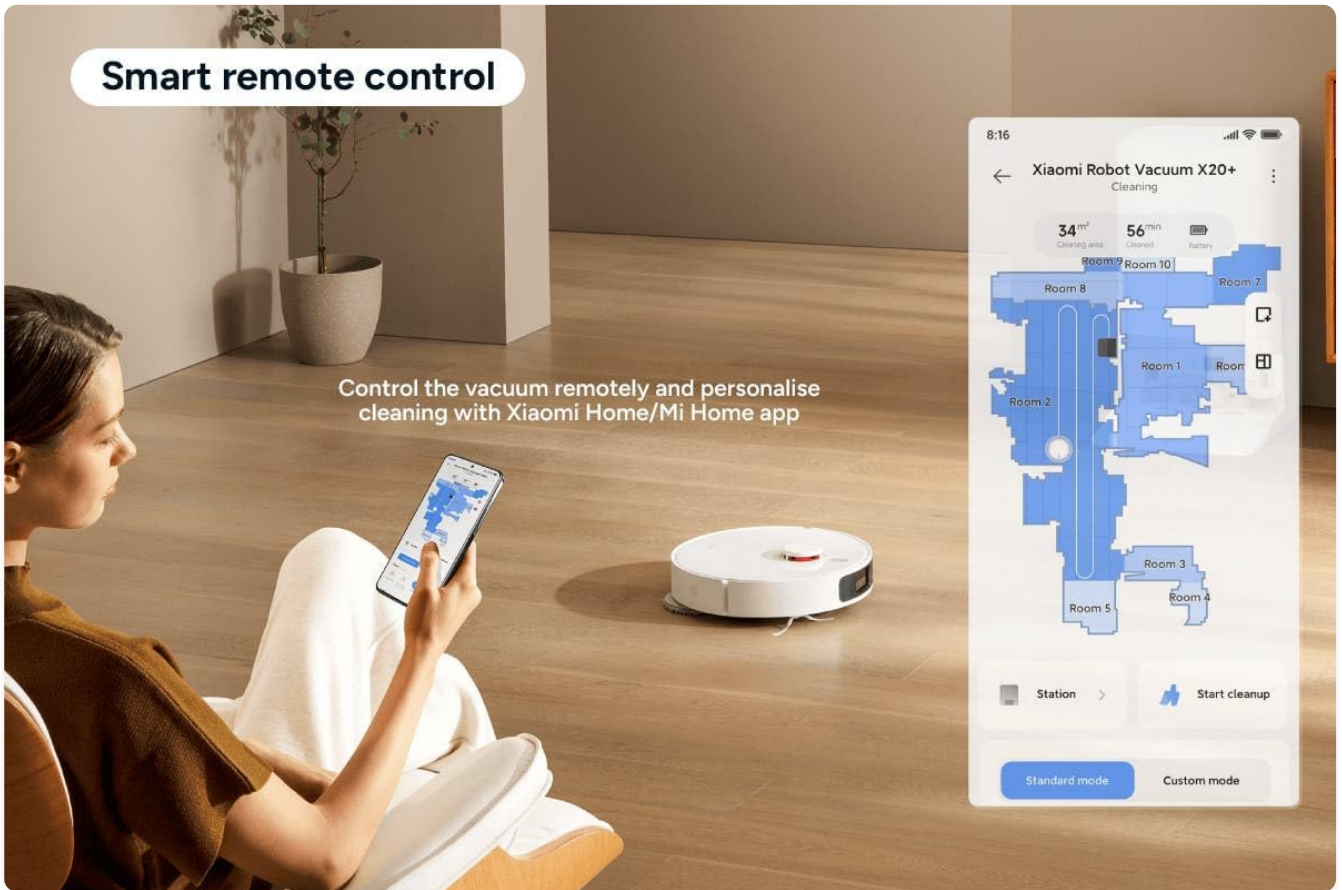


Figure 5: Remote control and personalized cleaning through the Mi Home/Xiaomi Home app.

5. MAINTENANCE

5.1 Base Station Maintenance

The all-in-one base station significantly reduces manual maintenance. It automatically empties the robot's dustbin into a sealed bag, washes the mop pads, and then hot-air dries them to prevent odors and mildew. Regularly check the dust bag and replace it when full. The 4L clean and dirty water tanks should be refilled and emptied as needed.

4L super-large-capacity water tank

The 4L super-large-capacity water tank eliminates the need for frequent refilling, giving you more convenience. A water tank filled with water can support mopping for up to 280m².



Figure 6: The 4L super-large-capacity water tank, minimizing refill frequency.

5.2 Robot Vacuum Components

Periodically inspect and clean the following robot components:

- **Main Brush:** Remove tangled hair and debris.
- **Side Brush:** Check for wear and tear, replace if necessary.
- **Filters:** Clean or replace filters according to the app's recommendations to maintain optimal suction.
- **Sensors:** Wipe all sensors with a dry cloth to ensure accurate navigation.

6. SPECIFICATIONS

Feature	Specification
Brand	Xiaomi
Model Number	X20+
Special Features	Auto docking, automatic height adjustment, automatic dust collection, intelligent mop lifting, auto mop washing
Suction Power	6000Pa
Navigation Type	LDS Laser Navigation
Water Tank Capacity	4 Liters

Feature	Specification
Battery Life	140 minutes
Control Method	App, Voice
Product Dimensions	16.81"L x 13.39"W x 23.07"H
Item Weight	8.07 pounds
Country of Origin	China

7. TROUBLESHOOTING

7.1 Common Issues and Solutions

- **Robot not docking:** Ensure the base station is placed in an open area with no obstacles. Clean the charging contacts on both the robot and the base station.
- **Poor suction:** Check if the dust bag is full and replace it. Clean the main brush and filters. Ensure no blockages in the suction path.
- **Ineffective mopping:** Ensure the clean water tank is filled and the dirty water tank is empty. Clean the mop pads and ensure they are properly attached.
- **Navigation errors:** Wipe all sensors clean. Ensure there are no new obstacles or changes in the environment that might confuse the robot. Re-map the area if persistent issues occur.
- **App connectivity issues:** Ensure your Wi-Fi network is stable and the robot is within range. Restart the robot and your router. Re-pair the device with the app if necessary.

For more detailed troubleshooting or persistent issues, refer to the comprehensive guide within the Mi Home/Xiaomi Home app or contact customer support.

8. WARRANTY AND SUPPORT

The Xiaomi Robot Vacuum X20+ comes with a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions, including warranty duration and coverage details. For technical support, service, or spare parts, please visit the official Xiaomi website or contact their authorized customer service channels. Keep your purchase receipt as proof of purchase for warranty claims.

