

iRobot G181020

iRobot Roomba Plus 405 (G181) Combo Robot Vacuum & Mop User Manual

Model: G181020

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1. INTRODUCTION

The iRobot Roomba Plus 405 (G181) Combo Robot Vacuum & Mop with AutoWash Dock is an advanced 2-in-1 cleaning solution designed for effortless floor maintenance. This robot combines powerful vacuuming with deep-scrub mopping, featuring an innovative AutoWash Dock that handles self-emptying, pad washing, and drying.



Figure 1.1: The iRobot Roomba Plus 405 Combo Robot Vacuum and Mop with its AutoWash Dock.

Key features include:

- **Strong Suction & Serious Mopping:** Delivers 70x more suction compared to Roomba 600 series robots, combined with DualClean Mop Pads and SmartScrub for effective cleaning.
- **DualClean Mop Pads:** Spinning pads with SmartScrub provide 2x deeper scrubbing, using water or compatible cleaning solution.
- **Smart Mapping & Navigation:** ClearView LiDAR quickly maps your home for precise cleaning, avoiding obstacles and stairs.
- **AutoWash Dock:** Offers up to 75 days of auto-emptying, 4 weeks of mopping and pad washing, continuous pad refreshing, and pad drying.
- **Easy-to-Use Roomba Home App:** Allows custom cleaning routines, time estimates, filter health checks, and room-specific cleaning.
- **Versatile Cleaning Modes:** Choose to vacuum, mop, combo clean, or vacuum first then mop. Features

automatic mop pad lift for carpets.

- **Customizable Cleaning:** Adjust suction levels, set repeat passes for high-traffic areas, and use Smart Scrub for tough messes.
- **Targeted Cleaning:** Define Clean Zones for specific areas and Keep Out Zones to avoid certain spaces.
- **Multiple Control Options:** Control via the Roomba Home app, voice assistants (Alexa, Siri, Google Assistant), or the robot's physical buttons.

2. SETUP GUIDE

2.1 Unpacking and Placement

Carefully remove all components from the packaging. Ensure you have the Roomba Plus 405 Combo robot, the AutoWash Dock, and any included accessories.



Figure 2.1: The Roomba robot and its AutoWash dock, ready for setup.

Place the AutoWash Dock on a hard, level surface against a wall, ensuring there is at least 1.5 feet (0.5 meters) of clear space on either side and 4 feet (1.2 meters) in front of the dock. This allows the robot to easily navigate to and from the dock.

2.2 Powering On and Charging

1. Connect the power cord to the AutoWash Dock and plug it into a wall outlet.
2. Place the Roomba robot onto the charging contacts of the AutoWash Dock. Ensure the robot is properly aligned and the charging indicator lights illuminate.
3. Allow the robot to fully charge before its first use. This may take several hours.

2.3 App Installation and Connection

For full functionality and smart features, download the iRobot Home App on your smartphone or tablet.

1. Search for "iRobot Home" in your device's app store (App Store for iOS, Google Play Store for Android).
2. Install the app and follow the on-screen instructions to create an account or log in.
3. The app will guide you through connecting your Roomba Plus 405 to your home Wi-Fi network and pairing it with your device.



Figure 2.2: The iRobot Home App, essential for scheduling and managing your robot.

3. OPERATING YOUR ROOMBA PLUS 405

3.1 Initial Mapping Run

Before its first cleaning, the robot will perform a mapping run to learn your home's layout. This helps optimize future cleaning paths.



Figure 3.1: ClearView LiDAR technology enables the robot to quickly map your home for efficient navigation.

Ensure all doors are open and clear any large obstacles during the mapping run. The robot does not clean during this process.

3.2 Starting a Cleaning Cycle

You can initiate a cleaning cycle in several ways:

- **Using the Roomba Home App:** Tap the "Clean" button in the app. You can also set custom cleaning routines, select specific rooms, or define "Clean Zones" and "Keep Out Zones."
- **Using Voice Assistant:** If connected to a compatible voice assistant (Alexa, Siri, Google Assistant), simply say commands like "Alexa, tell Roomba to clean."
- **Using Robot Buttons:** Press the CLEAN button on the robot itself to start a general cleaning cycle.

3
WAYS

Control your way



Figure 3.2: Control your Roomba using the app, voice commands, or directly via the robot's buttons.

3.3 Cleaning Modes

The Roomba Plus 405 offers flexible cleaning modes:

- **Vacuum Only:** For dry debris on all floor types.
- **Mop Only:** For wet cleaning hard floors.
- **Combo Clean:** Vacuums and mops simultaneously.
- **Vacuum First, Then Mop:** Completes a full vacuuming pass before starting the mopping cycle.

4

STAGES

Strong suction. Serious mopping.

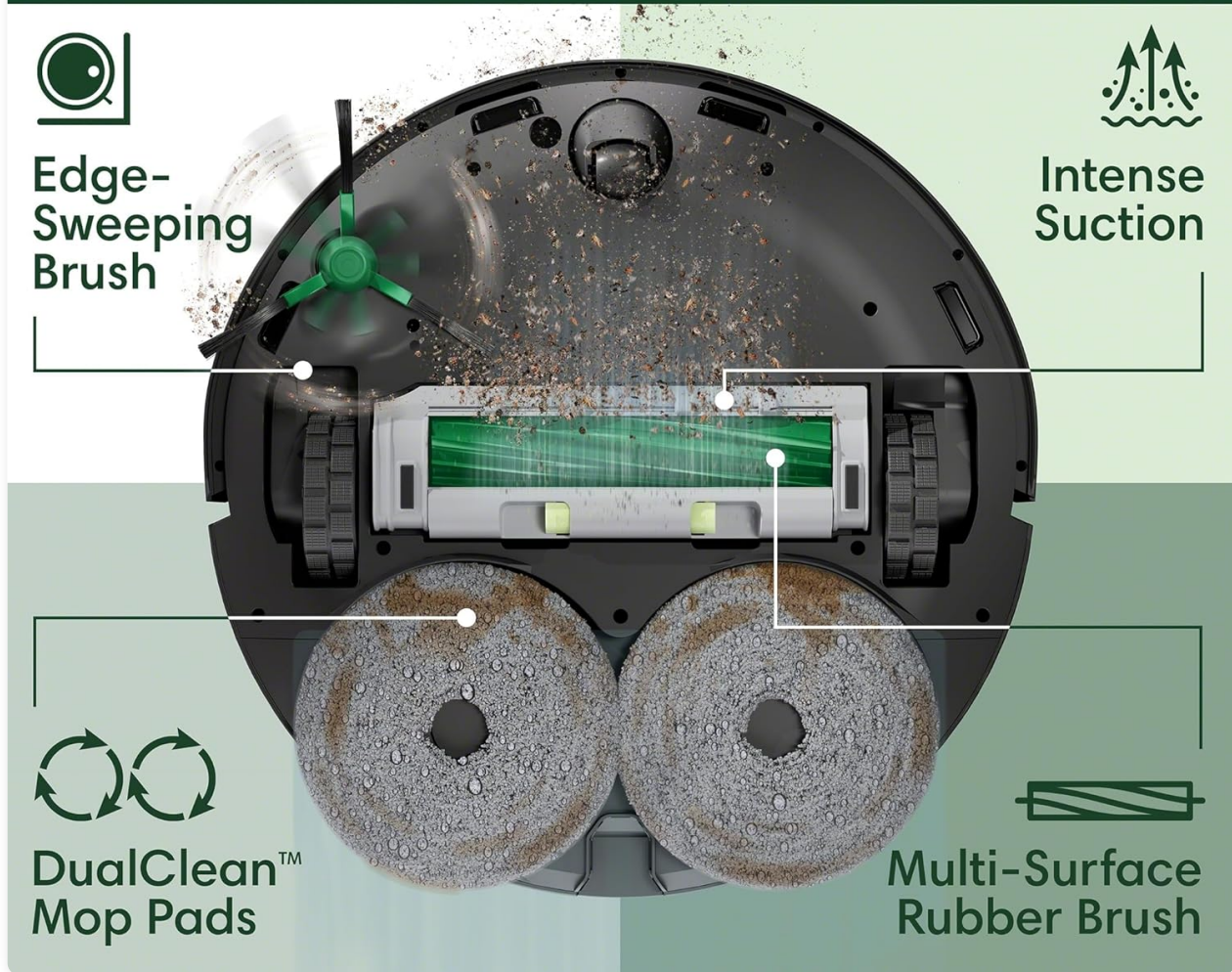


Figure 3.3: The four stages of cleaning, illustrating the robot's comprehensive approach to floor care.

The robot intelligently lifts its mop pads when detecting carpeted areas to prevent wetting.

Designed for how you clean.

The new, easy-to-use Roomba® Home App is chock full of intuitive features that make cleaning the way you want a cinch.

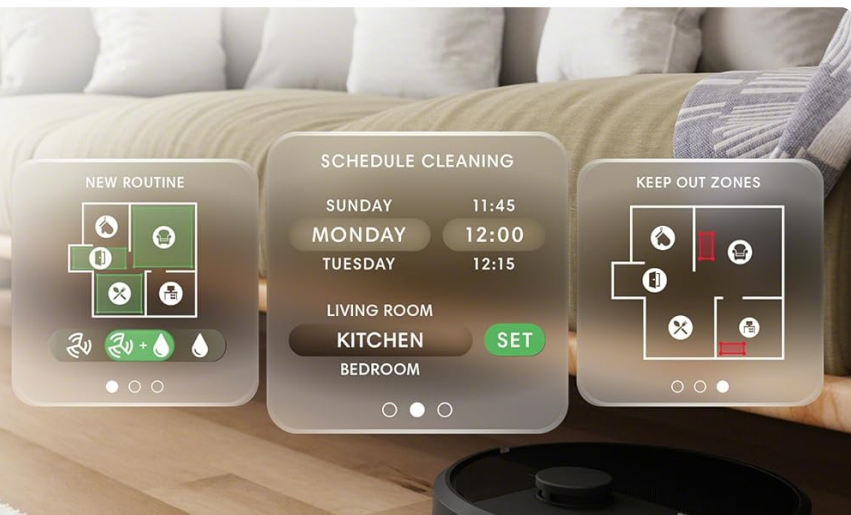


Figure 3.4: The robot's ability to adapt and lift mop pads ensures carpets remain dry during mopping cycles.

4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Roomba Plus 405.

4.1 AutoWash Dock Maintenance

The AutoWash Dock is designed for minimal manual intervention, handling dirt disposal and mop pad care automatically.



Figure 4.1: The AutoWash Dock's comprehensive features for automated maintenance.

- **Self-Emptying:** The dock automatically empties the robot's dust bin into a sealed bag, holding up to 75 days of debris. Replace the bag when full, as indicated by the app.
- **Pad Washing & Drying:** The dock continuously rinses mop pads during cleaning and washes and dries them after the cleaning cycle is complete.
- **Self-Cleaning Cycle:** The dock performs a self-cleaning cycle to prevent debris buildup. Periodically check the dock's water tanks and clean as needed.



Figure 4.2: The dynamic dock ensures hands-free cleaning by managing bin emptying, pad washing, and drying.



Figure 4.3: The dock ensures mop pads stay fresh through continuous washing and drying.

4.2 Robot Component Cleaning

Periodically inspect and clean the following robot components:

- **DualClean Mop Pads:** While the dock washes them, it's recommended to occasionally remove and hand-wash or machine-wash the pads for a deeper clean.
- **Multi-Surface Rubber Brushes:** Remove hair and debris tangled around the brushes.
- **Edge-Sweeping Brush:** Remove any tangled hair or debris.
- **Filter:** Check the filter regularly and tap out debris. Replace the filter as indicated by the app or every few months, depending on usage.
- **Sensors:** Wipe the robot's sensors with a clean, dry cloth to ensure optimal navigation.

The Roomba Home App provides maintenance alerts and tracks the "life" of consumable parts like brushes and filters, guiding you on when to clean or replace them.

5. TROUBLESHOOTING

If your Roomba Plus 405 encounters an issue, consult this section for common solutions.

Problem	Possible Cause	Solution
Robot not charging	Not properly docked; charging contacts are dirty.	Ensure robot is firmly on the dock. Clean charging contacts on both robot and dock with a dry cloth.
Robot gets stuck frequently	Obstacles (cords, rugs, furniture); dirty sensors.	Clear the area of loose items. Use "Keep Out Zones" in the app. Clean all sensors on the robot.
Poor cleaning performance	Full dust bin; dirty brushes/filter; mop pads need cleaning/replacement.	Empty dust bin. Clean or replace brushes and filter. Clean or replace mop pads.
App connection issues	Wi-Fi signal weak; incorrect Wi-Fi password; robot offline.	Ensure strong Wi-Fi signal. Re-enter Wi-Fi password in app. Restart robot and router. Perform a factory reset if necessary (refer to app for instructions).
Mop pads not getting wet or dirty	Water tank empty; dock nozzles clogged.	Refill the clean water tank in the dock. Check for and clear any clogs in the dock's water dispensing nozzles.

For more detailed troubleshooting or persistent issues, refer to the iRobot Home App's help section or visit the official iRobot support website.

6. SPECIFICATIONS

Feature	Detail
Brand	iRobot
Model Name	Roomba Plus 405
Model Number	G181020
Special Feature	Simultaneous Vacuuming & Mopping, Room-By-Room Navigation, Auto-Docking, Self-Emptying
Color	Black
Product Dimensions	15"L x 19.8"W x 18.5"H
Included Components	Docking Station
Filter Type	Cartridge
Battery Life	120 minutes

Feature	Detail
Power Source	Battery Powered
Control Method	App, Push Button, Voice
Form Factor	Round
UPC	885155045898
Item Weight	29.7 pounds
Batteries	1 12V batteries required. (included)

7. WARRANTY AND SUPPORT

iRobot provides dependable robots and excellent customer service. For warranty information, please refer to the documentation included with your product or visit the official iRobot website.

For assistance, contact iRobot Customer Care. Their specially trained agents are ready to help with any questions or issues you may encounter.

Important Note on Warranty: iRobot does not certify the quality or authenticity of products purchased from non-authorized resellers on Amazon, and will only cover warranty claims, provide service, or offer replacements for products purchased from authorized resellers.



Figure 7.1: iRobot's commitment to customer service and data privacy.

Protect your investment

iRobot does not certify the quality or authenticity of products purchased from non-authorized resellers on Amazon, and will only cover warranty claims, provide service or offer replacements for products purchased from authorized resellers.



Figure 7.2: Ensure purchase from authorized resellers to protect your investment and warranty.